



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

PAGE 1 OF 13

Data Qualified?
Yes / No

STORET Station Name: Merritt's Mill Pond 500 meters upstream of dam

Date: 03/15/2017

(mm/dd/yyyy)

STORET Station ID: G2WA0009

WBID: 180A

Latitude: 30.755

(Decimal Degrees)

County: Jackson RQ - 2017-03-13-18

ORG ID: 21FLWQA

Longitude: -85.1881

(Decimal Degrees)

Receiving Body of Water: Chipola River

Field ID: G2WA0009-03152017

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Duplicate Collection	Blank Collection
Ben Ralys		X		X				
Curtis Musson			X	Y	X	X	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 / Pooled / 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	10:35	0.3	1.6	10.50	105.3	8.35	0.13	VOB	269	15.52
CEN	10:40	1.1		10.53	105.3	8.32	0.13		269	15.44

Biological Samples Collected:	None	HA	SCI	RPS	Algae ID	LVS	LVI	Other
SBIO ID Numbers:	SBIO-ID: 77394	RPS-ID: 8595	Macrophyte-ID:	LIMS#: 1880390				

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-6302030	10/28/17	☐ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO2	NA-6218060	08/05/17	☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm 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 ☐ Enterococcus ☐ PCR-FILTER	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-SUC-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other			

Contains 1:1 Nitric Acid NA-6218060 EXP: 08/05/17 Warning! See SDS

Contains 1:1 Sulfuric Acid SA-6302030 EXP: 10/28/17 Warning! See SDS

QA/QC Sample Information

Duplicate

Time Zone: <u>EST</u> <u>CEN</u> Time: <u>10:45</u>		Sample Depth (m): <u>45</u> Total Depth (m): <u>1.1</u>		Field ID: <u>G2WA0009-03152017D</u>	
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 ₂ SO ₄	SA-6302030	10/28/17	☐ < 2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO ₃	NA-6218060	08/05/17	☐ < 2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm 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			
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococcus ☐ PCR-FILTER	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides					

Blank

QC - Duplicate
Merritt's Mill Pond
500 meters
upstream of dam

STORET ↓

G1WA0009

Field ID →
QC - Duplicate
Merritt's Mill Pond
500 meters
upstream of dam
Mar 15, 2017
G2WA0009-03152017D

Contains 1:1 Nitric Acid NA-6218060 EXP: 08/05/17 Warning! See SDS

Time Zone: <u>EST</u> <u>CEN</u> Time: <u>10:45</u>		Field ID: <u>G2WA0009-03152017B</u>		Location: <u>Merritt's Mill Pond</u>	
☒ 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 ₂ SO ₄	SA-6302030	10/28/17	☐ < 2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO ₃	NA-6218060	08/05/17	☐ < 2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm 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			
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococcus ☐ PCR-FILTER	☐ Ice			
Tracers					
Pesticides					

Blank

QC BLANK

STORET ↓

G1WA0009

Field ID →
QC BLANK
Mar 15, 2017
G2WA0009-03152017B

Contains 1:1 Sulfuric Acid SA-6302030 EXP: 10/28/17 Warning! See SDS

Contains 1:1 Nitric Acid NA-6218060 EXP: 08/05/17 Warning! See SDS

Notes:		Field ID →	
Merritt's Mill Pond 500 meters upstream of dam		Merritt's Mill Pond 500 meters upstream of dam	
Signature: <u>C. Green</u>		Date: <u>3-15-17</u>	

STORET ↓

G1WA0009

Field ID →
G2WA0009-03152017B

Field Parameters Entered into LIMS: _____ (Initials/Date) C. Green 3-16-17 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: Merritts Mill Pond 500 meters upstream of dam

County: Jackson

Date: 03/15/2017

Investigators: Curtis Musson, Ben Ralys

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
4	1	9			4	1	6		
	2	9				2	6		
	3	9				3	7		
	4	9				4	7		
	5	9				5	7		
	6	9				6	7		
	7	9				7	6		
	8	9				8	6		
	9	9				9	6		
4	1	9			6	1	9		
	2	9				2	9		
	3	9				3	9		
	4	9				4	9		
	5	9				5	9		
	6	9				6	9		
	7	9				7	9		
	8	9				8	9		
	9	9				9	9		
8	1	9			5	1	9		
	2	9				2	9		
	3	9				3	9		
	4	9				4	9		
	5	9				5	9		
	6	9				6	9		
	7	9				7	9		
	8	9				8	9		
	9	9				9	9		
4	1	9			6	1	9		
	2	9				2	9		
	3	9				3	9		
	4	9				4	9		
	5	9				5	9		
	6	9				6	9		
	7	9				7	9		
	8	9				8	9		
	9	9				9	9		
4	1	9			6	1	9		
	2	9				2	9		
	3	9				3	9		
	4	9				4	9		
	5	9				5	9		
	6	9				6	9		
	7	9				7	9		
	8	9				8	9		
	9	9				9	9		
4	1	9			6	1	9		
	2	9				2	9		
	3	9				3	9		
	4	9				4	9		
	5	9				5	9		
	6	9				6	9		
	7	9				7	9		
	8	9				8	9		
	9	9				9	9		
6	1	9			6	1	9		
	2	9				2	9		
	3	9				3	9		
	4	9				4	9		
	5	9				5	9		
	6	9				6	9		
	7	9				7	9		
	8	9				8	9		
	9	9				9	9		

STORET Station Number:

G2440004

Secchi depth 10.3
Estimated?

points ranked 4-6 57
total points assessed 93
% points ranked 4-6 61%

Check accompanying data collected at same site/date.

