



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

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Data Qualified?

Yes ☒ No ☐

March 2017

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

Date: 9/26/17

(mm/dd/yyyy)

STORET # G2WA0009

WBID: 180A

Latitude: 30.755

(Decimal Degrees)

County: Jackson

RQ - 2017-09-11-17

ORG ID: 21FLWQA

Longitude: -85.1881

(Decimal Degrees)

Receiving Body of Water: Chipola River

Field ID: G2WA0009 9262017

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Curtis Musson						X		X	X
Ben Ralys					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					
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	9:30	0.3	2.2	10.68	131.8	8.55	0.13	VOB	271	26.05
CEN	9:35	1.7		10.58	130.4	8.41	0.13		270	25.99

Biological Samples Collected: ☒ None HA SCI RPS Algae ID LVS LVI Other

SBIO ID Numbers: SBIO-ID: RPS-ID: Macrophyte-ID: LIMS#:

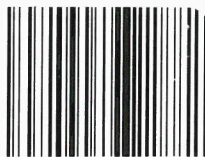
Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4	SA7163030	6/12/18	☒ <2
Metals	☒ W-ICPMS ☐ W-ICP	☒ Ice ☒ HNO3	7086060	3/27/18	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ 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 ☐ Enterococci ☐ qPCR	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R	☐ Ice			
	☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Other			

Contains 1:1 Sulfuric Acid
Lot No.: SA7163030
Expires: 06/12/18
See Safety Data Sheet (SDS)Contains
1:1
Nitric Acid
NA - 7086060
EXP: 03/27/18
Warning!
See SDS

Notes:

Kit C

STORET →

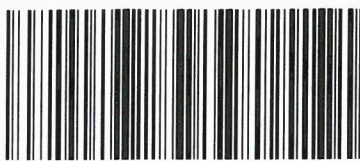
Merritts Mill Pond
500 meters upstream
of dam

G2WA0009

Field ID →

Merritt's Mill Pond
500 meters
upstream of dam

Sept 26, 2017



G2WA0009 9262017

Signature:

Date: 9/26/17

Field Parameters Entered into LIMS: DT 9/27/17

(Initials/Date)

Field Parameters QC in LIMS:

(Initials/Date)

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved: DT 9/27/17

(Initials/Date)

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

Boldly "X" this box if there is qualified data on this name.

Meter ID: Biology #2

RQ: 2017-09-11-17

Project: 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.

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	9/26/17	657	21.96	8.744	8.75	100.0	52	—	☒ F	☒ F
ICV	Curtis Musson	9/26/17	658	21.94	8.761	8.76	100.0	52	—	☒ F	☒ F
CCV	Curtis Musson	9/26/17	1455	23.53	8.498	8.51	100.1	52	—	☒ F	☒ F
CCV										P / F	L / F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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	9/26/17	700	170310D	03/2018	1000	1000	☒ F	☒ F
ICV	Curtis Musson	9/26/17	701	170310D	03/2018	1000	1000	☒ F	☒ F
CCV	Curtis Musson	9/26/17	1457	170614D	6/2018	100	104	☒ 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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	9/26/17	702	170310B	9/2018	7.0	7.00	35	☒ F	☒ F
Calibr.	Curtis Musson	9/26/17	704	170614A	6/2018	4.01	4.01	206	☒ F	☒ F
Calibr.	Curtis Musson	9/26/17	706	170310C	9/2018	10.01	9.96	-120	☒ F	☒ F
ICV	Curtis Musson	9/26/17	707	170310C	9/2018	10.01	9.93	-118	☒ F	☒ F
CCV	Curtis Musson	9/26/17	1459	170310B	9/2018	7.00	7.00	40.5	☒ F	☒ F
CCV									P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 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)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air	Curtis Musson	9/26/17	709	0.000	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:

Request Number: 2017-09-11-17

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal FormMerritt's Mill Pond
Customer: WAS-SECT
Project ID: BMAP

