FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified? Yes / (No)

WIN Station Name: G1WA0087 ✓ **Date:** 9/18/19 ✓ (mm/dd/yyyy)

WIN/ Field ID: Willacoochee Creek at 161 **WBID:** 410 **Latitude:** 30.0374 (Decimal Degrees)

County: Gadsden **ORG ID:** 21FLWQA **Longitude:** -84.5008 (Decimal Degrees)

Receiving Body of Water: Little River **RQ-** 2019-05-06-26

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Avril Wood-McGrath	☒		☒	☒	☒
Curtis Musson		☒			

Sampling Equipment
- ☒ Sample Container ☐ Van Dorn ☐ Pole
- ☐ Carboy ☒ Syringe
- ☐ Dipper ☐ Other
- Depth Measured with meth stick
- Equipment ID

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

Water Level: Dry/ Pooled/ Low / (Normal) / High / Flooded **Meter ID#** 18J104543 **Matrix:** (Fresh) / Marine / DI

Photos: Yes / (No) **Flow:** No Flow / Intestital / (Flowing) / NA **Tide:** Rising/ Falling/ Slack/ (NA) **Tide Times:** High ____ Low ____

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)	11:19 ✓	0.3 ✓	0.15	VOB	7.50 ✓	90.2 ✓	6.50 ✓	0.03 ✓	67.9 ✓	24.7 ✓
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 ☒ H_2SO_4	SA9010030	4/10/20	☒ <2
Metals ✓	☐ W-ICPMS ☒ W-ICP	☒ Ice ☐ HNO_3	NA9129070	5/9/20	☐ <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-BR-IC / 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-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			

Contains: 1:1 HNO3 Lot No. NA9129070 Expires: 05/09/20 See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4 Lot No. SA9010030 Expires: 04/10/20 See Safety Data Sheet (SDS)

Notes:

WIN ID / FILED ID → G1WA0087

Location Willacoochee Creek at 161

Signature: [signature] **Date:** 9/23/19

LIMS EVENT ID: WIN-SECT-2019-09-18-01 **WIN Import ID:**

Enter Field Parameters, Verify Station ID In LIMS DMT: [signature] 9/24/19 (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** KWM 10/18/19 (Initials/Date)

Scan/Save Field Sheets (Initials/Date) **Migrate Data to WIN:** (Initials/Date) **Verify Data In WIN:** (Initials/Date)

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

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

Meter ID: 19J104543 **RQ-** 2019-05-06-26 **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.

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification _____

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Ami Wood-McGrath	9/18/19	7:00	21.2	755.5	8.880	8.86	99.8			(P) / F	(L) F
ICV	↓	9/18/19	7:07	21.2	755.5	8.880	8.86	99.8			(P) / F	(L) / F
CCV	↓	9/18/19	15:25	23.2	754.6	8.546	8.55	100.0			(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 (Pro DSS 0.75 to 1.50); 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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Ami Wood-McGrath	9/18/19	7:09	1906181F	6/2020	1000	1000	(P) / F	(L) / F
ICV	↓	↓	7:13	2908C81	8/2021	100	99.3	(P) / F	(L) / F
CCV	↓	↓	15:27	2908C81	8/2021	100	100.9	(P) / F	(L) F
CCV			15:30	1906181F	6/2020	1000	1000	(P) / F	(L) F

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Ami Wood-McGrath	9/18/19	7:15	190618B	12/2020	7.02	22.0	7.02		(P) / F	(L) / F
Calibr.	↓	↓	7:16	190618A	12/2020	4.00	22.3	4.00		(P) / F	(L) / F
Calibr.	↓	↓	7:17	190618C	12/2020	10.05	22.4	10.05		(P) / F	(L) / F
ICV	↓	↓	15:32	190618C	12/2020	10.05	22.4	9.98		(P) / F	(L) / F
CCV	↓	↓	15:35	190618A	12/2020	4.00	22.4	4.12		(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 ± 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)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)
If **YES**, complete daily Calibr. & ICV below and list date of last quarterly depth verification: _____
If **NO**, what will be used? (circle one) **Secchi Disk Line / Sonar** Unique ID: _____; Date of last 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 ± 5 % or ± 0.05m, whichever is greater.

