



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

February 2016

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Data Qualified?
Yes / No

STORET Station Name: Little River 100 meters upstream of SR 12

Date: 02/23/2016

(mm/dd/yyyy)

STORET Station ID: G1WA0020

Latitude: 30.5882

(Decimal Degrees)

WBID: 424

RQ - 2016-02-22-66

ORG ID: 21FLWQA

Longitude: -84.4957

(Decimal Degrees)

Receiving Body of Water: Lake Talquin

Field ID: G1WA0020

County: Gadsden

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Curtis Musson						X	X	X	X
Ben Ralys								X	X
Justin Walheiser					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 / Normal / High / Flooded

Matrix: Fresh / Marine / DI

Meter ID# Biology 7

Photos: Yes / No

Tide Falling: Yes / No / NA

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°)
EST	12:05	0.3	1.3	8.91	90.8	6.25	0.09	0.7	88	16.27
CEN										

Biological Samples Collected: None HA SCI LVS RPS LVI Other

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☒ TKN / TP / Nox / NH3 / TOC ☐ Other	☒ Ice ☒ H2SO4	SA5259020	9-16-16	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO2			☐ <2
Filtered Nutrients	☒ oP ☒ Field Filtered 0.45 µm Filter	☒ Ice			
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
BOD	☒ BOD-INHB ☐ BOD-UNIN	☒ Ice			
Physical/Aggregate	☒ TSS / Turbidity / Alkalinity / Color ☐ Other	☒ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Microbiology	☐ E Coli ☐ F Coli ☐ Entero ☐ QPCR	☐ Ice			
Periphyton	☐ ALGAE-ID	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other			

Notes:

Place Label Here
(If Available)

Signature:

Date:

Field Parameters Entered into LIMS:

Field Parameters QC in LIMS:

Date Migrated to STORET:

Field Sheets Scanned/Saved:

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Little River 100 m upstream of SR 12

County: Gadsden

Date: 02/23/2016

Investigators: Curtis Musson

Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover	Transect (m)	Point 1=right 9=left	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover	
0	1	N			60	1	N			
	2					2				
	3					3				
	4					4				
	5			96		5			96	
	6					6				
	7					7				
	8					8				
	9					9				
10	1				70	1				
	2					2				
	3					3				
	4					4				
	5			96		5			96	
	6					6				
	7					7				
	8					8				
	9					9				
20	1				80	1				
	2					2				
	3					3				
	4					4				
	5			96		5			96	
	6					6				
	7					7				
	8					8				
	9					9				
30	1				90	1				
	2					2				
	3					3				
	4					4				
	5			96		5			96	
	6					6				
	7					7				
	8					8				
	9					9				
40	1				100	1				
	2					2				
	3					3				
	4					4				
	5			96		5			96	
	6					6				
	7					7				
	8					8				
	9					9				
50	1					1				
	2					2				
	3					3				
	4					4				
	5			96		5				
	6					6				
	7					7				
	8					8				
	9					9				

STORET Station Number: G1WA
G1WAC020

Secchi depth 0.7
Estimated? No

points ranked 4-6 0
total points assessed 99
% points ranked 4-6 0

Check accompanying data collected at same site/date.
Algal mat sample No
Linear Veg Survey Yes
Habitat Assessment No
SCI/Biorecon No
Water sample Yes
RQ-2016-02-22-66

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

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 densimeter 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 9000-32: LINEAR VEGETATION SURVEY FIELD SHEET

Waterbody: Little river 100 m upstream of SRv12 Date: 2/23/2016 County: Gadsden Storet Number: G1WA0020

