



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / ☒ No

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

Date: 12/18/19

(mm/dd/yyyy)

WIN ID/ Field ID: G2WA0009

WBID: 180A

Latitude: 30.755

(Decimal Degrees)

County: Jackson

ORG ID: 21FLWQA

Longitude: -85.1881

(Decimal Degrees)

Receiving Body of Water: Chipola River

RQ - 2019-12-16-47

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Duplicate Collection	Blank Collection
Blake Spencer						X	X					
Curtis Musson							X	X	X	X		X

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☒ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Depth Measured with: <u>Sonar #1</u>		
Equipment ID		
Collection Method		
☐ Wading	☐ Canoe/Kayak	
☐ From Shore	☐ Electric Motor	
☐ Other	☒ Gasoline Motor	

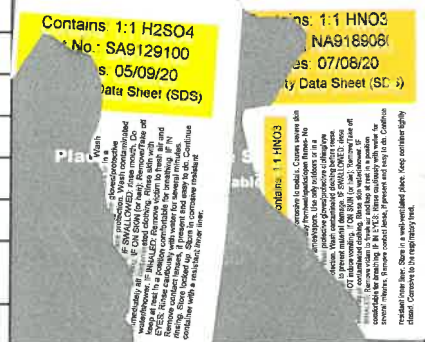
Water Level: Dry/ Pooled/ Low/ <u>Normal</u> / High/ Flooded	Meter ID# <u>Biology #2</u>	Matrix: <u>Fresh</u> Marine / DI
Photos: Yes / <u>NO</u>	Flow: No Flow / Intestinal / Flowing / <u>NA</u>	Tide: Rising/ Falling/ Slack/ <u>NA</u>
Tide Times: High <u>NA</u> Low <u>NA</u>		(Bracket Sample Time)

Field Sample

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Sp COND (µmhos/cm)	Temp. (C°)
<u>EST</u>	<u>0853</u>	<u>2.7</u>	<u>0.3</u>	<u>VOB</u>	<u>8.71</u>	<u>88.9</u>	<u>7.90</u>	<u>0.13</u>	<u>278</u>	<u>15.25</u>
CEN	<u>0858</u>		<u>2.2</u>		<u>9.26</u>	<u>91.1</u>	<u>7.86</u>	<u>0.13</u>	<u>277</u>	<u>15.08</u>

Biological Samples Collected: <u>None</u> <u>CM</u> HA SCI RPS <u>Algae ID</u> LVS LVI Other:
SBIO ID Numbers: SBIO-ID: <u>80555</u> HA-ID: RPS-ID: <u>9515</u> Macrophyte-ID: LIMS#:

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4	<u>9129100</u>	<u>5/9/20</u>	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	<u>918908</u>	<u>7/8/20</u>	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice			
Chlorophyll	☒ CHL-SUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococci	☐ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-E3821-MS ☐ W-E3821-DI	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-E3821-MS ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-E3821-DI ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			



A

QA/QC Sample Information Duplicate

Time Zone: EST CEN		Time: _____		Field ID: _____	
(WIN ID_DUP)					
WIN DMT Activity ID:					
Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☐ Ice ☐ H ₂ SO ₄			☐ < 2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ < 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-CHC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Microbiology	☐ E Coli ☐ Coli ☐ Enterococci	☐ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-E3821-MS ☐ W-E3821-DI	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-E3821-DI ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-E-3821-MS ☐ W-CARB-AA	☐ Ice			

Blank

FILED ID →



FB_12182019

Time Zone: EST CEN Time: 1012 Field ID: _____

DI Source: Lab Building C

Location: _____

Location

Merritt's Mill Pond
mid under powerlines

☒ Field Blank

☐ Equipment Blank

☐ Field Cleaned Equipment Blank

Equipment ID: _____

WIN DMT Blank Batch ID:

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H ₂ SO ₄	9/29/00	5/9/20	☒ < 2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO ₃	7/8/20	9/8/08	☐ < 2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice			
Physical/Aggregate (Fresh)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-F / W-TSS / TURBIDITY	☐ Ice			
Tracers	☐ W-E3821-MS ☐ W-E3821-DI	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-E3821-DI ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-E3821-MS ☐ W-CARB-AA	☐ Ice ☐ Other			
Microbiology	☐ E.coli ☐ F. Coliform ☐ Enterococci				

Notes:

Nutrients

Metals

RPS

Algal ID

WIN ID /
FILED ID →



G2WA0009

Location

Merritt's Mill Pond 500
meters upstream of dam

Signature: Curtis May

Date: 12.18.19

LIMS EVENT ID: WAS-SECT-2019-12-18-01

WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: ABH 12/19/19
(Initials/Date)

QC Station ID, Field Parameters In LIMS DMT: Cm 12.30.19
(Initials/Date)

Scan/Save Field Sheets

(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data In WIN:

(Initials/Date)

Merritts Mill Pond 500 Meters Upstream of dam

DEP FORM FD 9000-25 Rapid Periphyton Survey Field Sheet

Site: MMP 500 us of Dam					County: Jackson		Date: 12-18-79		Investigators: C. M. Wilson	
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	
8	1	X	X		60	1	X	X		
	2	6	Y			2	6	Y		
	3	6				3	6			
	4	N				4	5			
	5	5		0		5	N		0	
	6	6				6	5			
	7	5				7	5			
	8	5				8	5			
	9	6	Y			9	6	Y		
8	1	X	X		70	1	X	X		
	2	6	Y			2	6	Y		
	3	5				3	5			
	4	5				4	5			
	5	5		0		5	5		0	
	6	N				6	N			
	7	6				7	N			
	8	5				8	5			
	9	6	Y			9	6	Y		
8	1	X	X		80	1	5	Y		
	2	5	Y			2	5	Y		
	3	N				3	5			
	4	5				4	N			
	5	5		0		5	5		0	
	6	5				6	N			
	7	N				7	5			
	8	N				8	N			
	9	6	Y			9	6	Y		
8	1	X	X		90	1	X	X		
	2	5	Y			2	5	Y		
	3	N				3	5			
	4	N				4	5			
	5	5		0		5	5		0	
	6	5				6	N			
	7	5				7	5			
	8	5				8	5			
	9	6	Y			9	6	Y		
8	1	X	X		100	1	X	X		
	2	5	Y			2	5	Y		
	3	5				3	5			
	4	N				4	5			
	5	5		0		5	N		0	
	6	5				6	N			
	7	5				7	5			
	8	5				8	5			
	9	6	Y			9	6	Y		
8	1	X	X		50	1	X	X		
	2	5	Y			2	5	Y		
	3	5				3	5			
	4	5				4	5			
	5	5		0		5	5		0	
	6	5				6	5			
	7	5				7	5			
	8	5				8	5			
	9	6	Y			9	6	Y		

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%.

STORET Station Number:

G24A0009

(N to 1 mm)

Secchi depth 10.5
Estimated? 10.5

(3) 6mm

points ranked 4-6 20
total points assessed 89
% points ranked 4-6 22%

(4) 20mm

(Exclude X's)

Check accompanying data collected at same site/date.

Algal mat sample X
Linear Veg Survey
Habitat Assessment
SCI/Biorecon
Water sample X

RQ-2019-12-16-47

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

(5) 10cm

(> 3 considered smothered)

(6)

RQ-2019-12-16-47

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID: B10 #2

RQ: 2019-11-04-27

Project: SAP / BMAP

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

DO DEP SOP FT 1500	Name	Date	Time ET/ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	12/18/19	6:29	19.16	760	9.239	9.25	100.0	68.6	-	☒ F	☒ F
ICV	Curtis Musson	12/18/19	6:30	19.16	760	9.239	9.24	100.0	67.6	-	☒ F	☒ F
CCV	Blake Spencer	2/18/19	15:12	15.91	760	9.891	9.99	101.1	65.5	-	☒ F	☒ F
CCV											P / F	L / F

