



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

February 2016

PAGE 1 OF 11

Data Qualified?
Yes / No

STORET Station Name: Central Drainage Ditch downstream of Orange ave.

Date: 03/01/2016

(mm/dd/yyyy)

STORET Station ID: G1WA0026

Latitude: 30.41031

(Decimal Degrees)

WBID: 857

RQ - 2016-02-29-57

ORG ID: 21FLWQA

Longitude: -84.03643 -81.3073

(Decimal Degrees)

Receiving Body of Water: Munson Slough

Field ID: G1WA0026

County: Leon

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Curtis Musson			X	X		
Ben Ralys		X	X	X		
Robert Wiwi					X	X

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 / <u>Normal</u> / High / Flooded						Matrix: <u>Fresh</u> / Marine / DI					
Meter ID# <u>Biology 7</u>			Photos: <u>Yes</u> / No			Tide Falling: Yes / No / <u>NA</u>					
Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)	
<u>EST</u>	<u>12:30</u>	<u>0.1</u>	<u>0.2</u>	<u>10.52</u>	<u>107.3</u>	<u>7.84</u>	<u>0.11</u>	<u>103</u>	<u>228</u>	<u>16.31</u>	
CEN											

Biological Samples Collected:		None	<u>HA</u>	SCI	<u>LVS</u>	<u>RPS</u>	LVI	Other
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	<u>5259020</u>	<u>9-16-16</u>	☒ <2		
Metals	☐ W-ICPMS ☐ W-ICP		☐ Ice ☐ HNO2			☐ <2		
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter		☒ Ice					
Chlorophyll	☒ CHLSUTE-W		☒ Ice					
BOD	☒ BOD-UNIN		☒ Ice					
Physical/Aggregate (Kit A/C)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS		☒ Ice					
Physical/Aggregate (Kit B/D)	☐ Alkalinity / W-F / W-TSS / TURBIDITY		☐ Ice					
Macroinvertebrates	☐ MI-FW-QLDC		☐ Formalin					
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococcus ☐ QPCR		☐ Ice					
Periphyton	☒ ALGAE-ID		☒ Ice					
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R		☐ Ice					
	☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH		☐ Other					

Notes: <u>velocity 4.75 seconds/m</u> <u>SBID: 75775</u> <u>RPS: 7775</u>	Place Label Here (If Available)
Signature: <u>Curtis Musson</u>	Date: <u>3-2-2016</u>

Field Parameters Entered into LIMS: CM 3-2-16

(Initials/Date)

Field Parameters QC in LIMS:

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved:

CM 7-1-16

(Initials/Date)

DEP FORM FD 9000-32: LINEAR VEGETATION SURVEY FIELD SHEET

Waterbody: Central Drainage Ditch Date: 3/1/16 County: Leon Storet Number: GIWA0026

Analyst: Curtis Musson

Signature: Curtis Musson

Comments: SMP Sampling

Instructions: Note taxa growing in the water with a checkmark if present, "D" if dominant, and "C" if codominant (dominance only if 1 m² of taxa present). Note in the boxes below if no dominant are selected, and note total macrophyte abundance rank for each section. Only the most common taxa are listed, so use blank spaces for additional taxa names.

HERBACEOUS SPECIES	Meter Mark										Specimen collected (check)	HERBACEOUS SPECIES	Meter Mark										Specimen collected (check)
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100			0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	
Alternanthera philoxeroides	X	X	X	X	X	X	X	X	X	X		Myriophyllum heterophyllum											
Bacopa caroliniana												Najas guadelupensis											
Bacopa monnieri												Nuphar luteum											
Bidens mitis												Orontium aquaticum											
Boehmeria cylindrica												Panicum hemitomon											
Centella asiatica												Panicum repens											
Ceratophyllum demersum												Panicum rigidulum											
Chara												Pistia stratioides											
Cicuta maculata												Polygonum glabra											
Cladium jamaicense												Polygonum hydropiperoides											
Colocasia esculenta												Polygonum punctatum											
Commelina diffusa												Pontedaria cordata							X				
Commelina virginica												Potamogeton illinoensis											
Crinum americanum												Rhynchospora inundata											
Diodia virginiana												Rosa palustris											
Eichhornia crassipes												Ruellia simplex											
Eleocharis (wispy viviparous)												Rumex verticillatus											
Hydrilla verticillata												Sagittaria kurziana											
Hydrocotyle												Sagittaria lancifolia											
Hygrophila polysperma												Sagittaria latifolia											
Hymenocallis												Salvinia minima											
Lachnanthes caroliniana												Samolus parviflora											
Landoltia punctata												Saururus cernuus											
Lemna												Scirpus (schenoplectus) californicus											
Limnophila sessiflora												Sparganium americanum											
Ludwigia leptocarpa												Typha											
Ludwigia palustris												Vallisneria americana											
Ludwigia peruviana												Zizania aquatica											
Ludwigia repens																							
Luziola fluitans																							
Micranthemum glomeratum												Polygonum	X	X	X	X	X	X	X	X	X	X	
Micranthemum umbrosum												hydropiperoides											
Mikania scandens																							
Myriophyllum aquaticum																							
If no Dominant or Co-Dominant were selected, indicate with "X"																							
Indicate % cover macrophytes per section																							
0-5% Macrophyte Coverage	X	X	X	X	X	X	X	X	X	X													
>5 and ≤10% Macrophyte Coverage																							
>10 and ≤25% Macrophyte Coverage																							
>25 and ≤50% Macrophyte Coverage																							
> 50% Macrophyte Coverage																							