Analyst: Curtis Musson

Signature: Curtis Musson

Comments: SMP Sampling <2m²

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												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												Peltandra virginica											
Cicuta maculata												Pistia stratioides											
Cladium jamaicense												Polygonum glabra											
Colocasia esculenta												Polygonum hydropiperoides											
Commelina diffusa												Polygonum punctatum											
Commelina virginica												Pontedaria cordata											
Crinum americanum												Potamogeton illinoensis											
Diodia virginiana												Rhynchospora inundata											
Eichhornia crassipes												Rosa palustris											
Eleocharis (wispy viviparous)												Ruellia simplex											
Hydrilla verticillata												Rumex verticillatus											
Hydrocotyle												Sacciolepis striata											
Hygrophila polysperma												Sagittaria kurziana											
Hymenocallis												Sagittaria lancifolia											
Lachnanthes caroliniana												Sagittaria latifolia											
Landoltia punctata												Salvinia minima											
Lemna												Samolus parviflora											
Limnophila sessiflora												Saururus cernuus											
Ludwigia leptocarpa												Scirpus (schenoplectus) californicus											
Ludwigia palustris												Sparganium americanum											
Ludwigia peruviana												Typha											
Ludwigia repens												Vallisneria americana											
Luziola fluitans												Zizania aquatica											
Micranthemum glomeratum																							
Micranthemum umbrosum																							
Mikania scandens																							
Myriophyllum aquaticum																							
If no Dominant or Co-Dominant were selected, indicate with "X"																							
Indicate % cover macrophytes per section																							
0-5% Macrophyte Coverage																							
>5 and ≤10% Macrophyte Coverage																							
>10 and ≤25% Macrophyte Coverage																							
>25 and ≤50% Macrophyte Coverage																							
> 50% Macrophyte Coverage																							

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 Biology 7

RQ-2016-02-22-66

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.	Curtis Musson	02/22/2016	15:39	21.66	8.79	8.74	99.3	83.9	—	P	L
ICV	Curtis Musson	02/22/2016	15:40	21.69	8.79	8.74	99.4	83.9	—	P	L
CCV	Ben Rabus	2/23/16	7:22	20.91	8.93	8.93	99.9	78.8	—	P	L
CCV	Curtis Musson	2/23/16	3:40	22.2	8.70	8.8	101.1	75.7	—	P	L

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.	Curtis Musson	02/22/2016	15:43	CC14162	10/15/2016	996	996	P	L
ICV	Curtis Musson	02/22/2016	15:44	CC14162	10/15/2016	996	996	P	L
CCV	Ben Rabus	2/23/16	7:24	CC14162	10/15/2016	996	996	P	L
CCV	Curtis Musson	2/23/16	3:42	CC13882	7/15/2016	101.1	104	P	L

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	02/22/2016	15:46	156244	10/2017	7.0	7.0	-22.6	P	L
Calibr.	Curtis Musson	02/22/2016	15:48	154634	07/2017	4.0	4.0	152.8	P	L
Calibr.	Curtis Musson	02/22/2016	15:49	146934	10/2016	10.0	9.98	-144.2	P	L
ICV	Curtis Musson	02/22/2016	15:51	156244	10/2017	7.0	6.93	-17.4	P	L
CCV	Ben Rabus	2/23/2016	7:25	154634	07/2017	4.0	4.07	142.6	P	L
CCV	Curtis Musson	2/23/16	3:4	146934	10/2016	10.0	10.04	-192.0	P	L

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 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

