



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

October 2017

Qualified Data

10

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

Date: 12/18/17

(mm/dd/yyyy)

STORET # G2WA0009

WBID: 180A

Latitude: 30.755

(Decimal Degrees)

County: Jackson

RQ - 2017-12-11-19

ORG ID: 21FLWQA

Longitude: -85.1881

(Decimal Degrees)

Receiving Body of Water: Chipola River

Field ID: G2WA0009

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Ben Ralys									☒ Sample Container	☐ Van Dorn	☐ Pole	
Blake Spencer									☐ Carboy	☒ Syringe		
									☐ Dipper	☐ Other		
									Equipment ID			
									Collection Method			
									☐ Wading	☐ Canoe/Kayak		
									☐ From Shore	☐ Electric Motor		
									☐ Other	☒ Gasoline Motor		

Water Level:	Dry / Low / Normal / Above Normal / Flooded	Meter ID#	Biology #2	Matrix:	Fresh / Marine / DI
Photos:	Yes / No	Flow:	No Flow / Intestinal / Flowing / NA	Tide:	Rising / Falling / Slack / NA
Tide Times:	High NA	Low	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	10:15	0.3	2.1	10.76	106.8	7.76	0.13	VOB	267	11.96
CEN	10:20	1.6		10.52	102.9	7.90	0.13		268	14.33

Biological Samples Collected:	None	HA	SCI	RPS	Algae ID	LVS	LVI	Other
SBIO ID Numbers:	SBIO-ID:	HA-ID:	RPS-ID:	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	SA7233030	8/21/18	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	7261120	9/18/18	☒ <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	☐ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-UHERB-AA ☐ W-AHERB-AA ☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Contains 1:1 Sulfuric Acid
Lot No.: SA7233030
Expires: 08/21/18
See Safety Data Sheet (SDS)

Contains 1:1 Nitric Acid
NA-7261120
EXP: 09/18/18
See SDS

Notes:	STORET / Field ID → Merritt's Mill Pond 500 meters upstream of dam Dec 18, 2017		Place Label Here (If Available)
Signature:	Date: 12/18/17		
Field Parameters Entered into LIMS:	Field Parameters QC in LIMS:		
Date Migrated to STORET:	Field Sheets Scanned/Saved:		

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Ben Ralys

Project ID: BMAP

Collected By: Ben Ralys, Blake Spencer

Sampling Agency: FDEP

Location		STORET / Field ID → Merritt's Mill Pond		Collection (comp begin or grab) Date 12/18/17 Time 0941		Composite end Date — Time —		Bottle Group(s) (See pg 2)	
Field ID		600 meters downstream of Jackson Blue Spring		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 7.19		Total Res. Chlorine (mg/L) —	
STORET #		DEC 18, 2017		Temp (C) 20.55		pH 7.47		Sp. Conductance (umho/cm) 275	
Latitude		30.787		Longitude -85.1459		Salinity (ppt) 0.13			
Location		STORET / Field ID → Merritt's Mill Pond		Collection (comp begin or grab) Date 12/18/17 Time 1015		Composite end Date — Time —		Bottle Group(s)	
Field ID		500 meters upstream of dam		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 10.76		Total Res. Chlorine (mg/L) —	
STORET #		DEC 18, 2017		Temp (C) 14.96		pH 7.76		Sp. Conductance (umho/cm) 267	
Latitude		30.755		Longitude -85.1881		Salinity (ppt) 0.13			
Location		STORET / Field ID → Merritt's Mill Pond		Collection (comp begin or grab) Date 12/18/17 Time 1030		Composite end Date — Time —		Bottle Group(s)	
Field ID		Mid Under Powerlines		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 9.64		Total Res. Chlorine (mg/L) —	
STORET #		DEC 18, 2017		Temp (C) 17.03		pH 7.90		Sp. Conductance (umho/cm) 274	
Latitude		30.7698		Longitude -85.1731		Salinity (ppt) 0.13			
Location		STORET / Field ID → Merritt's Mill Pond		Collection (comp begin or grab) Date — Time —		Composite end Date — Time —		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine (mg/L)	
STORET #				Temp (C)		pH		Sp. Conductance (umho/cm)	
Latitude				Longitude		Salinity (ppt)			

Relinquished By:

Date/Time
12/18/17Shipping Method
hand deliveredNumber of Coolers Shipped:
1

Received By:

Tyler R

Date/Time
12/18/17

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:	FILTER-ICE	Enter Number of Bottles Sent to Lab	3
	W-PO4-F						
Group: B	Bottle Type:	PT-50ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	ALGAL_ID						

Jackson Blue BMAP

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 #2**

RQ: **2017-12-11-19**

Project: **S 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.	Ben Ralys	12/18/17	7:31	20.02	9.092	9.09	100.0	72.7	—	P/F	L/F
ICV	Ben Ralys	12/18/17	7:33	20.02	9.092	9.08	99.9	73.7	—	P/F	L/F
CCV	Blake Spencer	12/19/17	1342	23.00	9.528	9.34	97.5%	72.7		P/F	L/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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	12/18/17	7:35	171005D	10/2018	1,000	1,000	P/F	L/F
ICV	Ben Ralys	12/18/17	7:36	171005D	10/2018	1,000	1,000	P/F	L/F
CCV	Blake Spencer	12/19/17	1344	171005E	10/2018	100	101	P/F	L/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.	Ben Ralys	12/18/17	0741	170614B	12/2018	7.0	7.00	25.9	P/F	L/F
Calibr.	Ben Ralys	12/18/17	0744	171005A	10/2018	4.0	4.00	190.9	P/F	L/F
Calibr.	Ben Ralys	12/18/17	0749	171005C	04/2019	10.0	9.99	134.6	P/F	L/F
ICV	Ben Ralys	12/18/17	0750	171005C	04/2019	10.0	10.00	135.2	P/F	L/F
CCV	Blake Spencer	12/19/17	1447	171005C	04/2019	10.0	10.09	149.6	P/F	L/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)

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						P/F	L/F

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

COMMENTS:

Cooler Packed By:

Tyler P.

Number of Coolers:

1

Date:

12/4/17

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-2017-12-11-19

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: FILTER-ICE

Lot # 00068595

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 # 03775003

Description: Plastic Tube 50 mL

Analysis

ALGAL_ID

Description

Qualitative assessment of algal taxa present without counts