FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

June 2016

Data Qualified? Yes / (No)

STORET Station Name: Merritt's Mill Pond 600 meters downstream of Jackson Blue Spring **Date:** 9/12/2016 (mm/dd/yyyy)

STORET Station ID: G2WA0007 **WBID:** 180A **Latitude:** 30.787 (Decimal Degrees)

County: Jackson **RQ -** 2016-09-12-31 **ORG ID:** 21FLWQA **Longitude:** -85.1459 (Decimal Degrees)

Receiving Body of Water: Chipola River **Field ID:** G2WA0007_09122016

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Duplicate Collection	Blank Collection
Chris Green		X		X	X	X	NA
Ben Ralys	X		X				NA

Sampling Equipment

- [X] Sample Container
- [ ] Van Dorn
- [ ] Pole
- [ ] Carboy
- [X] Syringe
- [ ] Dipper
- [ ] Other
- Equipment ID

Collection Method

- [ ] Wading
- [ ] From Shore
- [ ] Other (note below)

Via Boat
- [ ] Canoe/Kayak
- [ ] Electric Motor
- [X] Gasoline Motor

Water Level: Dry / Low / (Normal) / High / Flooded

Matrix: (Fresh) / Marine / DI

Meter ID# Biology #2 **Photos:** Yes / (No)

Tide Falling: Yes / No / (NA)

Field Sample

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)	11:00	0.3	1.55	8.34	93.3	7.66	0.13	VOB	269	20.77
CEN	11:05	1.05		8.34	93.2	7.65	0.13		269	20.76

Biological Samples Collected: None HA SCI LVS (RPS) LVI Other

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	[X] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[X] Ice [X] H_2SO_4	6209120	7/27/17	[X] <2
Metals	[X] W-ICPMS [X] W-ICP	[X] Ice [X] HNO_3	5259030	9/16/16	[X] <2
Filtered Nutrients	[X] W-PO4-F [X] Field Filtered 0.45 µm Filter	[X] Ice			
Chlorophyll	[X] CHLSUITE-W	[X] Ice			
Physical/Aggregate (Fresh)	[X] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[X] Ice			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-F / W-TSS / TURBIDITY	[ ] 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			

Contains 1:1 Nitric Acid NA – 5259030 EXP: 09/16/16 Warning! See MSDS

Contains 1:1 Sulfuric Acid SA – 6209120 EXP: 07/27/17 Warning! See SDS

QA/QC Sample Information

Duplicate

Time Zone: (EST) CEN **Time:** 11:00 **Sample Depth (m):** 0.3 **Total Depth (m):** 1.55 **Field ID:** G2WA0007_09122016

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 ☑ H_2SO_4	6209120	7/27/17	☑ < 2
Metals	☑ W-ICPMS ☑ W-ICP	☑ Ice ☑ HNO_3	5259030	9/16/16	☑ < 2
Filtered Nutrients	☑ W-PO4-F ☑ Field Filtered 0.45 µm Filter	☑ Ice	Contains 1:1 Nitric Acid NA – 5259030 EXP: 09/16/16 Warning! See MSDS	Contains 1:1 Sulfuric Acid SA – 6209120 EXP: 07/27/17 Warning! See SDS	
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			
Microbiology	☐ E Coli ☐ F Coli ☐ Entero ☐ QPCR	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other			

Blank

Time Zone: (EST) CEN **Time:** 10:30 **Field ID:** G2WA0008_09122016 **Location:** Merritt's Mill pond mid under power lines

☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank **Equipment ID**

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 ☑ H_2SO_4	6209120	6/16/17	☑ < 2
Metals	☑ W-ICPMS ☑ W-ICP	☑ Ice ☑ HNO_3	5259030	9/16/16	☑ < 2
Filtered Nutrients	☑ W-PO4-F ☑ Field Filtered 0.45 µm Filter	☑ Ice	Place Preservative Sticker(s) Here (If Available)		
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			
Microbiology	☐ E Coli ☐ F Coli ☐ Entero ☐ QPCR	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other			

Notes:

SBIa ID 76787

G2WA0007 Sept 2016

Merritt's Mill Pond 600 meters downstream of Jackson

Signature: [signature] **Date:** 9/12/16

Field Parameters Entered into LIMS: CM 9-15-2016 (Initials/Date) **Field Parameters QC in LIMS:** (Initials/Date)

Date Migrated to STORET: (Initials/Date) **Field Sheets Scanned/Saved:** (Initials/Date)

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: Merritt's Mill Pond 600 meters downstream of spring

County: Jackson

Date: 9/12/2016

Investigators: Chris Green, Ben Ralys

STORET Station Number: G-2WA0007

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

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

Secchi depth	1.0 m
Estimated?	yes

# points ranked 4-6	~~30~~ 23
total points assessed	99
% points ranked 4-6	~~30~~ 23%

Check accompanying data collected at same site/date.	
Algal mat sample	X
Linear Veg Survey	
Habitat Assessment	
SCI/Biorecon	
Water sample	X

RQ- 2016-09-12-31

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

SBIO ID 7670

RPS ID 8337

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%.

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: Biology #2 RQ-: 2016-09-12-31 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 06/03/2016

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 Ralys	9/12/16	7:27	21.09	8.915	8.90	100.0	48.2	—	P	L
ICV	Ben Ralys	9/12/16	7:30	21.1	8.89	8.90	100.0	48.2	-	P	L
CCV	Ben Ralys	9/12/16	2:48	27.53	7.89	[illegible]	100.5	49.2	-	P	L
CCV						7.94					

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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	9/12/16	7:31	160330D	4/2017	1,000	1,000	P	L
ICV	Ben Ralys	9/12/16	7:32	160330D	4/2017	1,000	1,000	P	L
CCV	Ben Ralys	9/12/16	2:50	2601533	12/2017	100	98	P	L
CCV									

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria ± 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.	Ben Ralys	9/12/16	7:34	160330B	10/2017	7.0	6.99	-19.8	P	L
Calibr.	Ben Ralys	9/12/16	7:36	160330A	4/2017	4.0	3.99	158.7	P	L
Calibr.	Ben Ralys	9/12/16	7:38	160330C	10/2017	10.0	9.96	-188.0	P	L
ICV	Ben Ralys	9/12/16	7:39	160330C	10/2017	10.0	9.96	-187.8	P	L
CCV	Ben Ralys	9/12/16	2:52	160330B	10/2017	7.0	7.04	-19.1	P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ±0.2 SU; mV pH7 Range 0±50; mV pH 4 Range +180±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 ±5 % or ±0.05m, whichever is greater

Request Number: RQ-2016-09-12-31

Merritt's Milll Pond

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WQAP

Project ID: BMAP

Requester: Benjamin Ralys

Collected By: Ben Ralys, Chris Green

Field Report Prepared By: Ben Ralys

Sampling Agency: FDEP

Location: Merritt's Mill Pond 500 meters upstream of dam	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/12/16 Time 10:00	Eastern / Central	Composite end Date — Time —	Bottle Group(s) (See pg 2): A
Field ID: G2WA0009_09122016	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen: 12.57	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L): —	
STORET #: G2WA0009	Temp (C): 26.84	pH: 8.12	Sample Depth: 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm): 252	
Latitude: 30.755 ☒ dd ☐ dms	Longitude: -85.1881 ☒ dd ☐ dms	Salinity (ppt): 0.12	Comments		
Location: Merritt's Millpond mid under powerlines	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/12/16 Time 10:30	Eastern / Central	Composite end Date — Time —	Bottle Group(s): A, C
Field ID: G2WA0008_09122016	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen: 10.63	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
STORET #: G2WA0008	Temp (C): 24.98	pH: 7.87	Sample Depth: 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm): 264	
Latitude: 30.7698 ☒ dd ☐ dms	Longitude: -85.1731 ☒ dd ☐ dms	Salinity (ppt): 0.12	Comments		
Location: Field Blank	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/12/16 Time 10:30	Eastern / Central	Composite end Date — Time —	Bottle Group(s): C
Field ID	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
STORET #	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude: 30.7698 ☒ dd ☐ dms	Longitude: -85.1731 ☒ dd ☐ dms	Salinity (ppt)	Comments: Field blank taken at station G2WA0008		
Location: Merritt's millpond 600 meters downstream of Jackson blue spring	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/12/16 Time 11:00	Eastern / Central	Composite end Date — Time —	Bottle Group(s): A, D, B
Field ID: G2WA0007_09122016	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen: 8.34	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
STORET #: G2WA0007	Temp (C): 20.77	pH: 7.66	Sample Depth: 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm): 269	
Latitude: 30.787 ☒ dd ☐ dms	Longitude: -85.1459 ☒ dd ☐ dms	Salinity (ppt): 0.13	Comments: collected a duplicate at this station		