COMMENTS:

Form effective August 1, 2018

Request Number: RQ-2019-05-06-26

G1 Streams

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Curtis Musson / Anil Wood-MSouth

Field Report Prepared By: Anil Wood-MSouth

Sampling Agency: FDEP

Location

WIN ID / FILED ID → G1WA0018

Field ID

WIN/STORET # Location: Quincy Creek 100 meters upstream of Ralph Strong Rd

A

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 9/18/19 Time 12:04 Eastern Central | Composite end Date — Time —

Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh

Diss. Oxygen: 97.5 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L) —

Temp (C): 25.1 | pH: 7.11 | Sample Depth: 0.15 ☐ ft ☒ m | Sp. Conductance (umho/cm): 63.4

Salinity (ppt): 0.03 | Comments:

Location

WIN ID / FILED ID → G1WA0052

B

Field ID

WIN/STORET # Location: Swamp Creek upstream of Railroad

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 9/18/19 Time 10:21 Eastern Central | Composite end Date — Time —

Bottle Group(s): B

Matrix (type, e.g., Salt, Fresh, etc): Fresh

Diss. Oxygen: 82.9 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L) —

Temp (C): 24.1 | pH: 6.63 | Sample Depth: 0.1 ☐ ft ☒ m | Sp. Conductance (umho/cm): 89.2

Salinity (ppt): 0.04 | Comments:

Location

WIN ID / FILED ID → G1WA0060

C

Field ID

WIN/STORET # Location: Caney Creek Downstream of 158A

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 9/18/19 Time 8:31 Eastern Central | Composite end Date — Time —

Bottle Group(s): C

Matrix (type, e.g., Salt, Fresh, etc): Fresh

Diss. Oxygen: 74.5 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L) —

Temp (C): 24.1 | pH: 7.19 | Sample Depth: 0.1 ☐ ft ☐ m | Sp. Conductance (umho/cm): 297.0

Salinity (ppt): 0.14 | Comments:

Location

WIN ID / FILED ID → G1WA0005

D

Field ID

WIN/STORET # Location: Tanyard Branch 100 meters upstream of Ralph Strong Rd.

Latitude ☐ dd ☒ dms | Longitude ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 9/18/19 Time 12:36 Eastern Central | Composite end Date — Time —

Bottle Group(s): D

Matrix (type, e.g., Salt, Fresh, etc): FRESH

Diss. Oxygen: 71.9 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L) —

Temp (C): 26.3 | pH: 6.59 | Sample Depth: 0.2 ☐ ft ☒ m | Sp. Conductance (umho/cm): 291.3

Salinity (ppt): 0.14 | Comments:

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
AMW	9/18/19 15:09	HD	5		9/18/19 1509

Request Number: RQ-2019-05-06-26

G1 Streams

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WAS-SECT Requester: Curtis Musson Field Report Prepared By:

Project ID: SMP Collected By: Sampling Agency:

Location: WIN ID / FILED ID → G1WA0049 (1) D

Field ID:

WIN/STORET #: Location: Quincy Creek upstream of SR 65

Latitude ☐dd ☐dms | Longitude ☐dd ☐dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 9/18/19 Time 13:19 Eastern Central | Composite end Date — Time — | Bottle Group(s) (See pg 2): D

Matrix (type, e.g., Salt, Fresh, etc): FRESH | Diss. Oxygen: 93.9 ☐ mg/L ☑ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 25.3 | pH: 6.24 | Sample Depth: 0.25 ☐ ft ☒ m | Sp. Conductance (umho/cm): 61.1

Salinity (ppt): 0.03 | Comments:

Location: WIN ID / FILED ID → G1WA0086 D

Field ID:

WIN/STORET #: Location: Little River at Highbridge Road

Latitude ☐dd ☐dms | Longitude ☐dd ☐dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 9/18/19 Time 13:59 Eastern Central | Composite end Date — Time — | Bottle Group(s): D

Matrix (type, e.g., Salt, Fresh, etc): FRESH | Diss. Oxygen: 81.5 ☐ mg/L ☑ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 26.1 | pH: 6.49 | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): 84.7

Salinity (ppt): 0.04 | Comments:

Location: WIN ID / FILED ID → G1WA0087 D

Field ID:

WIN/STORET #: Location: Willacoochee Creek at 161

Latitude ☐dd ☐dms | Longitude ☐dd ☐dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 9/18/19 Time 11:19 Eastern Central | Composite end Date — Time — | Bottle Group(s): D

