



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

October 2016

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Data Qualified?

Yes / No

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

Date: 12/14/2016

(mm/dd/yyyy)

STORET Station ID: G2WA0009

WBID: 180A

Latitude: 30.755

(Decimal Degrees)

County: Jackson

RQ - 2016-12-12-534

ORG ID: 21FLWQA

Longitude: -85.1881

(Decimal Degrees)

Receiving Body of Water: Chipola River

Field ID: G2WA0009-12142016

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Curtis Musson									☒ Sample Container	☐ Van Dorn	☐ Pole	
Ben Ralys									☐ Carboy	☒ Syringe		
Robert Wiwi									☐ Dipper	☐ Other		
									Equipment ID			
									Collection Method			
									☐ Wading	Via Boat		
									☐ From Shore	☐ Canoe/Kayak		
									☐ Other (note below)	☐ Electric Motor		
										☒ Gasoline Motor		
Water Level: Dry / Low / Normal / High / Flooded				Matrix: Fresh / Marine / DI				Tide Falling: Yes / No / NA				
Meter ID# Biology 2				Photos: Yes / No								
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	10:20	0.3	2.4	11.16	117.3	7.99	0.12		250	17.54		
CEN	10:22	1.9		12.10	124.9	8.12	0.12		258	16.96		
Biological Samples Collected: None HA SCI LVS RPS LVI Other												
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-6209120		7/27/17 <2		
Metals		☒ W-ICPMS ☒ W-ICP				☒ Ice ☒ HNO3		NA-6218060		8/5/17 <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-CI-IC / ☒ W-COLOR / ☒ W-SO4-IC / ☒ W-TDS				☒ 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				☐ Ice						
		☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH				☐ Other						

Notes:

Merritt's Mill Pond
500 meters
upstream of dam

STORET ↓



G2WA0009

Field ID →

Merritt's Mill Pond
500 meters
upstream of dam

Dec 14, 2016



G2WA0009-12142016

Signature:

[Signature]

Date:

12/14/16

Field Parameters Entered into LIMS: DT 12/14/16

(Initials/Date)

Field Parameters QC in LIMS:

(Initials/Date)

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved:

(Initials/Date)

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

Holdly "X" this box if there is qualified data on this meter

Meter B30 #2

RQ- 2016-12-12-584 Project

- 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 Mussen	12/14/16	0715	21.43	8.846	8.85	100.0	50.2	-	P	LAB
ICV	Curtis Mussen	12/14/16	0717	21.42	8.846	8.97	100.3	51.2	-	P	LAB
CCV	Curtis Mussen	12/14/16	1603	22.03	8.744	9.50	108.7	49.2		Fail	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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Mussen	12/14/16	0719	160330D	04/24/17	1000	1000	P	LAB
ICV	Curtis Mussen	12/14/16	0721	160330D	04/24/17	1000	1007	P	LAB
CCV	Curtis Mussen	12/14/16	1605	161111E	05/24/17	100	100	P	LAB
CCV									

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 Mussen	12/14/16	0723	161111B	09/24/18	7.0	7.00	48.5	P	L
Calibr.	Curtis Mussen	12/14/16	0725	161111A	4/24/17	4.01	4.01	157.9	P	L
Calibr.	Curtis Mussen	12/14/16	0727	160330C	10/24/17	10.01	9.97	48.2	P	L
ICV	Curtis Mussen	12/14/16	0729	161111A	11/24/17	4.01	3.97	158.6	P	L
CCV	Curtis Mussen	12/14/16	1607	160330C	10/24/17	10.01	10.06	158.5	P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU;

mV pH7 Range 0 ± 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-2016-12-12-54

Merritt's Mill Pond
Customer: WQAP
Project ID: SMP

Requester: Benjamin Ralys

Collected By: Curtis Musson, Benjamin Ralys, Robert Lalor

Field Report Prepared By: Robert Lalor
Sampling Agency: FDEP

Page 1 of 2

STORET ↓

Merritt's Mill Pond
500 meters
upstream of dam



G1WA00009

Field ID →



Merritt's Mill Pond
500 meters
upstream of dam

Dec 14, 2016

G2WA00009-12142016

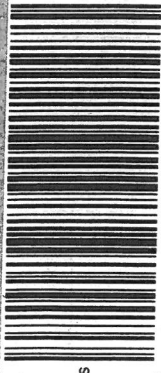
STORET ↓

Merritt's Mill Pond
mid under
powerlines



G1WA00008

Field ID →



Merritt's Mill Pond
mid under powerlines

Dec 14, 2016

G2WA00008-12142016

STORET ↓

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



G1WA00007

Field ID →



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

Dec 14, 2016

G2WA00007-12142016

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 12/14/16 Time 10:20	☒ Eastern ☐ Central	Collection (comp begin or grab) Date	Time	Bottle Group(s)
Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 11.16				
Temp (C) 17.54	pH 7.99		Sample Depts (m) 0.3	Sp. Conductance (umho/cm) 250	A
Salinity (ppt) 0.12	Comments				
Latitude (Decimal Degrees) 30.755		Longitude (Decimal Degrees) -85.1881			
☐ Comp ☒ Grab	Collection (comp begin or grab) Date 12/14/16 Time 10:35	☒ Eastern ☐ Central	Collection (comp begin or grab) Date	Time	Bottle Group(s)
Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 9.90				
Temp (C) 19.52	pH 7.88		Sample Depts (m) 0.3	Sp. Conductance (umho/cm) 270	A,B
Salinity (ppt) 0.13	Comments Grass carp present				
Latitude (Decimal Degrees) 30.7698		Longitude (Decimal Degrees) -85.1731			
☐ Comp ☒ Grab	Collection (comp begin or grab) Date 12/14/16 Time 9:50	☒ Eastern ☐ Central	Collection (comp begin or grab) Date	Time	Bottle Group(s)
Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 7.92				
Temp (C) 20.45	pH 7.51		Sample Depts (m) 0.3	Sp. Conductance (umho/cm) 273	A
Salinity (ppt) 0.13	Comments				
Latitude (Decimal Degrees) 30.787		Longitude (Decimal Degrees) -85.1459			

Relinquished By: [Signature] Date/Time 12/14/16 15:23

Number of Coolers 1

Received By: [Signature]

Date/Time 12-14-16/1523

Group: A	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-TDS W-TSS	P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
Group: A	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 3	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	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
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 3	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	3
Group: B	Bottle Type: ALGAL_ID	PT-50ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1

Cooler Packing Worksheet for Request: RQ-2016-12-12-54

Merritt's Mill Pond

Ship Cooler On: 12/13/2016

Customer/Project: WQAP/BMAP

Requester: Benjamin Ralys

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 kit including metals

Bottle Group B: Algal ID

Requested Analyses:

Bottle Group: A

of Sites: 3

Container ID: P-1L

Qty: 3 Preservation: ICE

Lot # 00065893

Description: Plastic Bottle 1L

Analysis

ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
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)
Total Dissolved Solids in aqueous matrices
Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 3 Preservation: ICE

Lot # 1185930

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

[Handwritten signature]

$$12 \mid 12 \mid 16$$

- ☐ Field Sheets
- ☒ Temperature Control Bottle (1 per cooler)
- ☐ FedEx Bills, if applicable (1 per cooler)
- ☒ Plastic Bags
- ☒ Zip Ties

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

PLEASE RETURN ALL COOLERS FOR RQ-2016-12-12-54