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Ben Ralys	9/12/2016 2:30pm	hand delivered		SK	9-12-16/2:30

Request Number: RQ-2016-09-12-31
Merritt's Milll Pond

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WQAP
Project ID: BMAP

Requester: Benjamin Ralys
Collected By: Ben Ralys, Chris Green
Field Report Prepared By: Ben Ralys
Sampling Agency: FDEP

Field	Value
Location	Merritt's Mill Pond 600 meters downstream of Jackson blue spring
Field ID	G2WA0007_09122016
STORET #	G2WA0007
Latitude	30.787 ☒ dd ☐ dms
Longitude	-85.1459 ☒ dd ☐ dms
Comp / Grab	☐ Comp ☒ Grab
Collection (comp begin or grab) Date	9/12/16
Time	11:00 (Eastern)
Composite end Date / Time	—
Matrix (type, e.g., Salt, Fresh, etc)	Fresh
Diss. Oxygen	8.34 ☒ mg/L ☐ % sat
Total Res. Chlorine (mg/L)	—
Temp (C)	20.77
pH	7.66
Sample Depth	0.3 ☐ ft ☒ m
Sp. Conductance (umho/cm)	269
Salinity (ppt)	0.13
Comments	Duplicate
Bottle Group(s) (See pg 2)	A, D, B

Location	Field ID	STORET #	Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	☐ Comp ☐ Grab	Collection (comp begin or grab) Date / Time (Eastern / Central)	Composite end Date / Time	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	Salinity (ppt)	Comments	Bottle Group(s)

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Ben Ralys	9/12/2016 2:30pm	hand delivered		SK	9-12-16 / 2:30

Group: C	Bottle Type: P-500ML	# of Bottles: 1	Preservative:	HNO3	**Enter Number of Bottles Sent to Lab**	1
	W-ICP W-ICPMS					
Group: C	Bottle Type: P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab**	1
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: C	Bottle Type: P-125ML	# of Bottles: 1	Preservative:	ICE-FLTR	**Enter Number of Bottles Sent to Lab**	1
	W-PO4-F					
Group: D	Bottle Type: P-1L	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	1
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-TDS W-TSS					
Group: D	Bottle Type: BP-1L	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	1
	CHLSUITE-W					
Group: D	Bottle Type: P-500ML	# of Bottles: 1	Preservative:	HNO3	**Enter Number of Bottles Sent to Lab**	1
	W-ICP W-ICPMS					
Group: D	Bottle Type: P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab**	1
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: D	Bottle Type: P-125ML	# of Bottles: 1	Preservative:	ICE-FLTR	**Enter Number of Bottles Sent to Lab**	1
	W-PO4-F					

Group: C	Bottle Type: P-500ML	# of Bottles: 1	Preservative: HNO3	**Enter Number of Bottles Sent to Lab**	1	
	W-ICP W-ICPMS					
Group: C	Bottle Type: P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	**Enter Number of Bottles Sent to Lab**	1	
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: C	Bottle Type: P-125ML	# of Bottles: 1	Preservative: ICE-FLTR	**Enter Number of Bottles Sent to Lab**	1	
	W-PO4-F					
Group: D	Bottle Type: P-1L	# of Bottles: 1	Preservative: ICE	**Enter Number of Bottles Sent to Lab**	1	
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-TDS W-TSS					
Group: D	Bottle Type: BP-1L	# of Bottles: 1	Preservative: ICE	**Enter Number of Bottles Sent to Lab**	1	
	CHLSUITE-W					
Group: D	Bottle Type: P-500ML	# of Bottles: 1	Preservative: HNO3	**Enter Number of Bottles Sent to Lab**	1	
	W-ICP W-ICPMS					
Group: D	Bottle Type: P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	**Enter Number of Bottles Sent to Lab**	1	
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: D	Bottle Type: P-125ML	# of Bottles: 1	Preservative: ICE-FLTR	**Enter Number of Bottles Sent to Lab**	1	
	W-PO4-F					