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen: 90.2 ☐ mg/L ☑ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 24.7 | pH: 6.50 | Sample Depth: 0.15 ☐ ft ☒ m | Sp. Conductance (umho/cm): 67.9

Salinity (ppt): 0.03 | Comments:

Location:

Field ID:

WIN/STORET #:

Latitude ☐dd ☐dms | Longitude ☐dd ☐dms

☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time Eastern Central | Composite end Date Time | Bottle Group(s):

Matrix (type, e.g., Salt, Fresh, etc): | Diss. Oxygen: ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L):

Temp (C): | pH: | Sample Depth: ☐ ft ☐ m | Sp. Conductance (umho/cm):

Salinity (ppt): | Comments:

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
AWM	9/18/19 15:09	HD	5		9/18/19 1509

Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ECOLI-18QT						
Group: A	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	PCR-HF183						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	CH2CICOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	1
	W-CARB-AA						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	W-CT-CI-R W-PCL-SQ-R						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	W-E8321-DI W-E8321-MS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP W-ICPMS				HNO3 LOT# NA9099030 EXP: 04/09/20		
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC				H2SO4 LOT# SA9010030 EXP: 04/10/2020		

Group: A	Bottle Type: P-125ML W-PO4-F	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: BG-1L W-PSNP-TQ	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
Group: B	Bottle Type: P-1L ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: BP-1L CHLSUITE-W	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: P-250ML-WO-THI ECOLI-18QT	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: BG-500ML W-CARB-AA	# of Bottles: 1	Preservative:	CH2ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: BG-500ML W-CT-CI-R W-PCL-SQ-R	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: BG-500ML W-E8321-DI W-E8321-MS	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: P-500ML W-ICP W-ICPMS	# of Bottles: 1	Preservative:	HNO3 HN03 LOT# NA9099030 EXP: 04/09/20	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: P-500ML W-NH3 W-NO2NO3 W-S-A-TP	# of Bottles: 1	Preservative:	ICE And H2SO4 H2S04 LOT# SA9010030 EXP: 04/10/2020	Enter Number of Bottles Sent to Lab	1

Group: B	Bottle Type: P-500ML W-TKN W-TOC	# of Bottles: 1	Preservative: ICE And H2SO4 H2S04 LOT# SA9010030 EXP: 04/10/2020		Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: P-125ML W-PO4-F	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: BG-1L W-PSNP-TQ	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: C	Bottle Type: P-1L ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: BP-1L CHLSUITE-W	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: P-250ML-WO-THI ECOLI-18QT	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: QPCR-P-500ML PCR-BACR	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: BG-500ML W-CARB-AA	# of Bottles: 1	Preservative:	CH2ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: BG-500ML W-CT-CI-R W-PCL-SQ-R	# 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: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: P-500ML W-ICP	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1

Group: C	Bottle Type: P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab	1	
	W-ICPMS		HN03 LOT# NA9099030 EXP: 04/09/20			
Group: C	Bottle Type: P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	1	
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC		H2S04 LOT# SA9010030 EXP: 04/10/2020			
Group: C	Bottle Type: P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	1	
	W-PO4-F					
Group: C	Bottle Type: BG-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2	
	W-PSNP-TQ					
Group: D	Bottle Type: P-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	4	
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS					
Group: D	Bottle Type: BP-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	4	
	CHLSUITE-W					
Group: D	Bottle Type: P-250ML-WO-THI	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	4	
	ECOLI-18QT					
Group: D	Bottle Type: P-500ML	# of Bottles: 2	Preservative: HNO3	Enter Number of Bottles Sent to Lab	4	
	W-ICP W-ICPMS		HN03 LOT# NA9099030 EXP: 04/09/20			
Group: D	Bottle Type: P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	4	
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN		H2S04 LOT# SA9010030 EXP: 04/10/2020			

Group: D	Bottle Type: W-TOC	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab**	4
Group: D	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	**Enter Number of Bottles Sent to Lab**	4

Cooler Packing Worksheet for Request: RQ-2019-05-06-26
G1 Streams
Ship Cooler On: 5/3/2019
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

Please return packing list with sample submittal forms.

Comments:
No preservatives needed.

