



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

Data Qualified?

Yes / No

WIN Station Name:

G1WA0005

Quincey Creek 100 meters upstream of RPS

Date:

9/18/19

(mm/dd/yyyy)

WIN/ Field ID:

Tanyard Branch 100 m of Ralph St

WBID:

429

Latitude: 30.5832

(Decimal Degrees)

County:

GADSDEN

ORG ID:

21FLWQA

Longitude: -84.5519

(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 <u>net 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# <u>180104543</u>					Matrix: <u>Fresh</u> / Marine / DI									
Photos: Yes / No					Flow: No Flow / Intestinal / <u>Flowing</u> / NA					Tide: Rising/ Falling/ Slack/ <u>NA</u>					Tide Times: High — Low —				
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)									
EST	12:04	0.3	0.15	VOB	47.5	97.5	7.11	0.03	63.4	25.1									
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	84900030	4/10/20	☐ 2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☐ HNO3	NA9019030	4/9/20	☐ 2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um 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	☒ Ice			
	☒ 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	☒ Ice			
	☒ W-PCL-SQ-R ☒ WE8321-MS ☒ W-CARB-AA	☒ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			

Notes: <u>Field sheets were switched and corrected by Ann 9/23/19</u>	WIN ID / FILED ID → <u>G1WA0005</u>
Signature: <u>[Signature]</u>	Location: <u>Quincey Tanyard Branch 100 meters upstream of Ralph Strong Rd.</u>
	Date: <u>9/23/19</u>

LIMS EVENT ID: WAS-SECT-2019-09-19-01

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT:

9/24/19

QC Station ID, Field Parameters In LIMS DMT:

PJM/AN 10/18/19

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: 18T104543

RQ: 2019-05-06-26

Project: SNAP

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	8.846	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	190618F	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	190618F	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:

**Florida Department of Environmental Protection
Central Laboratory Submittal Form**

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Field Report Prepared By:

Sampling Agency:

