



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

DO

WIN Station Name: East River Downstream of Boggy Bayou

Date: 2/28/2018

WIN/ Field ID: G1WA0056

WBID: 1089

Latitude: 30.0972

(mm/dd/yyyy)

County: Wakulla

ORG ID: 21FLWQA

Longitude: -84.1752

(Decimal Degrees)

Receiving Body of Water: Gulf of Mexico

RQ-2018- 02-26-25

(Decimal Degrees)

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Ralys						X			
Ray Stuart					X		X	X	X

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	

Depth Measured with _____
Equipment ID _____

Collection Method	
☐ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☒ Gasoline Motor

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded

Meter ID# Biology #2

Matrix: Fresh / (Marine) / DI

Photos: Yes / No

Flow: No Flow / Intestinal / Flowing / NA

Tides: Rising / Falling/ Slack/ NA

Tide Times: High 1416 Low 0817

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°)
EST	11:17	1.9	0.3	1.0	5.86	72.0	7.91	17.70	28630	20.30
CEN	11:20		1.4		6.00	73.3	7.93	18.04	29110	20.30

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

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#: 1970749

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	5A7341020	12/07/18	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	10827054		
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-CARB-AA ☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Notes:

Kit-B, C2 Bacteria

East River
Downstream
of Boggy Bayou

WIN -ID ↓ Field ID

G1WA0056

Signature:

Date:

2/28/18

Enter Field Parameters, Verify Station ID in LIMS DMT:

WL 4/11/18

QC Station ID, Field Parameters in LIMS DMT:

see 4/16/18

Scan/Save Field Sheets

4.18.18 CM

Migrate Data to WIN:

Verify Data In WIN:



(Initials/Date)

(Initials/Date)

(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: 2018-02-26-25

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	2/28/18	7:45	20.97	8.932	8.90	99.8	64.5	-	P/F	L/F
ICV	Ben Ralys	2/28/18	7:46	21.03	8.91	8.87	99.7	64.5	-	P/F	L/F
CCV	Ben Ralys	3/1/18	9:16	21.48	8.84	8.40	95.1	63.5	-	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	2/28/18	7:48	171005D	10/2018	1.000	1.000	P/F	L/F
ICV	Ben Ralys	2/28/18	7:49	171005D	10/2018	1.000	1.000	P/F	L/F
CCV	Ben Ralys	3/1/18	9:18	170614C	6/2018	50.000	49.038	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	2/28/18	7:50	170614B	12/2018	7.0	7.00	19.3	P/F	L/F
Calibr.	Ben Ralys	2/28/18	7:52	171005A	10/2018	4.0	4.00	187.8	P/F	L/F
Calibr.	Ben Ralys	2/28/18	7:54	171005C	04/2019	10.0	9.98	198.2	P/F	L/F
ICV	Ben Ralys	2/28/18	7:55	171005C	4/2019	10.0	9.97	-142.3	P/F	L/F
CCV	Ben Ralys	3/1/18	9:21	171005A	10/2018	4.0	4.14	179.5	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: Ben Rabys, Ray Stuart

Field Report Prepared By: Ben Rabys, Ray Stuart

Sampling Agency: FDEP

Location		WIN-ID ↓ Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Dickson Bay North	Matrix (type, e.g., Salt, Fresh, etc)	2/28/18	Time	mg/L	Total Res. Chlorine	Time	(See pg 2)	
WIN/STORET #	G1WA00062	Temp (C)	pH	Sample Depth	% sat	Sp. Conductance (umho/cm)			
Latitude	dd dms	Longitude	dd dms	Comments					
Location		WIN-ID ↓ Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Dickson Bay South	Matrix (type, e.g., Salt, Fresh, etc)	2/28/18	Time	mg/L	Total Res. Chlorine	Time		
WIN/STORET #	G1WA00063	Temp (C)	pH	Sample Depth	% sat	Sp. Conductance (umho/cm)			
Latitude	dd dms	Longitude	dd dms	Comments					
Location		WIN-ID ↓ Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	St. Marks River at Channel Marker 60	Matrix (type, e.g., Salt, Fresh, etc)	2/28/18	Time	mg/L	Total Res. Chlorine	Time		
WIN/STORET #	G1WA00055	Temp (C)	pH	Sample Depth	% sat	Sp. Conductance (umho/cm)			
Latitude	dd dms	Longitude	dd dms	Comments					
Location		WIN-ID ↓ Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	East River Downstream of Boggy Bayou	Matrix (type, e.g., Salt, Fresh, etc)	2/28/18	Time	mg/L	Total Res. Chlorine	Time	A B	
WIN/STORET #	G1WA00056	Temp (C)	pH	Sample Depth	% sat	Sp. Conductance (umho/cm)			
Latitude	30.0972	Longitude	-84.1752	Comments					

Relinquished By: [Signature]	Date/Time: 2/28/18	Shipping Method: HD	Number of Coolers Shipped: 1	Received By: [Signature]	Date/Time: 2/28/18 1555
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Group: A	Bottle Type: ALKALINITY TURBIDITY W-F W-TSS	P-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 4	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type: FCOLI-MF	P-120ML-OC	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab

Cooler Packing Worksheet for Request: RQ-2018-02-26-25

East River, St. Marks, Dickson Bay

Ship Cooler On: 2/23/2018

Customer/Project: WAS-SECT/SMP

Assigned To: REAVES_S

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: 4

Container ID: P-1L

Qty: 4

Preservation: ICE

Lot #

00068075

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: 4

Preservation: ICE

Lot #

1217342

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 4

Preservation: ICE And H₂SO₄

Lot #

0006

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

00070302

Analysis

W-NH₃

W-NO₂NO₃

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

W-S-A-TP

W-TKN

W-TOC

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: 4 Preservation: FILTER-ICE

Lot # 00069732

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: 4

Container ID: P-250ML-WO-THI

Qty: 4 Preservation: ICE

Lot # 417167

Description:

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: P-120ML-OC

Qty: 4 Preservation: ICE

Lot # 6A20-TN

Description:

Analysis

FCOLI-MF

Description

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

Cooler Packed By: 3R

Number of Coolers: 2

Date: 2-21-18

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-2018-02-26-25