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 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time ET/ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	12/18/19	6:32	190618F	06/2020	1000	1000	☒ F	☒ F
ICV	Curtis Musson	12/18/19	6:33	190618F	06/2020	1000	1000	☒ F	☒ F
CCV	Blake Spencer	12/18/19	15:15	2908C81	08/2021	100	103	☒ F	☒ F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	12/18/19	6:36	190618B	12/2020	7.02	20.03	7.02	34.8	☒ F	☒ F
Calibr.	Curtis Musson	12/18/19	6:41	191120A	06/2021	4.00	19.94	4.00	140.0	☒ F	☒ F
Calibr.	Curtis Musson	12/18/19	6:45	190618C	12/2020	10.05	19.95	10.02	21.5	☒ F	☒ F
ICV	Curtis Musson	12/18/19	6:47	190618C	12/2020	10.05	19.67	10.02	21.3	☒ F	☒ F
CCV	Blake Spencer	12/18/19	15:17	191120A	06/2021	4.00	19.67	4.02	132.3	☒ F	☒ F
CCV										P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

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

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification:

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time ET/ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	Curtis Musson	12/18/20	6:35	0.00	0.000	☒ F	☒ F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

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

Customer: WAS-SECT

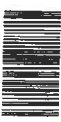
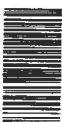
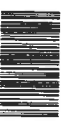
Requester: Curtis Musson

Field Report Prepared By: Curtis Musson

Project ID: BMAP

Collected By: Curtis Musson

Sampling Agency: FDEP

Location		WIN ID / FILED ID →  G2WA0009		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Merritt's Mill Pond 500 meters upstream of dam		Date 12/18/19 Time 0853		Date		(See pg 2)	
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude		dd dms		Temp (C) 15.25		pH 7.80		A, B	
Longitude		dd dms		Salinity (ppt) 0.13		Sp. Conductance (umho/cm) 278			
Location		WIN ID / FILED ID →  FB_12182019		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Merritt's Mill Pond mid under powerlines		Date 12/18/19 Time 1012		Date		C	
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude		dd dms		Temp (C) —		pH —			
Longitude		dd dms		Salinity (ppt) —		Sp. Conductance (umho/cm) —			
Location		WIN ID / FILED ID →  G2WA0008		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Merritt's Mill Pond mid under powerlines		Date 12/18/19 Time 1024		Date		A	
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude		dd dms		Temp (C) 16.80		pH 7.86			
Longitude		dd dms		Salinity (ppt) 0.13		Sp. Conductance (umho/cm) 278			
Location		WIN ID / FILED ID →  G2WA0008		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Merritt's Mill Pond mid under powerlines		Date 12/18/19 Time 1031		Date		A	
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude		dd dms		Temp (C) —		pH —			
Longitude		dd dms		Salinity (ppt) —		Sp. Conductance (umho/cm) —			

Relinquished By: Curtis Musson	Date/Time: 12/18/19	Shipping Method: Hand-off	Number of Coolers Shipped: 2	Received By: [Signature]	Date/Time: 12/18/19
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Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Curtis Musson