SBI0: 75775

Vascular: 9869

Macrophyte QC Report

STORET: G1WA0026

Visit ID: 75775

Macrophyte ID: 9869

LIMS ID:

Sample Date: 3/1/2016

Collector Name: Ralys, Benjamin

Identifier Name: Musson, Curtis

Macrophyte Sample Comments:

Taxa Name:	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100
<i>Alternanthera philoxeroides</i>	P	P	P	P	P	P	P	P	P	P
<i>Polygonum hydropiperoides</i>	P	P	P	P	P	P	P	P	P	P

This data has not been fully approved at this time.

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Central Drainage Ditch County: Leon Date: 3/1/16 Investigators: Curtis Mussen

Transect (m) Point 1=right 9=left Algal Thickness Rank (N-6, X) Estimated Canopy Cover

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Transect (m) Point 1=right 9=left Algal Thickness Rank (N-6, X) Estimated Canopy Cover

STORET Station Number: 61WACO26

Secchi depth voB
Estimated? No

points ranked 4-6
total points assessed
% points ranked 4-6

Check accompanying data collected at same site/date.
Algal mat sample ☒
Linear Veg Survey ☒
Habitat Assessment ☒
SCI/Biorecon
Water sample ☒
RQ-2016-02-29-57

Algal Thickness Rank
N rough, no algae, slimy, algae up to 1mm
3 >1mm - 6mm
4 >6mm - 20mm
5 >20mm - 10 cm
6 >10 cm

SBto: 75775
RPs: 7775

Record "N" and check "Estimated" for points deeper than the Secchi depth; algae are presumed absent. Check "Estimated" if thickness estimated for deep points which can be seen but not reached.
Record "X" for points shallower than Secchi depth for which substrate cannot be seen or reached with the hand. No estimated rank.
Record canopy cover as the number of small densiometer quadrants (out of 96) that HAVE canopy cover. Measure facing upstream at point 4, 5, or 6.
Collect algal mat sample following DEP SOP FS 7240 if the percentage of total sampled points with a thickness rank of 4, 5, or 6 is >20%.

DEP Form FD 9000-5 Stream/River Habitat Assessment Field Sheet

SAMPLING AGENCY: Florida Department of Environmental Protection		STORET STATION NUMBER: <u>GLVA0026</u>	DATE (MM/DD/YY): <u>3/1/16</u>	RECEIVING BODY OF WATER: <u>Mimsy Slough</u>
REMARKS: <u>Smp</u>	COUNTY: <u>Leon</u>	LOCATION: <u>Central Drainage Ditch</u>	FIELD ID/NAME: <u>GLVA0026</u>	

Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components Snag Leaf Aquatic Vegetation Roots Rock Substrate Diversity <u>3</u>	Four or more major productive habitats present (snags, tree roots, aquatic vegetation, leaf packs (partially decayed), rock) 20 19 18 17 16	Three major productive habitats present. Adequate habitat. Some substrates may be new fall (fresh leaves or snags) 15 14 13 12 11	Two major productive habitats present. Less than desirable habitat, frequently disturbed or removed 10 9 8 7 6	One or less major productive habitat. Lack of habitat is obvious, substrates unstable or smothered 5 4 <u>3</u> 2 1
Substrate Availability <u>4</u> <u>4.25</u> %	Greater than 30% major productive habitat present at site (100% 83% 66% 48% 30.5%) 20 19 18 17 16	16% to 30% major productive habitat, by aerial extent (30.4% 27% 23% 20% 16%) 15 14 13 12 11	6% to 15% major productive habitat (15% 13% 11% 9% 6%) 10 9 8 7 6	Less than 5% major productive habitat 5 <u>4</u> 3 2 1
Water Velocity <u>14</u> <u>0.24</u> m/s	Max. observed at typical transect: > 0.25 m/sec. But < 1 m/sec ≥0.33 0.31 0.29 0.27 >0.25 20 19 18 17 16	Max. observed at typical transect: >0.1 to 0.25 m/sec 0.25 0.21 0.17 0.13 >0.1 15 <u>14</u> 13 12 11	Max. observed at typical transect: 0.05 to 0.1 m/sec 0.1 0.09 0.07 0.06 0.05 10 9 8 7 6	Max. observed at typical transect: <0.05 m/sec; or spate occurring: > 1 m/sec <0.05 0.04 0.03 0.01 <0.01 5 4 3 2 1
Habitat Smothering <u>2</u> ----- Primary Score <u>23</u>	Adequate number of stable pools (1-2 per 12 times width) and <25% of habitats affected by sand, silt, or algae. 20 19 18 17 16	Adequate number of stable pools (1-2 per 12 times width) and >25% of habitats affected by sand, silt, or algae. 15 14 13 12 11	Does not have required number of stable pools (1-2 per 12 x width) and/or has shallow pools (<2 x prevailing depth). 10 9 8 7 6	Stable pools are absent. Most habitats affected by sand, silt, or algae accumulation. 5 4 <u>3</u> 2 1
Secondary Habitat Components Artificial Channelization <u>1</u>	Expected sinuosity given the stream width. No evidence of dredging or artificial straightening. No spoil banks. 20 19 18 17 16	Good sinuosity within old channelized area. Evidence of dredging in the past (>25 yrs) but mostly recovered. 15 14 13 12 11	Straightened with trapezoidal cross section, but has a small degree of sinuosity developed within channelized area. 10 9 8 7 6	Straightened or engineered by dredging, has trapezoidal or box cut cross section, lacks required pools. May have spoil banks. 5 4 3 <u>2</u> 1
Bank Stability Right Bank <u>5</u> Left Bank <u>2</u> If Banks are Pipe Clay, Bed Rock or Concrete at Bank full: Optimal	Bankfull > 60% of bank height. Slope of bank ≤ 60° from bankfull to top of bank. Bankfull is within or above the root zone with few raw, eroded areas. (+,+,+) 10 9	Only meets 2 of the 3 requirements for optimal bank stability. (+,+,+) 8 7 6	Only meets 1 of the 3 requirements for optimal bank stability. (+,+,+) 5 4	Bankfull < 60% of bank height. Slope of bank > 60°. Bankfull is below the root zone with raw, eroded areas. (-,-,-) 3 2 1
Riparian Buffer Zone Width Right Bank <u>2</u> Left Bank <u>1</u>	Width of vegetation greater than 18 m 10 9	Width of vegetation >12 to 18 m 8 7 6 (18m 15m 12m)	Width of vegetation 6 to 12 m. human activities close to system 5 4 (9m)	Less than 6 m of buffer zone due to intensive human activities 3 <u>2</u> <u>1</u> (6-5m) (4-3m) (<2m)
Riparian Zone Vegetation Quality Right Bank <u>2</u> Left Bank <u>3</u> ----- Secondary Score <u>16</u>	Over 80% of riparian surfaces consist of normal, expected plant community for given sunlight & habitat conditions (e.g., native plants; tree, shrub, and forbs represented, if appropriate). Minimal disturbance. 10 9	>50% to 80% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Some disruption in community observed. 8 7 6	25% to 50% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Disruption obvious. 5 4	Less than 25% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). 3 <u>2</u> 1

39

TOTAL SCORE

Date: <u>3-1-16</u>	Analyst: <u>Curtis Musson</u> <u>Ben Rains</u>	Signature: _____
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S B I O: 75775

DEP Form FD 9000-4 Stream/River Habitat Assessment Sketch Sheet

Left Bank

Upstream

Right Bank

100

100

↓ Smothering Notes

S L 8
R .25 M 1.5
P

S L 6
R M 1
P

S L 2.5
R M 3.5
P

S L 2.5
R M 2
P

S L 2.5
R M 1
P

S L .5
R 1 M 1
P

S L 5
R 1 M 1.5
P

S L 2
R 1 M 2
P

S L 1.5
R M 1.5
P

S L 1.5
R M 2
P

Location: Central Drainage Ditch

Date: 3/1/16

Sampler: Ben Ralys

100 m: Latitude _____
Longitude _____

0 m: Latitude _____
Longitude _____

Substrates: Code key, draw proportionate habitat abundance. %

☐ S Snags _____

☐ R Roots/undercut banks _____

☐ L Leaf Packs (or mats) _____

☐ M Aquatic Macrophytes _____

☐ R Rock _____

☐ _____

☐ P Pools total # observed = _____
range expected = _____

Average width 10 m

Average depth 0.2 m

Velocity measured at 0 meter mark.