Group A: Quincy Creek 1303A
Nutrients, Metals, PCR-HF183, Pesticides, E.coli

Group B: Swamp Creek 427
Nutrients, Metals, Pesticides, E.coli

Group C: Caney Creek, 716
Nutrients, Metals, PCR-BacR, Pesticides, E.coli

Group D: Quincy Creek (Upstream). 1303 & Tanyard Branch 595
Nutrients, Metals, E. coli

Packing Notes:
No FedEx labels
No Trash Bags

Requested Analyses:

Bottle Group: A **# of Sites: 1**

Container ID: P-1L **Qty: 1** **Preservation: ICE** **Lot #** 73854

Description: Plastic Bottle 1L

Analysis	Description
ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Sulfate in aqueous matrices
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L **Qty: 1** **Preservation: ICE** **Lot #** 448430

Description: Brown Plastic Bottle 1L

Analysis	Description
CHLSUITE-W	Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

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Container ID: P~~250~~120ML-WO-THI **Qty: 1~~2~~** **Preservation: ICE** **Lot #** GA 21-TN

Description: 250 ml Sterilized no tablet

Analysis	Description
ECOLI-18QT	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

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Container ID: QPCR-P-500ML **Qty: 1** **Preservation: ICE** **Lot #** 0070172

Description: 500ml Sterile Nalgene Affix PCR Instruction Label to container

Analysis	Description
PCR-HF183	Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

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Container ID: BG-500ML **Qty: 1** **Preservation: CH2ClCOOH Pre-Preserved** **Lot #** 0070 72340

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-CARB-AA	Carbamates in water matrices by HPLC/MS/MS

Container ID: BG-500ML **Qty: 4** **Preservation: ICE** **Lot #** 0070 72340

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-CT-CI-R	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization
W-PCL-SQ-R	Organochlorine pesticides in water matrices by GC/MS-SIM

Container ID: BG-500ML **Qty: 1** **Preservation: ICE** **Lot #** 0070 72340

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-E8321-DI	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML **Qty: 1** **Preservation: HNO3** **Lot #** 72877

Description: Plastic Bottle 500 mL Affix RED nitric acid dot to container.

Analysis	Description
W-ICP	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
W-ICPMS	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML **Qty: 1** **Preservation: ICE And H2SO4** **Lot #** 72877

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Nitrite/Nitrate in aqueous matrices as mg N/L
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: 1** **Preservation: FILTER-ICE** **Lot #** 72954

Description: Plastic Bottle 125 mL

Analysis	Description
W-PO4-F	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Container ID: BG-1L **Qty: 4** **Preservation: ICE** **Lot #** 73598

Description: Brown Glass Bottle 1L Affix BLUE dot to container.

Analysis	Description
W-PSNP-TQ	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

Bottle Group: B # of Sites: 1

Container ID: P-1L **Qty: 1** **Preservation: ICE** **Lot #** 73854

Description: Plastic Bottle 1L

Analysis	Description
ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L

TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Sulfate in aqueous matrices
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L **Qty: 1** **Preservation: ICE** **Lot #** L47820

Description: Brown Plastic Bottle 1L

Analysis	Description
CHLSUITE-W	Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: ~~P-250ML~~-WO-THI **Qty: 1** **Preservation: ICE** **Lot #** GA21TN

Description: 250 ml Sterilized no tablet

Analysis	Description
ECOLI-18QT	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: BG-500ML **Qty: 1** **Preservation: CH2ClCOOH Pre-Preserved** **Lot #** 0072340

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-CARB-AA	Carbamates in water matrices by HPLC/MS/MS

Container ID: BG-500ML **Qty: 2** **Preservation: ICE** **Lot #** 0072340

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-CT-CI-R	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization
W-PCL-SQ-R	Organochlorine pesticides in water matrices by GC/MS-SIM

Container ID: BG-500ML **Qty: 1** **Preservation: ICE** **Lot #** 0072340

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-E8321-DI	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML **Qty: 1** **Preservation: HNO3** **Lot #** 0072877

Description: Plastic Bottle 500 mL Affix RED nitric acid dot to container.