Cooler Packing Worksheet for Request: RQ-2016-09-12-31
Merritt's Milll Pond
Ship Cooler On: 8/29/2016 Requester: Benjamin Ralys
Customer/Project: WQAP/BMAP Priority: 3

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

Attn: Benjamin Ralys

Comments:
No preservatives needed.

Bottle Group A: Freshwater chemistry including metals
Bottle Group B: Algal ID
Bottle Group C: Field Blank (please include enough Bottle Group D: Duplicate of bottle group A

4 - liters of DI water

Requested Analyses:

Bottle Group: A # of Sites: 3

Container ID: P-1L **Qty: 3** **Preservation: ICE** **Lot #** 0006518?

Description: Plastic Bottle 1L

Analysis	Description
ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices

Container ID: BP-1L **Qty: 3** **Preservation: ICE** **Lot #** 1172350

Description: Brown Plastic Bottle 1L

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

Container ID: P-500ML **Qty: 3** **Preservation: HNO3** **Lot #** 00065372

Description: Plastic Bottle 500 mL Affix RED nitric acid dot to container.

Analysis	Description
W-ICP	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
W-ICPMS	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

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Container ID: P-500ML **Qty: 3** **Preservation: ICE And H2SO4** **Lot #** 00065372

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML **Qty: 3** **Preservation: ICE-FLTR** **Lot #** 00065393

Description: Plastic Bottle 125 mL

Analysis	Description
W-PO4-F	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: B # of Sites: 1

Container ID: PT-50ML **Qty: 1** **Preservation: ICE** **Lot #** 430897

Description: Plastic Tube 50 mL

Analysis	Description
ALGAL_ID	Qualitative assessment of algal taxa present without counts

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Bottle Group: C # of Sites: 1

Container ID: P-1L **Qty: 1** **Preservation: ICE** **Lot #** 00065181

Description: Plastic Bottle 1L

Analysis	Description

ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices

Container ID: BP-1L **Qty: 1** **Preservation: ICE** **Lot #** 1172380

Description: Brown Plastic Bottle 1L

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

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Container ID: P-500ML **Qty: 1** **Preservation: HNO3** **Lot #** 00065372

Description: Plastic Bottle 500 mL Affix RED nitric acid dot to container.

Analysis	Description
W-ICP	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
W-ICPMS	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

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Container ID: P-500ML **Qty: 1** **Preservation: ICE And H2SO4** **Lot #** 00065372

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML **Qty: 1** **Preservation: ICE-FLTR** **Lot #** 00065393

Description: Plastic Bottle 125 mL

Analysis	Description
W-PO4-F	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: D # of Sites: 1

Container ID: P-1L **Qty: 1** **Preservation: ICE** **Lot #** 00065181

Description: Plastic Bottle 1L

Analysis	Description
ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices

Container ID: BP-1L **Qty: 1** **Preservation: ICE** **Lot #** 1172350

Description: Brown Plastic Bottle 1L

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

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Container ID: P-500ML **Qty: 1** **Preservation: HNO3** **Lot #** 00065372

Description: Plastic Bottle 500 mL Affix RED nitric acid dot to container.

Analysis	Description
W-ICP	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
W-ICPMS	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

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Container ID: P-500ML **Qty: 1** **Preservation: ICE And H2SO4** **Lot #** 00065372

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML **Qty: 1** **Preservation: ICE-FLTR** **Lot #** 0000165393

Description: Plastic Bottle 125 mL

Analysis	**Description**
W-PO4-F	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Cooler Packed By: MB Date: 9/9/16

DEP Cooler ID #(s): 2 coolers

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-2016-09-12-31