Tanyard Branch
 Quincey Creek
 Little River
 Mays Run

Florida Department of Environmental Protection
Central Laboratory Submittal Form

anyard Branch, Megginis Arm Run, Quincy Creek and
 Little River

last revised Nov 10, 2015

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By: Curtis Mussen

Project ID: SMP

Collected By: Benjamin Ralys / Curtis MussenSampling Agency: FDEP

Location <u>Tankard Branch 100 meters upstream of Ralph</u>		☐ Comp ☒ Grab		Collection (comp begin or grab) Date <u>2/23/16</u> Time <u>0915</u>		☒ Eastern ☐ Central		Composite end Date _____ Time _____		Bottle Group(s) (See pg 2)	
Field ID <u>GIWA0005</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh Surface</u>		Diss. Oxygen <u>6.74</u>		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) <u>—</u>		<u>B/C</u>	
STORET # <u>GIWA0005</u>		Temp (C) <u>15.56</u>		pH <u>6.76</u>		Sample Depth <u>0.3</u>		☐ ft ☒ m			
Latitude <u>30.5832</u>		☒ dd ☐ dms		Longitude <u>-84.5519</u>		☒ dd ☐ dms		Salinity (ppt) <u>0.06</u>		Comments	
Location <u>Quincy Creek 100 Meters upstream of Ralph Strongs Rd</u>		☐ Comp ☒ Grab		Collection (comp begin or grab) Date <u>2/23/16</u> Time <u>0840</u>		☒ Eastern ☐ Central		Composite end Date _____ Time _____		Bottle Group(s)	
Field ID <u>GIWA0018</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>9.44</u>		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) <u>—</u>		<u>B/A</u>	
STORET # <u>GIWA0018</u>		Temp (C) <u>13.74</u>		pH <u>6.65</u>		Sample Depth <u>0.3</u>		☐ ft ☒ m			
Latitude <u>30.5837</u>		☒ dd ☐ dms		Longitude <u>-84.5503</u>		☒ dd ☐ dms		Salinity (ppt) <u>0.03</u>		Comments	
Location <u>QUINCY CREEK upstream of SR 12</u>		☐ Comp ☒ Grab		Collection (comp begin or grab) Date <u>2/26/2016</u> Time <u>11:30</u>		☐ Eastern ☐ Central		Composite end Date _____ Time _____		Bottle Group(s)	
Field ID <u>GIWA0019</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>9.81</u>		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) <u>—</u>		<u>B/A</u>	
STORET #		Temp (C) <u>14.59</u>		pH <u>6.96</u>		Sample Depth <u>0.3</u>		☐ ft ☒ m			
Latitude <u>30.5923</u>		☒ dd ☐ dms		Longitude <u>-84.5634</u>		☒ dd ☐ dms		Salinity (ppt) <u>0.03</u>		Comments	
Location <u>Little River 100 meters upstream of SR 12</u>		☐ Comp ☐ Grab		Collection (comp begin or grab) Date <u>2-23-2016</u> Time <u>12:05</u>		☐ Eastern ☐ Central		Composite end Date _____ Time _____		Bottle Group(s)	
Field ID <u>GIWA0020</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>8.91</u>		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) <u>—</u>		<u>B</u>	
STORET # <u>GIWA0020</u>		Temp (C) <u>16.27</u>		pH <u>6.75</u>		Sample Depth <u>0.3</u>		☐ ft ☒ m			
Latitude <u>30.5882</u>		☐ dd ☐ dms		Longitude <u>-84.4957</u>		☐ dd ☐ dms		Salinity (ppt) <u>0.04</u>		Comments	

Relinquished By: <u>Curtis Mussen</u>	Date/Time <u>2-23-16</u>	Shipping Method <u>DROP OFF</u>	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time
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15:19

**Florida Department of Environmental Protection
Central Laboratory Submittal Form**

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last revised Nov 10, 2015

Requester: Benjamin Ralys

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

Collected By:						Sampling Agency:								
Location Megginns Arm Run at Meridian Woods						☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/23/2016 Time 13:30			☒ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s) (See pg 2)	
Field ID G1WA0009 Driveway						Matrix (type, e.g., Salt, Fresh, etc.) Fresh			Diss. Oxygen 12.56	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	BID		
STORET # G1WA0009						Temp (C) 19.81	pH 8.06	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 121				
Latitude 30.481 ☒ dd ☐ dms Longitude -84.2792 ☒ dd ☐ dms						Salinity (ppt) 0.06		Comments						
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	☐ ft ☐ m	Sp. Conductance (umho/cm)				
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms						Salinity (ppt)		Comments						
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	☐ ft ☐ m	Sp. Conductance (umho/cm)				
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms						Salinity (ppt)		Comments						
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	☐ ft ☐ m	Sp. Conductance (umho/cm)				
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms						Salinity (ppt)		Comments						
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	☐ ft ☐ m	Sp. Conductance (umho/cm)				
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms						Salinity (ppt)		Comments						
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	☐ ft ☐ m	Sp. Conductance (umho/cm)				
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms						Salinity (ppt)		Comments						
Relinquished By:						Date/Time	Shipping Method		Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time

