



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Swamp Creek upstream of Railroad

Date: 6/28/18

(mm/dd/yyyy)

WIN/ Field ID: G1WA0052

WBID: 427

Latitude: 30.663

(Decimal Degrees)

County: Gadsden

ORG ID: 21FLWQA

Longitude: -84.448

(Decimal Degrees)

Receiving Body of Water: Attapulcus Creek

RQ-2018- 05-21-16

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Ralys						X	X	X	X
Will Lasley					X		X		X

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☐ Carboy	☒ Syringe
☐ Dipper	☐ Other
Depth Measured with: <u>poke meter stick</u>	
Equipment ID: _____	

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

Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded					Meter ID# Biology #2			Matrix: <u>Fresh</u> / Marine / DI		
Photos: Yes / <u>No</u>		Flow: No Flow / Intestinal / <u>Flowing</u> / NA			Tide: Rising/ Falling/ Slack/ <u>NA</u>			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 (umhos/cm)	Temp. (C°)
<u>EST</u>	1200	0.5	0.25	100	7.28	88.5	7.20	0.04	85	25.24
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	SA8101020	4/1/19	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um 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-A,
Bacteria

Swamp Creek
upstream of
Railroad

WIN ID / FILED ID

G1WA0052

Signature:

Ben Ralys

Date:

6/28/18

Enter Field Parameters, Verify Station ID In LIMS DMT: 8/10/18

QC Station ID, Field Parameters In LIMS DMT: CM 8-10-18

Scan/Save Field Sheets CM 8-10-18

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)

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

Meter ID: Biology #2

RQ- 2018-05-21-16

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	6/28/18	6:57	22.0	8.74	8.74	100.0	55.3	—	(P) F	(L) F
ICV	Ben Ralys	6/28/18	7:01	22.1	8.72	8.74	100.2	55.3	—	(P) F	(L) F
CCV	Will Lasley	6/28/18	14:55	28.49	7.75	7.82	100.6	57.4	—	(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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	6/28/18	7:03	180326B	4/2019	1,000	1,000	(P) F	(L) F
ICV	Ben Ralys	6/28/18	7:04	180326B	4/2019	999 μ mhos	999	(P) F	(L) F
CCV	Will Lasley	6/28/18	14:57	180326A	4/2019	100 μ mhos	104	(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	6/28/18	7:05	180326D	4/2019	7.0	6.99	20.2	(P) F	(L) F
Calibr.	Ben Ralys	6/28/18	7:06	180326C	4/2019	4.0	4.00	194.5	(P) F	(L) F
Calibr.	Ben Ralys	6/28/18	7:07	171005C	4/2019	10.0	9.96	-143.8	(P) F	(L) F
ICV	Ben Ralys	6/28/18	7:08	171005C	4/2019	10.0	9.94	-142.3	(P) F	(L) F
CCV	Will Lasley	6/28/18	15:00	180326C	4/2019	4.0	3.66	212.6	P / (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:

Salem, Chicken, Godby, Sand, 8, Black, CDD, Swamp, Harbinwood

last revised Jan 25, 2018

Central Laboratory Submittal Form

Customer: WAS-SECT

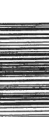
Requester: Curtis Musson

Field Report Prepared By: Ben Rabys, Will Lasley

Project ID: SMP

Collected By: Ben Rabys, Will Lasley

Sampling Agency: FDEP

Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Chicken Branch			Comp Grab	Date 6/28/18	Time 0738	Eastern Central	Date	Time
WIN/STORET #	at Old Plank Rd	GIWA0031		Matrix (type, e.g., Salt, Fresh etc)		Diss. Oxygen	Total Res. Chlorine		
				Fresh		48.5	mg/L		
Latitude	30.3261	dd dms	Longitude	-84.1481	dd dms	Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)
						22.54	7.46	0.25	278
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Eight Mile Pond Middle			Comp Grab	Date 6/28/18	Time 0810	Eastern Central	Date	Time
WIN/STORET #		GIWA0024		Matrix (type, e.g., Salt, Fresh etc)		Diss. Oxygen	Total Res. Chlorine		
				Fresh		57.3	mg/L		
Latitude	30.32635	dd dms	Longitude	-84.30273	dd dms	Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)
						28.43	7.50	0.3	84
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Black Creek upstream of Bloxham Cutoff			Comp Grab	Date 6/28/18	Time 0925	Eastern Central	Date	Time
WIN/STORET #		GIWA0023		Matrix (type, e.g., Salt, Fresh etc)		Diss. Oxygen	Total Res. Chlorine		
				Fresh		74.6	mg/L		
Latitude	30.2792	dd dms	Longitude	-84.3858	dd dms	Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)
						24.51	4.18	0.25	48
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Sand Pond Middle			Comp Grab	Date 6/28/18	Time 0855	Eastern Central	Date	Time
WIN/STORET #		GIWA0044		Matrix (type, e.g., Salt, Fresh etc)		Diss. Oxygen	Total Res. Chlorine		
				Fresh		109.2	mg/L		
Latitude	30.334	dd dms	Longitude	-84.387	dd dms	Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)
						30.68	6.41	0.3	15