Algal mat sample X
Linear Veg Survey
Habitat Assessment
SCI/Biorecon
Water sample X
RQ-2017-03-13-08

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

SBI ID 77394
RPS ID 8595

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)

Handwritten: "Solidly" this box there is qualified data on this page.

Meter Biology 2

RQ- 2017-03-13-18

Project MMP BMAP

- 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 09/23/2016

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.	Curtis Musson	3-15-17	7:25	20.42	9.021	9.02	100.0	49	-	P	LAB
ICV	Curtis Musson	3-15-17	7:26	20.43	9.021	9.02	100.0	49	-	P	LAB
CCV	Curtis Musson	3-15-17	14:35	19.58	9.165	9.24	100.8	49	-	P	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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	3/15/17	7:30	161111D	11/2017	1000	1000	P	LAB
ICV	Curtis Musson	3/15/17	7:31	161111D	11/2017	1000	1000	P	LAB
CCV	Curtis Musson	3/15/17	14:36	161111D					
CCV	Curtis Musson	3/15/17	14:40	2150F25	10/2017	100	102	P	LAB

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	3/15/17	7:32	161111B	5/18	7.0	7.00	-15	P	LAB
Calibr.	Curtis Musson	3/15/17	7:34	161111A	11/17	4.01	4.00	161	P	LAB
Calibr.	Curtis Musson	3-15-17	7:35	161111C	5/18	10.01	10.01	-181	P	LAB
ICV	Curtis Musson	3/15/17	7:37	161111C	5/18	10.01	9.96	-178	P	LAB
CCV	Curtis Musson	3/15/17	14:36	161111B	5/18	7.0	7.30	-	Fail	LAB
CCV	Curtis Musson	3/15/17	14:42	161111B	5/18	7.0	7.21	-	Pass	

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

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Central Lab Sample Submittal Form

Request Number: RQ-2017-03-13-18

Event: Merritt's Mill Pond

Customer: WQ-ASSESS

Project ID: BMAP

Requester: Curtis Musson

Collected By: Curtis Musson, Ben Ratys

Field Report Prepared By: Curtis Musson
Sampling Agency: FDEP

Page 1 of 5

STORET ↓

Merritt's Mill Pond

500 meters

downstream of

Jackson Blue Spring G1WA0007

Field ID →

Merritt's Mill Pond

500 meters

downstream of

Jackson Blue

Spring

Mar 15, 2017

G2WA0007-03152017

STORET ↓

Merritt's Mill Pond

mid under

powerlines

G1WA0008

Field ID →

Merritt's Mill Pond

500 meters

mid under powerlines

Mar 15, 2017

G2WA0008-03152017

STORET ↓

Merritt's Mill Pond

500 meters

upstream of dam

G1WA0009

Field ID →

Merritt's Mill Pond

500 meters

upstream of dam

Mar 15, 2017

G2WA0009-03152017

Collection (comp begin or grab)		Collection (comp begin or grab)		Collection (comp begin or grab)	
Comp	Grab	Date	Time	Date	Time
☐	☒	3/15/17	09:45	3/15/17	09:45
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		Sample Depts (m)	
Fresh		7.88		0.3	
Temp (C)		pH		Sp. Conductance (umho/cm)	
20.03		7.87		277	
Salinity (ppt)		Comments			
0.13					
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		Bottle Group(s)	
				A1	
☐	☒	3/15/17	10:15	3/15/17	10:15
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		Sample Depts (m)	
Fresh		9.97		0.3	
Temp (C)		pH		Sp. Conductance (umho/cm)	
16.04		8.19		281	
Salinity (ppt)		Comments			
0.13					
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		Bottle Group(s)	
				A	
☐	☒	3/15/17	10:35	3/15/17	10:35
Matrix (Salt, Fresh)		Diss. Oxygen (mg/L)		Sample Depts (m)	
Fresh		10.50		0.3	
Temp (C)		pH		Sp. Conductance (umho/cm)	
15.52		9.35		269	
Salinity (ppt)		Comments			
0.13					
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		Bottle Group(s)	
				AD	

Date/Time

Relinquished By: Curtis Musson

3/15/17 14:12

Number of Coolers

2

Received By:

Date/Time

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Request Number: RQ-2017-03-13-18