Requester: Curtis Musson

Loc

Collected By: Curtis Musson, Ben Ralls

Page 1 of 2
Field Report Prepared By: Curtis Musson
Sampling Agency: FDEP

STORRET →

Merritt's Mill Pond
500 meters upstream
of dam

G2W1A0000

Field IC →

Merritt's Mill Pond
500 meters
upstream of dam

Sept 26, 2017

G2W1A0000 00262017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9-26-17 Time 930	☐ Eastern ☒ Central	Collection (comp begin or grab) Date /	Time /
Matrix (Salt, Fresh) Fresh	Dis. Oxygen (mg/L) 10.68	Sample Depts (m)	0.3	Sp. Conductance (umho/cm) 271
Temp (C) 26.05	pH 8.55			
Salinity (ppt) 0.13	Comments			
Latitude (Decimal Degrees)	30.755	Longitude (Decimal Degrees)	-85.1881	

A

Merritt's Mill Pond
mid under
powerlines

G1W1A0000

Field IC →

Merritt's Mill
Pond mid
under powerlines

Sept 26, 2017

G2W1A0000 00262017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9-26-17 Time 950	☐ Eastern ☒ Central	Collection (comp begin or grab) Date /	Time /
Matrix (Salt, Fresh) Fresh	Dis. Oxygen (mg/L) 9.33	Sample Depts (m)	0.3	Sp. Conductance (umho/cm) 274
Temp (C) 24.36	pH 7.71			
Salinity (ppt) 0.13	Comments			
Latitude (Decimal Degrees)	30.7698	Longitude (Decimal Degrees)	-85.1731	

A

Merritt's Mill Pond
600 meters
downstream of
Jackson Blue Spring

G1W1A0007

Field IC →

Merritt's Mill Pond
600 meters
downstream of
Jackson Blue
Spring

Sept 26, 2017

G2W1A0007 00262017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9-26-17 Time 10:10	☐ Eastern ☒ Central	Collection (comp begin or grab) Date X	Time X
Matrix (Salt, Fresh) Fresh	Dis. Oxygen (mg/L) 7.81	Sample Depts (m)	0.3	Sp. Conductance (umho/cm) 228
Temp (C) 20.74	pH 7.15			
Salinity (ppt) 0.13	Comments			
Latitude (Decimal Degrees)	30.787	Longitude (Decimal Degrees)	-85.1459	

A, B

Relinquished By:

Curtis Musson

Date/Time

9-26-17 / 1240

Number of Coolers

1

Received By:

Curtis Musson

Date/Time

9-26-17 / 12:48

Group: A

Bottle Type:
ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-SO4-IC
W-TDS
W-TSS

P-1L

of Bottles: 3

Preservative:

ICE

Enter Number of Bottles Sent to Lab 3 of 3

Group: A

Bottle Type:
CHLSUITE-W

BP-1L

of Bottles: 3

Preservative:

ICE

Enter Number of Bottles Sent to Lab 3 of 3

Group: A

Bottle Type:
W-ICP
W-ICPMS

P-500ML

of Bottles: 3

Preservative:

HNO3

Enter Number of Bottles Sent to Lab 3 of 3

Group: A

Bottle Type:
W-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOC

P-500ML

of Bottles: 3

Preservative: ICE And H2SO4

Enter Number of Bottles Sent to Lab 3 of 3

Group: A

Bottle Type:
W-PO4-F

P-125ML

of Bottles: 3

Preservative:

ICE-FLTR

Enter Number of Bottles Sent to Lab 3 of 3

Group: B

Bottle Type:
ALGAL_ID

PT-50ML

of Bottles: 1

Preservative:

ICE

Enter Number of Bottles Sent to Lab 1 of 1

Cooler Packing Worksheet for Request: RQ-2017-09-11-17

Merrits Mill Pond BMAP

Ship Cooler On: 8/28/2017

Customer/Project: WAS-SECT/BMAP

Assigned To: GREENWOO_J

Requester: Curtis Musson

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Freshwater Kit With Metals

Group B: Algal ID

Requested Analyses:

Bottle Group: A

of Sites: 3

Container ID: P-1L

Qty: 3 Preservation: ICE

Lot # 00068657

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 # 1196409

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 3 Preservation: HNO3

Lot # 00068654

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 # 00068654

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 # 00067688

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 # 03715003

Description: Plastic Tube 50 mL

Analysis

ALGAL_ID

Description

Qualitative assessment of algal taxa present without counts

Cooler Packed By:

J.D.

Number of Coolers:

1

Date:

8/30/17

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☐ FedEx Bills, if applicable
- ☒ Plastic Bags
- ☒ Zip Ties

If Preservation Included:

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

PLEASE RETURN ALL COOLERS FOR RQ-2017-09-11-17