Printed: 2/19/2016 9:04:42 AM

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Date of Request: 10-FEB-2016
 Created By: RALYS_B On: 10-FEB-2016
 Modified By: SWANSON_C On: 10-FEB-2016
 Customer: WQAP
 Project: SMP
 Division:
 District:
 Sampling Event: Tanyard Branch, Megginis Arm Run, Quincy Creek and Little River

Send Coolers To:

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

Program Module Number:

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 10-FEB-2016
 Biology Request Reviewed By: SWANSON_C On: 10-FEB-2016
 Sampling Kit Required: YES Ship on: 18-FEB-2016
 Sampling Kit Shipped: YES On: 18-FEB-2016
 Sampling Kit Packed By: REYNOLDS_T
 Preservatives Needed: NO
 Date to Receive Samples: 23-FEB-2016
 Received By:

Send Final Report To:

2600 Blair Stone Rd
 MS #3560
 Tallahassee, FL 32399-2400
 Attn: Katrina Sanders

Report Type: Final Only
 FTP Data: NO
 QC Report: YES
 Date Log: NO
 Authorization Log: NO

Comments:

Bottle Group A (Water) With 2 Samples:

Bottle Type: P-1L	Number of Bottles: 2	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO ₃ /L
Total Alkalinity		
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
Turbidity		
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
Chloride		
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
Fluoride		
W-NO2	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite in aqueous matrices as mg N/L
Nitrite-N		
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
TDS		
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
TSS		

Bottle Type: P-1L	Number of Bottles: 2	Preserved With: ICE
BOD-UNIN	Template: DEFAULT	(SM 5210 B) BOD, NOT nitrogen-inhibited
Biochemical Oxygen Demand-5 Day		

Bottle Type: BP-1L	Number of Bottles: 2	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Chlorophyll/Phaeophytin Ratio		
Chlorophyll-a, Corrected		
Chlorophyll-a, Uncorrected		
Phaeophytin-a		

Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: HNO ₃
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Bottle Group A (Water) With 2 Samples:

Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: HNO3
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Calcium		
Chromium		
Iron		
Magnesium		
Nickel		
Potassium		
Sodium		
Zinc		
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Arsenic		
Cadmium		
Copper		
Lead		
Silver		

Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
Ammonia-N		
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
NO2NO3-N		
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
Total-P		
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
Kjeldahl Nitrogen		
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
Organic Carbon		

Bottle Type: P-125ML	Number of Bottles: 2	Preserved With: ICE-FLTR
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L
O-Phosphate-P		

Bottle Group B (Water) With 3 Samples:

Bottle Type: P-500ML	Number of Bottles: 3	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
Ammonia-N		
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
NO2NO3-N		
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
Total-P		
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
Kjeldahl Nitrogen		
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
Organic Carbon		

Bottle Type: P-125ML	Number of Bottles: 3	Preserved With: ICE-FLTR
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L
O-Phosphate-P		

Bottle Type: P-1L	Number of Bottles: 3	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
Total Alkalinity		
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
Turbidity		
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
Chloride		
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
Fluoride		
W-NO2	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite in aqueous matrices as mg N/L
Nitrite-N		

Bottle Group B (Water) With 3 Samples:

Bottle Type: P-1L Number of Bottles: 3 Preserved With: ICE
W-TDS Template: DEFAULT (SM 2540 C-97) Total Dissolved Solids in aqueous matrices
TDS
W-TSS Template: DEFAULT (SM 2540 D-97) Total Suspended Solids in aqueous matrices
TSS

Bottle Type: P-1L Number of Bottles: 3 Preserved With: ICE
BOD-UNIN Template: DEFAULT (SM 5210 B) BOD, NOT nitrogen-inhibited
Biochemical Oxygen Demand-5 Day

Bottle Type: BP-1L Number of Bottles: 3 Preserved With: ICE
CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Chlorophyll/Phaeophytin Ratio
Chlorophyll-a, Corrected
Chlorophyll-a, Uncorrected
Phaeophytin-a

Bottle Group C (Biological) With 2 Samples:

Bottle Type: PJ-2L Number of Bottles: 4 Preserved With: Formalin
MI-FW-QLDC Template: DEFAULT (SOP-IZ06) No. Taxa of FW macroinverts, qual samp, 20 dipnets.
*Macroinvert-FW-Qual-DipnetX20-#Taxa-Rep2
*Stream Condition Index (SCI)

Bottle Group D (Biological) With 2 Samples:

Bottle Type: PT-50ML Number of Bottles: 2 Preserved With: ICE
ALGAL_ID Template: DEFAULT (SOP-AB05) Qualitative assessment of algal taxa present without counts
*Dominant sample taxon

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.

Cooler Packing Worksheet for Request: RQ-2016-02-22-66
Tanyard Branch, Megginnis Arm Run, Quincy Creek and Little River

Ship Cooler On: 2/18/2016
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: 2

Container ID: P-1L

Qty: 2 Preservation: ICE

Lot # 00058886

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: 2 Preservation: ICE

Lot # 00058886

Description: Plastic Bottle 1L

Analysis

BOD-UNIN

Description

BOD, NOT nitrogen-inhibited

Container ID: BP-1L

Qty: 2 Preservation: ICE

Lot # 1166942

Description: Brown Plastic Bottle 1L

Analysis

Description

Container ID: P-500ML

Qty: 2 Preservation: HNO3

Lot # 00063547

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

Container ID: P-500ML

Qty: 2 Preservation: ICE And H2SO4

Lot # 00063547

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: 2 Preservation: ICE-FLTR

Lot # 00063891

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: 3

Container ID: P-1L

Qty: 3 Preservation: ICE

Lot # 000~~63547~~
63459

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
Description: Plastic Bottle 1L

Qty: 3 Preservation: ICE

Lot # 00063459

Analysis
BOD-UNIN

Description
BOD, NOT nitrogen-inhibited

Container ID: BP-1L
Description: Brown Plastic Bottle 1L

Qty: 3 Preservation: ICE

Lot # 1166942

Analysis
CHLSUITE-W

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

Container ID: P-500ML
Description: Plastic Bottle 500 mL

Qty: 3 Preservation: ICE And H2SO4
Affix YELLOW sulfuric acid dot to container.

Lot # 00063547

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
Description: Plastic Bottle 125 mL

Qty: 3 Preservation: ICE-FLTR

Lot # 00063891

Analysis
W-PO4-F

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

Bottle Group: C

of Sites: 2

Container ID: PJ-2L
Description: Plastic Jar 2 L

Qty: 4 Preservation: Formalin

Lot # 310WAS4

Analysis
MI-FW-QLDC

Description
No. Taxa of FW macroinverts, qual samp, 20 dipnets.

Bottle Group: D

of Sites: 2

Container ID: PT-50ML

Qty: 2 Preservation: ICE

Lot # 03715003

Description: Plastic Tube 50 mL

Analysis

ALGAL_ID

Description

Qualitative assessment of algal taxa present without counts

Cooler Packed By: Tyler Reynolds

Date: 02/18/16

DEP Cooler ID #(s): 2 Red 1 Blue

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-2016-02-22-66