Velocity 0.21 m/s

WQ & chemistry taken at 0 meter mark.

Habitat Smothering:
Note areas (on map) where sand or silt is smothering substrates, limiting habitability.

Bank Stability:
Note areas (on map) with unstable, eroding banks.

Riparian Buffer Width:
Note areas (on map) where natural vegetation is altered or eliminated.

Notes/Plants Observed:

2m² = 16 Sweeps

oil sheen (natural)

# of Sweeps	Conversion	m ²	%
Snag	÷ 8	<u>1</u> m ²	
Root	÷ 8	<u>325</u> m ²	
Leaf	÷ 8	<u>32</u> m ²	
Macrophyte	÷ 8	<u>17</u> m ²	
Rock	÷ 8	m ²	
Total Available Habitat		m ²	<u>4.25</u>
Total Area		m ²	
Total Unavailable Habitat		m ²	

Length of grid represents 100 m of stream (not linear meters). (Horizontal scale is double vertical scale, draw proportionately).

Expected Number of Pools

$$\left(\frac{100}{12 \times \text{W}} \right) \times 1 =$$

$$\left(\frac{100}{12 \times \text{W}} \right) \times 2 =$$

Meter Mark	Depth (m)	Width (m)	Velocity Measurement (Sec)
		<u>10m</u>	
Avg.			

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 **Biology 7**

RQ- **2016-02-29-57**

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 _____

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.	Ben Rabys	3/1/16	7:15	20.67	8.98	8.96	99.9	80.8	-	P	L
ICV	Ben Rabys	3/1/16	7:16	20.70	8.96	8.94	99.6	79.8	-	P	L
CCV	Robert Wini	3/1/16	4:09	21.93	8.76	8.75	99.9	71.7	-	P	L
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.	Ben Rabys	3/1/16	0720	CC14162	10/15/2016	996	996	P	L
ICV	Curtis Musson	3/1/2016	0721	CC14162	10/15/2016	996	996	P	L
CCV	Robert Wini	3/1/16	4:10	CC13882	7/15/16	101.1	102	P	L
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.	Curtis Musson	3/1/2016	0722	156244	10/2017	7.0	7.01	-23.1	P	L
Calibr.	Curtis Musson	3/1/2016	0724	154634	07/2017	4.0	4.00	149.6	P	L
Calibr.	Curtis Musson	3/1/2016	0726	146934	10/2016	10.0	10.00	197.6	P	L
ICV	Curtis Musson	3/1/2016	0728	154634	07/2017	4.0	3.97	151.9	P	L
CCV	Robert Wini	3/1/16	4:11	156244	10/17	7.0	7.05	-26.1	P	L
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

Florida Department of Environmental Protection Central Laboratory Submittal Form

 Sally Ward Spring, East Drainage Ditch, Black Creek,
 Eight Mile Pond, Godby Ditch and Central Drainage
 Ditch

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By:

Curtis Mussen

Project ID: SMP

Collected By:

Ben Ralys

Sampling Agency:

FDEP

Location Black Creek upstream of Bloxham Cutoff		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 0833/3-1-16 Time 0833		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s) (See pg 2)	
Field ID GIWA0023		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 9.25		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		A	
STORET # GIWA0023		Temp (C) 11.83		pH 3.72		Sample Depth 0.3		Sp. Conductance (umho/cm) 55			
Latitude 30.27792		☒ dd ☐ dms		Longitude -84.3858		☒ dd ☐ dms		Salinity (ppt) 0.02			
Location Sally Ward Spring at Wakulla Park DC		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 3-1-16 Time 0910		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
Field ID GIWA0021		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 3.51		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		A	
STORET # GIWA0021		Temp (C) 20.59		pH 7.45		Sample Depth 0.3		Sp. Conductance (umho/cm) 338			
Latitude 30.2414		☒ dd ☐ dms		Longitude -84.3109		☒ dd ☐ dms		Salinity (ppt) 0.16			
Location Eight Mile Pond Middle		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 3-1-16 Time 1000		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
Field ID GIWA0024		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 8.49		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		A	
STORET # GIWA0024		Temp (C) 15.15		pH 7.16		Sample Depth 0.2		Sp. Conductance (umho/cm) 86			
Latitude 30.32635		☒ dd ☐ dms		Longitude -84.30273		☒ dd ☐ dms		Salinity (ppt) 0.04			
Location East Drainage Ditch at Ridge Rd		☐ Comp ☐ Grab		Collection (comp begin or grab) Date 3/1/16 Time 10:55		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
Field ID GIWA0039		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 5.73		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		A, B	
STORET # GIWA0039		Temp (C) 14.04		pH 6.81		Sample Depth 0.3		Sp. Conductance (umho/cm) 117			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt) 0.05			

