



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

October 2017

Qualified Data

NO

Location/STORET Station Name: East River Downstream of Boggy Bayou

Date: 12/6/2017 12/19/17
(mm/dd/yyyy)

STORET # G1WA0056

WBID: 1089

Latitude: 30.0972

County: Wakulla

RQ - 2017-12-04-40

ORG ID: 21FLWQA

Longitude: -84.1752

(Decimal Degrees)

Receiving Body of Water: Gulf of Mexico

Field ID: G1WA0056

(Decimal Degrees)

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Ben Ralys					X				☒ Sample Container	☐ Van Dorn	☐ Pole	
Ray Stuart				X		X	X	X	☐ 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 3:46pm Low 9:52am												
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	11:00am	0.3	0.9	90.7	7.74	7.78	19.33	VOB	31156	17.37		
CEN												

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	5A7233030	8/21/18	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <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			

SULFURIC ACID <54%
THERMO FISHER SCIENTIFIC
520 NORTH MAIN STREET
MAINE, OH 44854
1-828-658-2711
Contains 1:1 Sulfuric Acid
Lot No.: 5A7233030
Expires: 08/21/18
See Safety Data Sheet (SDS)

Notes:

Kit-B
Bacteria

STORET / Field ID →
East River Downstream
of Boggy Bayou

Dec 19, 2017



G1WA0056

Place Label Here
(If Available)

Signature:

Date: 12/19/17

Field Parameters Entered into LIMS: 1/3/18
(Initials/Date)

Field Parameters QC in LIMS: Cg 2-1-18
(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)

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

Meter ID: Biology #2

RQ: 2017-12-04-40

Project: SMP

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	12/19/17	7:25	20.70	8.96	8.97	100.0	68.6	-	P/F	L/F
ICV	Ben Ralys	12/19/17	7:27	20.72	8.96	8.96	100.0	68.6	-	P/F	L/F
CCV	Ben Ralys	12/15/17	3:20	22.08	8.74	8.74	100.0	65.5	-	P/F	L/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; 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.	Ben Ralys	12/19/17	7:29	171005D	10/2018	1,000	1,000	P/F	L/F
ICV	Ben Ralys	12/19/17	7:31	171005D	10/2018	1,000	1,000	P/F	L/F
CCV	Ben Ralys	12/19/17	5:21	170614C	6/2018	50,000	49,317	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	12/19/17	7:33	170614B	12/2018	7.0	6.93	26.9	P/F	L/F
Calibr.	Ben Ralys	12/19/17	7:35	171005A	10/2018	4.0	3.98	193.3	P/F	L/F
Calibr.	Ben Ralys	12/19/17	7:38	171005C	4/2019	10.0	9.92	-129.3	P/F	L/F
ICV	Ben Ralys	12/19/17	7:39	171005C	4/2019	10.0	9.88	-129.1	P/F	L/F
CCV	Ben Ralys	12/19/17	3:24	171005A	10/2018	4.0	3.94	193.9	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:

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By:

Field Report Prepared By:

Sampling Agency:

[illegible]

Relinquished By: 	Date/Time 12/19/17 2:37	Shipping Method hand delivered	Number of Coolers Shipped: 2	Received By: 	Date/Time 12/19/17 2:38
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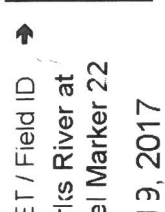
Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: B. R. S. HartField Report Prepared By: Raymond W. HartSampling Agency: WAB FDEP

Location	STORET / Field ID →	Latitude	Longitude	Comp	Grab	Collection (comp begin or grab)	Time	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	Total Res. Chlorine (mg/L)	% sat	Sp. Conductance (umho/cm)	ft	m	Eastern	Central	Composite end	Date	Time	Bottle Group(s) (See pg 2)
Dickson Bay North	Dec 19, 2017			☒ dd	☐ dms	☐ dd	☐ dms													
Dickson Bay South	Dec 19, 2017			☒ dd	☐ dms	☐ dd	☐ dms													
St. Marks River at Channel Marker 60	Dec 19, 2017			☒ dd	☐ dms	☐ dd	☐ dms													A, B
St. Marks River at Channel Marker 22	Dec 13, 2017			☒ dd	☐ dms	☐ dd	☐ dms													A, B

Relinquished By: <u>[Signature]</u>	Date/Time: <u>12/19/17 2:37 PM</u>	Shipping Method: <u>hand delivered</u>	Number of Coolers Shipped: <u>2</u>	Received By: <u>[Signature]</u>	Date/Time: <u>12/19/17 2:38</u>
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Group: A	Bottle Type: ALKALINITY TURBIDITY W-F W-TSS	P-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 7	Preservative: ICE And H2SO4		Enter Number of Bottles Sent to Lab	5
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 7	Preservative: FILTER-ICE		Enter Number of Bottles Sent to Lab	5
Group: B	Bottle Type: ENT-24-QT	P-250ML-WO-THI	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
Group: B	Bottle Type: FCOLI-MF	P-120ML-OC	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5

W-S-A-TP

Total Phosphorus in aqueous matrices as mg P/L

W-TKN

Total Kjeldahl Nitrogen in aqueous matrices

W-TOC

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 7 Preservation: FILTER-ICE

Lot # 55068595

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: 7

Container ID: P-250ML-WO-THI

Qty: 7 Preservation: ICE

Lot # L17142

Description:

Analysis

ENT-24-QT

Description

Enterococci by Enterolert Quanti-Tray method - non-chlorinated water systems

Container ID: P-120ML-OC

Qty: 7 Preservation: ICE

Lot # GF21-TN

Description:

Analysis

FCOLI-MF

Description

Fecal coliforms by membrane filter method - non-chlorinated water systems

Cooler Packed By: AB

Number of Coolers: 3

Date: 11-28-17

☒ 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-2017-12-04-40

Cooler Packing Worksheet for Request: RQ-2017-12-04-40

Dickson Bay, St. Marks

Ship Cooler On: 12/1/2017

Customer/Project: WAS-SECT/SMP

Assigned To: SHAIK_A

Requester: Curtis Musson

Priority: 3

850-245-8453
2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Marine Kit

Group B: Bacteria

Requested Analyses:

Bottle Group: A

of Sites: 7

Container ID: P-1L

Qty: 7 Preservation: ICE

Lot # 00569122

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-F

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO₃/L

Turbidity in aqueous matrices

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 7 Preservation: ICE

Lot # 1208913

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 7 Preservation: ICE And H₂SO₄

Lot # 00568155

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH₃

W-NO₂NO₃

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L