Relinquished By: WL

Date/Time 6/28/18 1430

Shipping Method

Number of Coolers Shipped: 4

Received By: ARB

Date/Time 6-28-18 1448

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Ralys, Will Lasley

Field Report Prepared By: Ben Ralys, Will Lasley

Sampling Agency: FDEP

Location		WIN ID / FIELD ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	WIN/STORET #	Matrix (type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Diss. Oxygen	Sample Depth	Total Res. Chlorine	Time	
Central Drainage Ditch (downstream of Orange Ave.	30.4095	28.93	7.83	0.1	84.7	132			B, D, E
Godby Drainage at Progress Dr.	30.444661	26.74	7.24	0.1	56.7	164			B
Salem Branch downstream of SR 153	30.63082	32.13	8.80	0.15	89.3	321			A
Swamp Creek upstream of Railroad	30.663	25.24	7.20	0.04	88.5	85			B

Relinquished By: W	Date/Time: 6/28/18 1430	Shipping Method: 4	Number of Coolers Shipped: 4	Received By: (signature)	Date/Time: 6-28-18 1430
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Sampling Agency:

Relinquished By: WL	Date/Time 6/28/18	Shipping Method 1430	Number of Coolers Shipped: 4	Received By: 	Date/Time 6-28-18 11:44
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Date/Time

Group: A	Bottle Type: P-250ML-WO-THI ECOLI-18QT	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: P-1L ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	# of Bottles: 7	Preservative: ICE	Enter Number of Bottles Sent to Lab	7
Group: B	Bottle Type: BP-1L CHLSUITE-W	# of Bottles: 7	Preservative: ICE	Enter Number of Bottles Sent to Lab	7
Group: B	Bottle Type: P-250ML-WO-THI ECOLI-18QT	# of Bottles: 7	Preservative: ICE	Enter Number of Bottles Sent to Lab	7
Group: B	Bottle Type: P-500ML W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	# of Bottles: 7	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	7
Group: B	Bottle Type: P-125ML W-PO4-F	# of Bottles: 7	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	7
Group: C	Bottle Type: QPCR-P-500ML PCR-FILTER	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: C	Bottle Type: BG-500ML W-E8321-DI W-E8321-MS	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: D	Bottle Type: P-500ML W-ICP W-ICPMS	# of Bottles: 2	Preservative: HNO3	Enter Number of Bottles Sent to Lab	2
Group: E	Bottle Type: BG-500ML	# of Bottles: 1	Preservative: CH2ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	1

H2SO4
LOT# S93101020
EXP: 04/11/2019

Lot: NA-7261120
Exp: 09/18/18

Group: E	Bottle Type: W-CARB-AA	BG-500ML	# of Bottles: 1	Preservative:	CH2ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	1
Group: E	Bottle Type: W-CT-CI-R W-PCL-SQ-R	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
Group: E	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: E	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4

Cooler Packing Worksheet for Request: RQ-2018-05-21-16
Salem, Chicken, Godby, Sand, 8, Black, CDD, Swamp, Harbinwood

Ship Cooler On: 5/17/2018
Customer/Project: WAS-SECT/SMP

Assigned To: REYNOLDS_T
Requester: Curtis Musson
Priority: 3

850-245-8453
2600 Blair Stone Rd

Tallahassee, FL 32399
Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: E.coli
Group B: E. coli, Nutrients
Group C: Tracers, Markers
Group D: Metals
Group E: Pesticides

Requested Analyses:

Bottle Group: A

of Sites: 2

Container ID: P-250ML-WO-THI

Qty: 2 Preservation: ICE

Lot # 618006

Description:

Analysis

ECOLI-18QT

Description

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

Bottle Group: B

of Sites: 7

Container ID: P-1L

Qty: 7 Preservation: ICE

Lot # 00070298

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 using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 7 Preservation: ICE

Lot # 1223623

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-250ML-WO-THI

Qty: 7 Preservation: ICE

Lot # L18006

Description:

Analysis

ECOLI-18QT

Description

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

Container ID: P-500ML

Qty: 7 Preservation: ICE And H2SO4

Lot # 00070684

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: 7 Preservation: FILTER-ICE

Lot # 00070886

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: C

of Sites: 2

Container ID: QPCR-P-500ML

Qty: 2 Preservation: ICE

Lot # 00070172

Description: 500ml Sterile Nalgene

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Container ID: BG-500ML

Qty: 2 Preservation: ICE

Lot # 00070845

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: D

of Sites: 2

Container ID: P-500ML

Qty: 2 Preservation: HNO3

Lot # 00070845

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

Bottle Group: E

of Sites: 1

Container ID: BG-500ML

Qty: 1 Preservation: CH2ClCOOH Pre-Preserved

Lot # 00070845

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CARB-AA

Description

Carbamates in water matrices by HPLC/MS/MS

Container ID: BG-500ML

Qty: 4 Preservation: ICE

Lot # 00070845

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CT-CI-R

W-PCL-SQ-R

Description

Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization

Organochlorine pesticides in water matrices by GC/MS-SIM

Container ID: BG-500ML

Qty: 1 Preservation: ICE

Lot # 00070845

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

Container ID: BG-1L

Qty: 4 Preservation: ICE

Lot # 00069664

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS

Cooler Packed By: Tyler R.

Number of Coolers: 4

Date: 05/14/18

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags/Zip Ties
- ☒ Acid Labels (sets of 24)

If Preservation Included:

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

PLEASE RETURN ALL COOLERS FOR RQ-2018-05-21-16