



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

pH

WIN Station Name: Swamp Creek upstream of Railroad

Date: 3/15/2018

WIN/ Field ID: G1WA0052

WBID: 427

Latitude: 30.663

(mm/dd/yyyy)

County: Gadsden

ORG ID: 21FLWQA

Longitude: -84.448

(Decimal Degrees)

Receiving Body of Water: Attapulugus Creek

RQ-2018- 03-12-53

(Decimal Degrees)

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Ralys										
Phil Homann										

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

Tide: Rising/ Falling/ Slack NA Tide Times: High NA Low NA

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTH)	Sp COND (µmhos/cm)	Temp. (C°)
EST	1040	0.8	0.3	1003	10.1	102.8	6.87	0.04	87	10.30
CEN					11.52					

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

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#: 1975290

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	SA7341020	12/7/18	☒ <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-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			
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			

Contains: 1.1 H2SO4
Lot No.: SA7341020
Expires: 12/07/18
See Safety Data Sheet (SDS)

Sticker(s) Here

Notes:

Kit-A, Bacteria

group: A, C

Swamp Creek
upstream of
Railroad

WIN ID / FILED ID

G1WA0052

Signature:

Date: 3/16/18

Enter Field Parameters, Verify Station ID In LIMS DMT:

QC Station ID, Field Parameters In LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data In WIN:

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- 2018-03-12-S3

Project: SMP

PH

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	3/15/18	7:11	19.50	9.15	9.18	100.0	52.3	-	(P) / F	(L) / F
ICV	Ben Ralys	3/15/18	7:12	19.50	9.15	9.18	100.0	52.3	-	(P) / F	(L) / F
CCV	Ben Ralys	3/15/18	2:35	22.48	8.67	8.88	102.5	51.2	-	(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	3/15/18	7:14	171005D	10/2018	1,000	1,000	(P) / F	(L) / F
ICV	Ben Ralys	3/15/18	7:14	171005D	10/2018	1,000	1,001	(P) / F	(L) / F
CCV	Ben Ralys	3/15/18	2:37	171005E	10/2018	100	99	(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	3/15/18	7:16	171005B	4/2019	7.0	7.0	1.5	(P) / F	(L) / F
Calibr.	Ben Ralys	3/15/18	7:19	171005A	10/2018	4.0	3.99	175.3	(P) / F	(L) / F
Calibr.	Ben Ralys	3/15/18	7:20	171005C	4/2019	10.0	9.98	-164.8	(P) / F	(L) / F
ICV	Ben Ralys	3/15/18	7:21	171005C	4/2019	10.0	9.97	-164.4	(P) / F	(L) / F
CCV	Ben Ralys	3/15/18	2:38	171005A	10/2018	4.0	3.67	192.7	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:

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Ralys, Phil Homann

Field Report Prepared By: Ben Ralys, Phil Homann

Sampling Agency: FDEP

Location		Swamp Creek		WIN ID / FIELD ID		G1WA0052		Collection (comp begin or grab)		Time		1040		Composite end		Date		Time		Bottle Group(s)	
Field ID								Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		102.8		Total Res. Chlorine							
WIN/STORET #								Temp (C)		pH		6.87		Sp. Conductance (umho/cm)		87				A, C	
Latitude		30.663		Longitude		-84.418		Salinity (ppt)		0.04											
Location		Salem Branch		WIN ID / FIELD ID		G1WA0053		Collection (comp begin or grab)		Time		1030		Composite end		Date		Time		Bottle Group(s)	
Field ID								Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		87.3		Total Res. Chlorine							
WIN/STORET #		SR 159						Temp (C)		pH		7.15		Sp. Conductance (umho/cm)		170				C	
Latitude		30.63082		Longitude		-84.43155		Salinity (ppt)		0.08											
Location		Ochlockonee River		WIN ID / FIELD ID		G1WA0071		Collection (comp begin or grab)		Time		1115		Composite end		Date		Time		Bottle Group(s)	
Field ID								Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		94.7		Total Res. Chlorine							
WIN/STORET #		Old Brainbridge						Temp (C)		pH		6.95		Sp. Conductance (umho/cm)		103				A, B, C	
Latitude		30.5864		Longitude		-84.3571		Salinity (ppt)		0.05											
Location		Ochlockonee River		WIN ID / FIELD ID		G1WA0069		Collection (comp begin or grab)		Time		1215		Composite end		Date		Time		Bottle Group(s)	
Field ID								Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		92.7		Total Res. Chlorine							
WIN/STORET #		Upstream of Tower Rd						Temp (C)		pH		6.77		Sp. Conductance (umho/cm)		107				A, B, C	
Latitude		30.52967		Longitude		-84.38896		Salinity (ppt)		0.05											

Relinquished By: Ben Ralys	Date/Time: 3/15/18	Shipping Method: Delivered	Number of Coolers Shipped: 3	Received By: ABJ	Date/Time: 3-15-18
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Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By:

Ben Balys, Phil Homann

Field Report Prepared By:

Ben Balys, Phil Homann
FDEP

Sampling Agency:

Location		WIN ID / FIELD ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Ocklock nee River	dd	dms	Date	3/15/18	Time	1200	Time	
WIN/STORET #	Downstream of Tower Rd	Matrix (type, e.g., Salt, Fresh, etc)							
Latitude	30.52646	dd	dms	Temp (C)	13.43	pH	6.82	Diss. Oxygen	90.9
Longitude	-84.38821	dd	dms	Salinity (ppt)	0.05	Sample Depth	0.3	Total Res. Chlorine (mg/L)	
Location		WIN ID/Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Harbinwood	dd	dms	Date	3/15/18	Time	950	Time	
WIN/STORET #	Estates Drain	Matrix (type, e.g., Salt, Fresh, etc)							
Latitude	30.5193	dd	dms	Temp (C)	12.13	pH	7.32	Diss. Oxygen	73.0
Longitude	-84.3357	dd	dms	Salinity (ppt)	0.06	Sample Depth	0.1	Total Res. Chlorine (mg/L)	
Location		WIN ID / FIELD ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Ocklock nee River	dd	dms	Date	3/15/18	Time	1330	Time	
WIN/STORET #	Upstream of US 90	Matrix (type, e.g., Salt, Fresh, etc)							
Latitude	30.47573	dd	dms	Temp (C)	14.02	pH	6.61	Diss. Oxygen	92.8
Longitude	-84.40595	dd	dms	Salinity (ppt)	0.05	Sample Depth	0.3	Total Res. Chlorine (mg/L)	
Location		WIN ID/Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Cane/Creek	dd	dms	Date	3/15/18	Time	900	Time	
WIN/STORET #	Upstream of US 90	Matrix (type, e.g., Salt, Fresh, etc)							
Latitude	30.5325	dd	dms	Temp (C)	8.50	pH	6.69	Diss. Oxygen	102.2
Longitude	-83.9501	dd	dms	Salinity (ppt)	0.04	Sample Depth	0.1	Total Res. Chlorine (mg/L)	

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Ben Balys	3/15/18 220	Delivered	3	AB	3-15-18 14:25

Group: A	Bottle Type:	P-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 7	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	7
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 7	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	7
	W-PO4-F						
Group: B	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	6
	W-ICP						
	W-ICPMS						
Group: C	Bottle Type:	P-250ML-WO-THI	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	8
	ECOLI-18QT						
Group: D	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	W-E8321-DI						
	W-E8321-MS						
Group: E	Bottle Type:	QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	PCR-FILTER						
Group: F	Bottle Type:	QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	PCR-BACR						
	PCR-FILTER						

Cooler Packing Worksheet for Request: RQ-2018-03-12-53**Swamp, Salem, Caney, Harbiwood, Ocklock****Ship Cooler On: 3/8/2018****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:

Group A: Freshwater Kit

Group B: Metals

Group C: E. coli

Group D: Tracers

Group E: PCR-Filter

Group F: PCR-FILTER & PCR-BacR

Packing Notes:

No Fedex labels

No Trash Bags

2 submittal forms

1 - case of Nitric Acid

Requested Analyses:**Bottle Group: A****# of Sites: 7****Container ID: P-1L****Qty: 7 Preservation: ICE****Lot #** 55070298**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: 7 Preservation: ICE****Lot #** 1214297**Description: Brown Plastic Bottle 1L****Analysis****Description**

Container ID: P-500ML

Qty: 7

Preservation: ICE And H2SO4

Lot # 05070440

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

AnalysisW-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOCDescriptionAmmonia 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: 7

Preservation: FILTER-ICE

Lot # 05069732

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: 6

Container ID: P-500ML

Qty: 6

Preservation: HNO3

Lot # 05070440

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

AnalysisW-ICP
W-ICPMSDescriptionTotal 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 ProjectsBottle Group: C# of Sites: 8

Container ID: P-250ML-WO-THI

Qty: 8

Preservation: ICE

Lot # L15269

Description:

Analysis

ECOLI-18QT

Description

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

Bottle Group: D# of Sites: 2

Container ID: BG-500ML

Qty: 2 Preservation: ICE

Lot # 00068622

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Bottle Group: E

of Sites: 1

Container ID: QPCR-P-250ML

Qty: 2 Preservation: ICE

Lot # 00069545

Description: 250ml Sterile Nalgene (2)

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Bottle Group: F

of Sites: 1

Container ID: QPCR-P-250ML

Qty: 2 Preservation: ICE

Lot # 00069545

Description: 250ml Sterile Nalgene (2)

Analysis

PCR-BACR

PCR-FILTER

Description

Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction

Preparation of Samples by Filtration and held for qPCR Analysis

Cooler Packed By: ABP

Number of Coolers: 3

Date: 3-8-18

Kit must also include:

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

If Preservation Included:

ID <u>4N0311</u>	Exp <u>12-7-18</u>	Lot # <u>NA7341010</u>
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2018-03-12-53