Collected By: Car-His Musson / April Wood-Inspeath

Location	Field ID	WIN ID / FILED ID	Quincy Creek 100 meters upstream of Ralph Strong Rd	G1WA0018	WIN ID / FILED ID	Longitude	dd	dms	dd	dms	Salinity (ppt)	0.03	Temp (C)	25.1	pH	7.11	Sample Depth	0.15	ft	0.15	Sp. Conductance (umho/cm)	63.4	Composite end	Central	Eastern	Date	12:04	Time	12:04	Diss. Oxygen	97.5	mg/L	Total Res. Chlorine	—	% sat	—	Bottle Group(s)	A
WIN/STORET #	Latitude	Field ID	WIN/STORET #	Longitude	dd	dms	dd	dms	dd	dms	Salinity (ppt)	0.03	Temp (C)	25.1	pH	7.11	Sample Depth	0.15	ft	0.15	Sp. Conductance (umho/cm)	63.4	Composite end	Central	Eastern	Date	12:04	Time	12:04	Diss. Oxygen	97.5	mg/L	Total Res. Chlorine	—	% sat	—	Bottle Group(s)	A
Location	Field ID	WIN ID / FILED ID	Swamp Creek upstream of Railroad	G1WA0052	WIN ID / FILED ID	Longitude	dd	dms	dd	dms	Salinity (ppt)	0.04	Temp (C)	24.1	pH	6.63	Sample Depth	0.1	ft	0.1	Sp. Conductance (umho/cm)	89.2	Composite end	Central	Eastern	Date	10:21	Time	10:21	Diss. Oxygen	82.9	mg/L	Total Res. Chlorine	—	% sat	—	Bottle Group(s)	B
WIN/STORET #	Latitude	Field ID	WIN/STORET #	Longitude	dd	dms	dd	dms	dd	dms	Salinity (ppt)	0.04	Temp (C)	24.1	pH	6.63	Sample Depth	0.1	ft	0.1	Sp. Conductance (umho/cm)	89.2	Composite end	Central	Eastern	Date	10:21	Time	10:21	Diss. Oxygen	82.9	mg/L	Total Res. Chlorine	—	% sat	—	Bottle Group(s)	B
Location	Field ID	WIN ID / FILED ID	Caney Creek Downstream of 158A	G1WA0060	WIN ID / FILED ID	Longitude	dd	dms	dd	dms	Salinity (ppt)	0.14	Temp (C)	24.1	pH	7.19	Sample Depth	0.1	ft	0.1	Sp. Conductance (umho/cm)	297.0	Composite end	Central	Eastern	Date	8:31	Time	8:31	Diss. Oxygen	74.5	mg/L	Total Res. Chlorine	—	% sat	—	Bottle Group(s)	C
WIN/STORET #	Latitude	Field ID	WIN/STORET #	Longitude	dd	dms	dd	dms	dd	dms	Salinity (ppt)	0.14	Temp (C)	24.1	pH	7.19	Sample Depth	0.1	ft	0.1	Sp. Conductance (umho/cm)	297.0	Composite end	Central	Eastern	Date	8:31	Time	8:31	Diss. Oxygen	74.5	mg/L	Total Res. Chlorine	—	% sat	—	Bottle Group(s)	C
Location	Field ID	WIN ID / FILED ID	Tanyard Branch 100 meters upstream of Ralph Strong Rd.	G1WA0005	WIN ID / FILED ID	Longitude	dd	dms	dd	dms	Salinity (ppt)	0.14	Temp (C)	26.3	pH	6.59	Sample Depth	0.2	ft	0.2	Sp. Conductance (umho/cm)	291.3	Composite end	Central	Eastern	Date	12:36	Time	12:36	Diss. Oxygen	71.9	mg/L	Total Res. Chlorine	—	% sat	—	Bottle Group(s)	D
WIN/STORET #	Latitude	Field ID	WIN/STORET #	Longitude	dd	dms	dd	dms	dd	dms	Salinity (ppt)	0.14	Temp (C)	26.3	pH	6.59	Sample Depth	0.2	ft	0.2	Sp. Conductance (umho/cm)	291.3	Composite end	Central	Eastern	Date	12:36	Time	12:36	Diss. Oxygen	71.9	mg/L	Total Res. Chlorine	—	% sat	—	Bottle Group(s)	D

Relinquished By: 	Date/Time 9/18/19 15:07	Shipping Method FD	Number of Coolers Shipped: 5	Received By: 	Date/Time 9/18/19 15:09
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G1 Streams

Customer: WAS-SECT

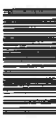
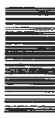
Project ID: SMP

Requester: Curtis Musson

Field Report Prepared By:

Collected By:

Sampling Agency:

Location	WIN ID / FILED ID →  G1WAO049		Collection (comp begin or grab) Date 9/18/19 Time 13:19		Composite end Date — Time —		Bottle Group(s) (See pg 2)
Field ID	Location		Matrix (type, e.g., Salt, Fresh, etc) FRESH		Diss. Oxygen 93.9		Total Res. Chlorine —
WIN/STORET #	Quincy Creek upstream of SR 65		Temp (C) 25.3		pH 0.24		Sp. Conductance (umho/cm) 61.1
Latitude	Longitude		Salinity (ppt) 0.03		Comments		
Location	WIN ID / FILED ID →  G1WAO086		Collection (comp begin or grab) Date 9/18/19 Time 13:59		Composite end Date — Time —		Bottle Group(s)
Field ID	Location		Matrix (type, e.g., Salt, Fresh, etc) FRESH		Diss. Oxygen 81.5		Total Res. Chlorine —
WIN/STORET #	Little River at Highbridge Road		Temp (C) 26.1		pH 6.49		Sp. Conductance (umho/cm) 84.7
Latitude	Longitude		Salinity (ppt) 0.04		Comments		
Location	WIN ID / FILED ID →  G1WAO087		Collection (comp begin or grab) Date 9/18/19 Time 11:19		Composite end Date — Time —		Bottle Group(s)
Field ID	Location		Matrix (type, e.g., Salt, Fresh, etc) FRESH		Diss. Oxygen 90.2		Total Res. Chlorine —
WIN/STORET #	Willacoochee Creek at 161		Temp (C) 24.7		pH 6.50		Sp. Conductance (umho/cm) 67.9
Latitude	Longitude		Salinity (ppt) 0.03		Comments		
Location	WIN ID / FILED ID →  G1WAO088		Collection (comp begin or grab) Date 9/18/19 Time 11:19		Composite end Date — Time —		Bottle Group(s)
Field ID	Location		Matrix (type, e.g., Salt, Fresh, etc) FRESH		Diss. Oxygen 90.2		Total Res. Chlorine —
WIN/STORET #	Willacoochee Creek at 161		Temp (C) 24.7		pH 6.50		Sp. Conductance (umho/cm) 67.9
Latitude	Longitude		Salinity (ppt) 0.03		Comments		
Location	WIN ID / FILED ID →  G1WAO089		Collection (comp begin or grab) Date 9/18/19 Time 11:19		Composite end Date — Time —		Bottle Group(s)
Field ID	Location		Matrix (type, e.g., Salt, Fresh, etc) FRESH		Diss. Oxygen 90.2		Total Res. Chlorine —
WIN/STORET #	Willacoochee Creek at 161		Temp (C) 24.7		pH 6.50		Sp. Conductance (umho/cm) 67.9
Latitude	Longitude		Salinity (ppt) 0.03		Comments		
Location	WIN ID / FILED ID →  G1WAO090		Collection (comp begin or grab) Date 9/18/19 Time 11:19		Composite end Date — Time —		Bottle Group(s)
Field ID	Location		Matrix (type, e.g., Salt, Fresh, etc) FRESH		Diss. Oxygen 90.2		Total Res. Chlorine —
WIN/STORET #	Willacoochee Creek at 161		Temp (C) 24.7		pH 6.50		Sp. Conductance (umho/cm) 67.9
Latitude	Longitude		Salinity (ppt) 0.03		Comments		

Relinquished By: 	Date/Time 9/10/19 15:09	Shipping Method 1+D	Number of Coolers Shipped: 5	Received By: 	Date/Time 9/18/19	1709
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Group: A	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: PCR-HF183	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: W-CARB-AA	BG-500ML	# of Bottles: 1	Preservative: CH2CICOOH Pre-Preserved	ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: W-CT-CL-R W-PCL-SQ-R	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative: HNO3 HNO3 LOT# NA9099030 EXP: 04/09/20	HNO3	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: 1	Preservative: H2SO4 H2SO4 LOT# SA9010030 EXP: 04/10/2020	ICE And H2SO4	Enter Number of Bottles Sent to Lab

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

H2SO4
 LOT# SA9010030
 EXP: 04/10/2020

Group: B	Bottle Type: W-TKN W-TOC	P-500ML	# of Bottles: 1	Preservative: ICE And H ₂ SO ₄	Enter Number of Bottles Sent to Lab
H ₂ SO ₄ LOT# SAG010030 EXP: 04/10/2020					
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: C	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: C	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: C	Bottle Type: PCR-BACR	QPCR-P-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: C	Bottle Type: W-CARB-AA	BG-500ML	# of Bottles: 1	Preservative: CH ₂ ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab
Group: C	Bottle Type: W-CT-CL-R W-PCL-SQ-R	BG-500ML	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: C	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: C	Bottle Type: W-ICP	P-500ML	# of Bottles: 1	Preservative: HNO ₃	Enter Number of Bottles Sent to Lab

