



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Salem Branch Downstream of SR 159

Date: 6/28/18

WIN/ Field ID: G1WA0053

WBID: 480

Latitude: 30.63082

(mm/dd/yyyy)

County: Gadsden

ORG ID: 21FLWQA

Longitude: -84.43155

(Decimal Degrees)

Receiving Body of Water: Little River

RQ-2018- 05-21-16

(Decimal Degrees)

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Ben Ralys							X	X	NA	NA		☒ Sample Container	☐ Van Dorn	☒ Pole	
Will Lasley						X	X	X	NA	NA		☐ Carboy	☒ Syringe		
												☐ Dipper	☐ Other		
												Depth Measured with <u>pot 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 (µmhos/cm)	Temp. (C°)					
<u>EST</u>	1135	0.3	0.15	VOB	6.51	89.3	8.80	0.15	321	32.13					
CEN															
Biological Samples Collected: <u>None</u> 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			☐ <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-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					☐ Ice									
	☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R					☐ Other									

Notes:

Bacteria
water very green/algae

Salem Branch
downstream of
SR 159

WIN ID / Field ID



G1WA0053

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: CN 8-10-18

Scan/Save Field Sheets CN 8-10-18

Migrate Data to WIN: (Initials/Date)

Verify Data In WIN: (Initials/Date)

(Initials/Date)

(Initials/Date)

(Initials/Date)

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

boldly "X" this box where 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	1455	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	999	(P) F	(L) F
CCV	Will Lasley	6/28/18	1457	180326A	4/2019	100	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	1500	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

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)	Date	Time	Diss. Oxygen	Total Res. Chlorine	mg/L	% sat	(See pg 2)
Chicken Branch at Old Plank Rd		Fresh		6/28/18	0738	48.5	0.25	278	A, C
Latitude	30.3261	dd dms	Longitude	-84.1481	dd dms	Salinity (ppt)	0.13		
Eight Mile Pond Middle		Fresh		6/28/18	0810	57.3	0.3	84	B
Latitude	30.32635	dd dms	Longitude	-84.30273	dd dms	Salinity (ppt)	0.04		
Black Creek upstream of Bloxham Cutoff		Fresh		6/28/18	0925	74.6	0.25	48	B
Latitude	30.2792	dd dms	Longitude	-84.3858	dd dms	Salinity (ppt)	0.02		
Sand Pond Middle		Fresh		6/28/18	0855	109.2	0.3	15	B
Latitude	30.334	dd dms	Longitude	-84.387	dd dms	Salinity (ppt)	0.01		

Relinquished By: WL

Date/Time: 6/28/18 1430

Shipping Method

Number of Coolers Shipped: 4

Received By: ARB

Date/Time: 6-28-18 14:48

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Raby, Will Lasley

Field Report Prepared By: Ben Raby, Will Lasley

Sampling Agency: FDEP

Location		WIN ID / FIELD ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Central Drainage	WIN ID / FIELD ID		Date	6/28/18	Time	1008	Date	
WIN/STORET #	Ditch downstream of Orange Ave.		G1WA0026	Matrix (type, e.g., Salt, Fresh, etc)	Fresh	Diss. Oxygen	84.7	Total Res. Chlorine	B, D, E
Latitude	30.4095	dd dms		Temp (C)	28.93	pH	7.83	Sample Depth	0.1
Longitude	-84.3073	dd dms		Salinity (ppt)	0.06	Sp. Conductance (umho/cm)	132		
Location		WIN ID / FIELD ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Godby Drainage at Progress Dr.	WIN ID / FIELD ID		Date	6/28/18	Time	1046	Date	
WIN/STORET #			G1WA0061	Matrix (type, e.g., Salt, Fresh, etc)	Fresh	Diss. Oxygen	56.7	Total Res. Chlorine	B
Latitude	30.444661	dd dms		Temp (C)	26.74	pH	7.21	Sample Depth	0.1
Longitude	-84.344711	dd dms		Salinity (ppt)	0.08	Sp. Conductance (umho/cm)	164		
Location		WIN ID / FIELD ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Salem Branch downstream of SR 151	WIN ID / FIELD ID		Date	6/28/18	Time	1135	Date	
WIN/STORET #			G1WA0053	Matrix (type, e.g., Salt, Fresh, etc)	Fresh	Diss. Oxygen	89.3	Total Res. Chlorine	A
Latitude	30.63082	dd dms		Temp (C)	32.13	pH	8.80	Sample Depth	0.15
Longitude	-84.43155	dd dms		Salinity (ppt)	0.15	Sp. Conductance (umho/cm)	321		
Location		WIN ID / FIELD ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Swamp Creek upstream of Railroad	WIN ID / FIELD ID		Date	6/28/18	Time	1200	Date	
WIN/STORET #			G1WA0052	Matrix (type, e.g., Salt, Fresh, etc)	Fresh	Diss. Oxygen	88.5	Total Res. Chlorine	B
Latitude	30.663	dd dms		Temp (C)	25.24	pH	7.20	Sample Depth	0.25
Longitude	-84.448	dd dms		Salinity (ppt)	0.04	Sp. Conductance (umho/cm)	85		

Relinquished By: W

Date/Time

6/28/18 1430

Shipping Method

Number of Coolers Shipped: 4

Received By: (signature)

Date/Time

6-28-18 1430

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

Sampling Agency:

[illegible]

Relinquished By: WL	Date/Time 6/28/18	Shipping Method 1430	Number of Coolers Shipped: 4	Received By: 	Date/Time 6-28-18 / 11:40
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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:	CH ₂ ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	1
Group: E	Bottle Type: W-CT-Cl-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 # 00076298

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