Project ID: BMAP

Collected By: Curtis MussonSampling Agency: FDEP

Location		WIN ID / FILED ID →		Collection (comp begin or grab)		Eastern		Composite end		Bottle Group(s)	
Field ID		G2WA0022		Date 12-18-19 Time 104		Central		Date		(See pg 2)	
WIN/STORET #		SHANGRI LA SPRING Vent		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		Longitude		Temp (C) 20.52		pH 7.64		ft		Sp. Conductance (umho/cm) 293	
Salinity (ppt) 0.14		Comments									
Location		WIN ID / FILED ID →		Collection (comp begin or grab)		Eastern		Composite end		Bottle Group(s)	
Field ID		G2WA0007		Date 12-18-19 Time 1051		Central		Date		(See pg 2)	
WIN/STORET #		Merritt's Mill Pond 600 meters downstream of Jackson Blue Sp		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		Longitude		Temp (C) 19.27		pH 7.91		ft		Sp. Conductance (umho/cm) 279	
Salinity (ppt) 0.13		Comments									
Location		WIN ID / FILED ID →		Collection (comp begin or grab)		Eastern		Composite end		Bottle Group(s)	
Field ID				Date		Central		Date		(See pg 2)	
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		Longitude		Temp (C)		pH		ft		Sp. Conductance (umho/cm)	
Salinity (ppt)		Comments									
Location		WIN ID / FILED ID →		Collection (comp begin or grab)		Eastern		Composite end		Bottle Group(s)	
Field ID				Date		Central		Date		(See pg 2)	
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		Longitude		Temp (C)		pH		ft		Sp. Conductance (umho/cm)	
Salinity (ppt)		Comments									

Relinquished By: <u>Curtis Musson</u>	Date/Time: <u>12/18/19/ 1346</u>	Shipping Method: <u>Handoff</u>	Number of Coolers Shipped: <u>2</u>	Received By: <u>[Signature]</u>	Date/Time: <u>12/18/19 1446</u>
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Group: A	Bottle Type:	P-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS							
Group: A	Bottle Type:	BP-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
CHLSUITE-W							
Group: A	Bottle Type:	P-500ML	# of Bottles: 5	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	5
W-ICP W-ICPMS HNO3 LOT# M9189089 P-Exp: 07/08/20							
Group: A	Bottle Type:	P-500ML	# of Bottles: 5	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	5
W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC H2SO4 LOT# SA9129100 EXP: 05/08/2020							
Group: A	Bottle Type:	P-125ML	# of Bottles: 5	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	5
W-PO4-F							
Group: B	Bottle Type:	PT-50ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
ALGAL_ID							
Group: C	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: C	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative: HNO3 LOT# NA9189000 F-EXP: 07/08/20	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 H2SO4 LOT# SA9129100 EXP: 05/09/2020	Enter Number of Bottles Sent to Lab
Group: C	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab

Cooler Packing Worksheet for Request: RQ-2019-12-16-47

Merrit's Mill Pond BMAP

Ship Cooler On: 12/12/2019

Customer/Project: WAS-SECT/BMAP

Assigned To: MCCOY_I

Requester: Curtis Musson

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Nutrients, Metals x5

Group B: Algal_ID x1

Group C Nutrients, Metals - Blank

Packing Notes:

No Fedex Labels

No Trash Bags

Requested Analyses:

Bottle Group: A

of Sites: 5

Container ID: P-1L

Qty: 5

Preservation: ICE

Lot #

00075290

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 using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 5

Preservation: ICE

Lot #

1254820

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 5

Preservation: HNO3

Lot # 00075720

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: 5

Preservation: ICE And H2SO4

Lot # 00075720

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: 5

Preservation: FILTER-ICE

Lot # 00075961

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: PT-50ML

Qty: 1

Preservation: ICE

Lot # 430897

Description: Plastic Tube 50 mL

Analysis

ALGAL_ID

Description

Qualitative assessment of algal taxa present without counts

Bottle Group: C

of Sites: 1

Container ID: P-1L

Qty: 1

Preservation: ICE

Lot # 00075290

Description: Plastic Bottle 1L

Analysis

Description

ALKALINITY	Alkalinity in aqueous matrices as mg CaCO ₃ /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-SO ₄ -IC	Sulfate in aqueous matrices
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: P-500ML

Qty: 1 Preservation: HNO₃

Lot # 00075720

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 # 00075720

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: FILTER-ICE

Lot # 0005290

Description: Plastic Bottle 125 mL

Analysis

W-PO₄-F

Description

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

Cooler Packed By: IM Number of Coolers: 2 Date: 12/13/19

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☐ FedEx Bills, if applicable
- ☐ Plastic Bags/Zip Ties
- ☐ Acid Labels (sets of 24)

If Preservation Included:

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

PLEASE RETURN ALL COOLERS FOR RQ-2019-12-16-47