Page 2 of 5

Event: Mettits Mill Pond
 Customer: WQ-ASSESS
 Project ID: BMAP

Requester: Curtis Musson

Field Report Prepared By: FDEP

Collected By: Curtis Musson, Ben Ralys

Sampling Agency: FDEP

QC - Duplicate Merritt's Mill Pond 500 meters upstream of dam		STORET ↓ G2WA0009-03152017D		Field ID → ST Merritt's Mill Pond 500 meters upstream of dam Mar 15, 2017		QC - Duplicate Merritt's Mill Pond 500 meters upstream of dam Mar 15, 2017		STORET ↓ G2WA0009-03152017B		Field ID → ST QC BLANK Mar 15, 2017		Location		Location		Location											
Matrix (Salt, Fresh) Fresh		Collection (comp begin or grab) Date 3/15/17 Time 10:45		Eastern Central		Collection (comp begin or grab) Date		Eastern Central		Time		Bottle Group(s)		Matrix (Salt, Fresh) DI water		Collection (comp begin or grab) Date 3/15/17 Time 10:45		Eastern Central		Time		Bottle Group(s)					
Temp (C) 15.52		Diss. Oxygen (mg/L) 10.50		pH 8.35		Sample Depts (m) 0.35		Sp. Conductance (umho/cm) 269		Comments 0.13		Latitude (Decimal Degrees)		Matrix (Salt, Fresh) DI water		Diss. Oxygen (mg/L) /		pH /		Sample Depts (m) /		Sp. Conductance (umho/cm) /		Comments DI water, Blank-QC		Latitude (Decimal Degrees)	
Salinity (ppt) 0.13		Temp (C) 15.52		pH 8.35		Sample Depts (m) 0.35		Sp. Conductance (umho/cm) 269		Comments 0.13		Latitude (Decimal Degrees)		Matrix (Salt, Fresh) DI water		Diss. Oxygen (mg/L) /		pH /		Sample Depts (m) /		Sp. Conductance (umho/cm) /		Comments DI water, Blank-QC		Latitude (Decimal Degrees)	
Salinity (ppt) 0.13		Temp (C) 15.52		pH 8.35		Sample Depts (m) 0.35		Sp. Conductance (umho/cm) 269		Comments 0.13		Latitude (Decimal Degrees)		Matrix (Salt, Fresh) DI water		Diss. Oxygen (mg/L) /		pH /		Sample Depts (m) /		Sp. Conductance (umho/cm) /		Comments DI water, Blank-QC		Latitude (Decimal Degrees)	

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

Group: B	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab
Group: C	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: C	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
Group: C	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab

355

Group: A	Bottle Type: P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
ALKALINITY						
TURBIDITY						
W-CL-IC						
W-COLOR						
W-F						
W-SO4-IC						
W-TDS						
W-TSS						
Group: A	Bottle Type: BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
CHLSUITE-W						
Group: A	Bottle Type: P-500ML	# of Bottles: 3	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	3
W-ICP						
W-ICPMS						
Group: A	Bottle Type: P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	3
W-NH3						
W-NO2NO3						
W-S-A-TP						
W-TKN						
W-TOC						
Group: A	Bottle Type: P-125ML	# of Bottles: 3	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	3
W-PO4-F						
Group: B	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-SO4-IC						
W-TDS						
W-TSS						
Group: B	Bottle Type: BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
CHLSUITE-W						

Group: D	Bottle Type: PT-50ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
ALGAL_ID					

Cooler Packing Worksheet for Request: RQ-2017-03-13-18

Merrits Mill Pond

Ship Cooler On: 3/8/2017

Customer/Project: WQ-ASSESS/BMAP

Assigned To: GREENWOO_J

Requester: Curtis Musson

Priority: 3

8502458453
Division Of Water Facilities, FL DEP
2600 Blair Stone Rd.
Tallahassee, FL 32399-2400
Attn: curtis musson

Comments:

No preservatives needed.

Group A: Freshwater Kit With Metals
Group B: Freshwater Kit With Metals - Duplicate
Group C: Freshwater Kit With Metals - Blank
Group D: Algae ID

Packing Notes

No Shipping Labels needed

Requested Analyses:

Bottle Group: A

of Sites: 3

Container ID: P-1L

Qty: 3 Preservation: ICE

Lot # 6060873

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: 3 Preservation: ICE

Lot # 1191091

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 3 Preservation: HNO3

Lot # 00066885

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: 3 Preservation: ICE And H2SO4

Lot # 00066885

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: 3 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: P-1L

Qty: 1 Preservation: ICE

Lot # 00066873

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: 1 Preservation: ICE

Lot # 1191091

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 0006885

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: 1 Preservation: ICE And H2SO4

Lot # 0006885

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: 1 Preservation: ICE-FLTR

Lot # 0006437

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Bottle Group: C

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 0006873

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

Description

Alkalinity in aqueous matrices as mg CaCO3/L

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-SO4-IC	Sulfate in aqueous matrices
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 # 1191091

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 00066885

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: 1 Preservation: ICE And H2SO4

Lot # 00066885

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: 1 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: D

of Sites: 1

Container ID: PT-50ML

Qty: 1 Preservation: ICE

Lot # 0371503

Description: Plastic Tube 50 mL

Analysis

ALGAL_ID

Description

Qualitative assessment of algal taxa present without counts

Cooler Packed By: J. J. Date: 3/6/17

DEP Cooler ID #(s): 2

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-2017-03-13-18