Analysis	Description
W-ICP	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
W-ICPMS	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

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Container ID: P-500ML **Qty: 1** **Preservation: ICE And H2SO4** **Lot #** 0072877

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Nitrite/Nitrate in aqueous matrices as mg N/L
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: 1** **Preservation: FILTER-ICE** **Lot #** 0072954

Description: Plastic Bottle 125 mL

Analysis	Description
W-PO4-F	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Container ID: BG-1L **Qty: 2** **Preservation: ICE** **Lot #** 0073598

Description: Brown Glass Bottle 1L Affix BLUE dot to container.

Analysis	Description
W-PSNP-TQ	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

Bottle Group: C **# of Sites: 1**

Container ID: P-1L **Qty: 1** **Preservation: ICE** **Lot #** 0073854

Description: Plastic Bottle 1L

Analysis	Description
ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Turbidity in aqueous matrices

W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Sulfate in aqueous matrices
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L **Qty: 1** **Preservation: ICE** **Lot #** L48230

Description: Brown Plastic Bottle 1L

Analysis	Description
CHLSUITE-W	Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P~~-250ML~~-WO-THI 120 **Qty:** 2 **Preservation: ICE** **Lot #** GF 21-TN

Description: 250 ml Sterilized no tablet

Analysis	Description
ECOLI-18QT	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: QPCR-P-500ML **Qty: 1** **Preservation: ICE** **Lot #** [illegible]172

Description: 500ml Sterile Nalgene Affix PCR Instruction Label to container

Analysis	Description
PCR-BACR	Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction

Container ID: BG-500ML **Qty: 1** **Preservation: CH2ClCOOH Pre-Preserved** **Lot #** [illegible]

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-CARB-AA	Carbamates in water matrices by HPLC/MS/MS

Container ID: BG-500ML **Qty: 2** **Preservation: ICE** **Lot #** [illegible]

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-CT-CI-R	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization
W-PCL-SQ-R	Organochlorine pesticides in water matrices by GC/MS-SIM

Container ID: BG-500ML **Qty: 1** **Preservation: ICE** **Lot #** 572347

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-E8321-DI	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML **Qty: 1** **Preservation: HNO3** **Lot #** 572877

Description: Plastic Bottle 500 mL Affix RED nitric acid dot to container.

Analysis	Description
W-ICP	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
W-ICPMS	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

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Container ID: P-500ML **Qty: 1** **Preservation: ICE And H2SO4** **Lot #** 572877

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Nitrite/Nitrate in aqueous matrices as mg N/L
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: 1** **Preservation: FILTER-ICE** **Lot #** 572954

Description: Plastic Bottle 125 mL

Analysis	Description
W-PO4-F	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Container ID: BG-1L **Qty: 2** **Preservation: ICE** **Lot #** 573598

Description: Brown Glass Bottle 1L Affix BLUE dot to container.

Analysis	Description
W-PSNP-TQ	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

Bottle Group: D # of Sites: 2

Container ID: P-1L **Qty: 2** **Preservation: ICE** **Lot #** 0073854

Description: Plastic Bottle 1L

Analysis	Description
ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Sulfate in aqueous matrices
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

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Container ID: BP-1L **Qty: 2** **Preservation: ICE** **Lot #** 0248230

Description: Brown Plastic Bottle 1L

Analysis	Description
CHLSUITE-W	Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

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Container ID: ~~P-250ML~~-WO-THI (120) **Qty: 2** (4) **Preservation: ICE** **Lot #** GP-21-TN

Description: 250 ml Sterilized no tablet

Analysis	Description
ECOLI-18QT	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

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Container ID: P-500ML **Qty: 2** **Preservation: HNO3** **Lot #** 0072877

Description: Plastic Bottle 500 mL Affix RED nitric acid dot to container.

Analysis	Description
W-ICP	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
W-ICPMS	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

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Container ID: P-500ML **Qty: 2** **Preservation: ICE And H2SO4** **Lot #** 0072877

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Nitrite/Nitrate in aqueous matrices as mg N/L

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: 2** **Preservation: FILTER-ICE** **Lot #** 0007b954

Description: Plastic Bottle 125 mL

Analysis	**Description**
W-PO4-F	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Cooler Packed By: [signature] Number of Coolers: 5 Date: 5-6-19

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 MCA	Exp 6-16-20	Lot # 0830
ID	Exp	Lot #
ID	Exp	Lot #
ID	Exp	Lot #
ID	Exp	Lot #

PLEASE RETURN ALL COOLERS FOR RQ-2019-05-06-26