Relinquished By:	Date/Time	Shipping Method	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time
Curtis Mussen	3-1-16 3:47PM	DEP OFF					SK	3-1-16/3:49

Florida Department of Environmental Protection Central Laboratory Submittal Form

 Sally Ward Spring, East Drainage Ditch, Black Creek,
 Eight Mile Pond, Godby Ditch and Central Drainage
 Ditch

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By:

Curtis Mussen

Project ID: SMP

Collected By:

Ben Ralys

Sampling Agency:

FDEP

Location Central Drainage Ditch Downstream of Orange Ave		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 3-1-16 Time 12:30		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s) (See pg 2)	
Field ID GIWA0026		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 10.52		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		A, B	
STORET # GIWA0026		Temp (C) 16.31		pH 7.84		Sample Depth 0.1		Sp. Conductance (umho/cm) 228			
Latitude 30.41031		☒ dd ☐ dms		Longitude -84.03643		☒ dd ☐ dms		Salinity (ppt) 0.11			
Location Godby Drainage Ditch at VEGA AVE.		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 3-1-16 Time 1400		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
Field ID GIWA0025		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 9.95		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		A	
STORET # GIWA0025		Temp (C) 20.44		pH 7.77		Sample Depth 0.1		Sp. Conductance (umho/cm) 184			
Latitude 30.46341		☒ dd ☐ dms		Longitude -84.33479		☒ dd ☐ dms		Salinity (ppt) 0.09			
Location Lake Lafayette Drainage 250 Meters downstream of Weems Rd.		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 3-1-16 Time 15:25		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
Field ID GIWA0007		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 11.24		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		A	
STORET # GIWA0007		Temp (C) 18.77		pH 7.52		Sample Depth 0.1		Sp. Conductance (umho/cm) 110			
Latitude 30.4544		☒ dd ☐ dms		Longitude -84.2204		☒ dd ☐ dms		Salinity (ppt) 0.05			
Location		☐ Comp ☐ Grab		Collection (comp begin or grab) Date Time		☐ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
STORET #		Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)			

Relinquished By: Curtis Mussen	Date/Time 3-1-16 3:47 PM	Shipping Method DDEP	Received By:	Date/Time	Relinquished By:	Date/Time	Received By: S/K	Date/Time 3-1-16/3:49
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Cooler Packing Worksheet for Request: RQ-2016-02-29-57
Sally Ward Spring, East Drainage Ditch, Black Creek, Eight Mile Pond, Godby Ditch and

Ship Cooler On: 2/25/2016
Customer/Project: WQAP/SMP

Requester: Benjamin Ralys
Priority: 3

850-245-8443
2600 Blair Stone Rd
MS #3560
Tallahassee, FL 32399-2400
Attn: Benjamin Ralys

Comments:

No preservatives needed.

Requested Analyses:

Bottle Group: A

of Sites: 7

Container ID: P-1L

Qty: 7 Preservation: ICE

Lot # 00064196

Description: Plastic Bottle 1L

Analysis

ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-NO2
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)
Nitrite in aqueous matrices as mg N/L
Total Dissolved Solids in aqueous matrices
Total Suspended Solids in aqueous matrices

Container ID: P-1L

Qty: 7 Preservation: ICE

Lot # 00064196

Description: Plastic Bottle 1L

Analysis

BOD-UNIN

Description

BOD, NOT nitrogen-inhibited

Container ID: BP-1L

Qty: 7 Preservation: ICE

Lot # 1166627

Description: Brown Plastic Bottle 1L

Analysis

Description

Container ID: P-500ML

Qty: 7 Preservation: ICE And H2SO4

Lot # 00059957

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: 7 Preservation: ICE-FLTR

Lot # 00063404

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: ABDate: 2-22-16DEP Cooler ID #(s): 3

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle (1 per cooler)
- ☒ FedEx Bills, if applicable (1 per cooler)
- ☒ Plastic Bags
- ☐ Zip Ties

If Preservation Included:

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

PLEASE RETURN ALL COOLERS FOR RQ-2016-02-29-57