Group: C	Bottle Type: P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab
	W-ICPMS			
Group: C	Bottle Type: P-500ML	# of Bottles: 1	Preservative: ICE And HNO3	Enter Number of Bottles Sent to Lab
	W-NH3			
	W-NO2NO3			
	W-S-A-TP			
	W-TKN			
	W-TOC			
Group: C	Bottle Type: P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F			
Group: C	Bottle Type: BG-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab
	W-PSNP-TQ			
Group: D	Bottle Type: P-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab
	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
	CHLSUITE-W			
Group: D	Bottle Type: P-250ML-WO-THI	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab
	ECOLI-18QT			
Group: D	Bottle Type: P-500ML	# of Bottles: 2	Preservative: HNO3	Enter Number of Bottles Sent to Lab
	W-ICP			
	W-ICPMS			
Group: D	Bottle Type: P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3			
	W-NO2NO3			
	W-S-A-TP			
	W-TKN			

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

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 # 00573854

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: 1 Preservation: ICE

Lot # 148130

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-¹²⁰250ML-WO-THI

Qty: ¹²1 Preservation: ICE

Lot # GF 21-TN

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

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

Container ID: QPCR-P-500ML

Qty: 1 Preservation: ICE

Lot # 8070172

Description: 500ml Sterile Nalgene

Affix PCR Instruction Label to container

Analysis

PCR-HF183

Description

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

Container ID: BG-500ML

Qty: 1 Preservation: CH₂ClCOOH Pre-Preserved

Lot # ⁰⁴⁰72340

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 # 80072340

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CT-Cl-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 # 80072340

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

Description

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

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 000 72877

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

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 000 72877

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: 1 Preservation: FILTER-ICE

Lot # 000 72954

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Container ID: BG-1L

Qty: 4 Preservation: ICE

Lot # 000 73598

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

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 # 000 73854

Description: Plastic Bottle 1L

Analysis

ALKALINITY

Description

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 # 148230

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: ²⁵⁰P-250ML-WO-THI

Qty: 1 Preservation: ICE

Lot # GA217N

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

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

Container ID: BG-500ML

Qty: 1 Preservation: CH2CICOOH Pre-Preserved

Lot # 05072340

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: 2 Preservation: ICE

Lot # 05072340

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 # 05072340

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: P-500ML

Qty: 1 Preservation: HNO3

Lot # 00072877

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

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00072877

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: 1 Preservation: FILTER-ICE

Lot # 00072954

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Container ID: BG-1L

Qty: 2 Preservation: ICE

Lot # 00073598

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

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 # 00073598

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

Description

Alkalinity in aqueous matrices as mg CaCO3/L

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 # 1248230

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: ¹²⁵⁰P-250ML-WO-THI

Qty: ¹²1 Preservation: ICE

Lot # GF 217N

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

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

Container ID: QPCR-P-500ML

Qty: 1 Preservation: ICE

Lot # 8070172

Description: 500ml Sterile Nalgene

Affix PCR Instruction Label to container

Analysis

PCR-BACR

Description

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 # 8072340

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: 2 Preservation: ICE

Lot # 8072340

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CT-Cl-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 # 0072340

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: P-500ML

Qty: 1

Preservation: HNO3

Lot # 0072877

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

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

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: 1

Preservation: FILTER-ICE

Lot # 0072954

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

W-PSNP-TQ

Description

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 # 00073854

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: 2 Preservation: ICE

Lot # 1248230

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: ¹²⁰P-250ML-WO-THI

Qty: ⁴2 Preservation: ICE

Lot # GE21TN

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

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

Container ID: P-500ML

Qty: 2 Preservation: HNO3

Lot # 00072877

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

Container ID: P-500ML

Qty: 2 Preservation: ICE And H2SO4

Lot # 00072877

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

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: 2 Preservation: FILTER-ICE

Lot # 55572954

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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 <u>MCA</u>	Exp <u>6-1-20</u>	Lot # <u>58730</u>
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

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