



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End
of Day CCV
☒ Yes / ☐ No

WIN Station Name: Little River at Highbridge Road

Date: ~~1/23/2020~~ 3/25/20
(mm/dd/yyyy)

WIN/ Field ID: G1WA0086

WBID: 424

Latitude: 30.51350

(Decimal Degrees)

County: Gadsden

ORG ID: 21FLWQA

Longitude: -84.52322

(Decimal Degrees)

Receiving Body of Water: Lake Talquin

RQ-2020- 03-23-21

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Curtis Musson		X		X	X
Blake Spencer	X		X		

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☐ Syringe	☐ Pole
☐ Dipper	☐ Other
Depth Measured with <u>Sonar #1</u>	
Equipment ID	
Collection Method	
☐ Wading	☒ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☐ Gasoline Motor

Water Level: Dry/ Pooled/ <u>Low</u> / Normal / High / Flooded		Meter ID# Biology #2	
Photos: Yes / ☒ No	Flow: No Flow / <u>Flowing</u> / NA	Tide: Rising/ Falling/ Slack/ <u>NA</u>	Tide Times: High <u>NA</u> Low <u>NA</u>
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#:	
Notes:			

Duplicate Sample

Time Zone: EST CEN Time: _____ Field ID: _____ (WIN ID_DUP)

WIN DMT Activity ID: _____

Blank

Time Zone: <u>EST</u> CEN Time: <u>1/22</u>	Field ID: _____
DI Source: <u>C-Building DI Tap</u>	Location: _____
☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment _____

FILED ID →



FB_03252020



Willacoochee Creek at 161

LIMS EVENT ID: WAS-SRCT-2020-03-25-01

WIN Import ID: _____

Enter Field Parameters, Verify Station ID in LIMS DMT: 3/26/20
(Initials/Date)

QC Station ID, Field Parameters in LIMS DMT: CN 3/27/2020
(Initials/Date)

Scan/Save Field Sheets CN 3/27/2020
(Initials/Date)

Migrate Data to WIN: _____
(Initials/Date)

Verify Data in WIN: _____
(Initials/Date)



RQ-2020- 03-23-21

Customer: WAS-SECT

Project ID: SMP

Collected By: Blake Spencer and Curtis Musson

Field Report Prepared By: Blake Spencer

Sampling Agency: FDEP

WIN ID /
FILED ID →

G1WA0086

Location

Little River at Highbridge Road

Comments:

SULFURIC
ACID <51%
DANGER
7704-34-9
7727-37-2
7732-18-6

Contains 1.1 H2SO4
THERMO FISHER SCIENTIFIC
530 NORTH MAIN STREET
MIAMI, OK 74354
1-828-656-2711

May be corrosive to metals. Causes severe skin burns and eye damage. Do not breathe fumes/vapors. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Wash contaminated clothing before reuse. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/strip off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and if at all possible a position comfortable for breathing. IF IN EYES: Flush cautiously with water for several minutes. Store locked up. Store in corrosive resistant with a resistant inner liner.

Contains 1.1 H2SO4
Lot No. SA9203100
Expires: 07/22/20
See Safety Data Sheet (SDS)

40-40%
DANGER
7827-37-2
7732-18-6

Contains 1.1 HNO3
THERMO FISHER SCIENTIFIC
530 NORTH MAIN STREET
MIAMI, OK 74354
1-828-656-2711

May be highly toxic, oxidizing. May be corrosive to metals. Causes severe skin burns and eye damage. Keep away from heat/flammable sources. May explode. Do not breathe fumes/vapors. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Wash contaminated clothing before reuse. Search spillage to prevent material damage. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/strip off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and if at all possible a position comfortable for breathing. IF IN EYES: Flush cautiously with water for several minutes. Store locked up. Store in corrosive resistant with a resistant inner liner. well-ventilated place. Keep container tightly closed.

Contains 1.1 HNO3
Lot No. NA9189080
Expires: 07/08/20
See Safety Data Sheet (SDS)

Matrix: Fresh / Marine

(Check one)

☒ GRAB☐ COMPOSITE

Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (umhos/cm)	Salinity (PPT)
3/25/20	821	7.97	90.1%	21.41	6.56	0.3	0.5 ☐ VOB (S)	1.4	95	0.04

EST / CST

Cental Lab please use top row for login purposes

EST / CST

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP Lot # SA9203100 Exp: 7/22/20	☒ Ice ☒ H2SO4* ☒ <2		1	A
Metals (P-500ML)	☒ W-ICPMS ☒ W-ICP ☐ W-HARD Lot # NA9189080 Exp: 7/08/20	☒ Ice ☒ HNO3* ☒ <2		1	A
Filtered Nutrients (P125ML)	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter Filter Lot # Syringe Lot #	☐ Ice			
Chlorophyll (BP-1L)	☐ CHLSUITE-W	☐ Ice			
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-GATOR / W-SO4-IC / W-TDS	☒ Ice		1	A
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID	☐ Ice			
Microbiology (Contract Lab Bottle)	☒ E Coli ☐ F Coli ☐ Enterococci ☐ Contract Lab	☒ Ice		1	A
Molecular (QPCR-P-500ML)	☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐ See Notes	☐ Ice			
Tracers (BG-500ML)	☒ W-E8321-DI ☒ W-E8321-MS	☒ Ice		1	A
Pesticides (BG-500ML) (BG-1L)	☐ W-E8321-DI ☐ W-E8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)	☐ Ice			

Name:

Blake Spencer

Signature:

Date:

3/25/20

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

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: **Bio #2**

RQ- **2020-03-23-24**

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.	B. Spencer	3/25/20	0706	20.50	760	9.003	9.00	100.0%	43.1	—	P / F	L / F
ICV	B. Spencer	3/25/20	0707	20.51	760	9.003	8.99	99.8%	43.1	—	P / F	L / F
CCV	B. Spencer	3/25/20	1319	20.31	760	9.039	8.90	98.4%	39.0	—	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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	B. Spencer	3/25/20	0709	191120A	12/2020	1000	1000	P / F	L / F
ICV	B. Spencer	3/25/20	0710	191120A	12/2020	1000	997	P / F	L / F
CCV	B. Spencer	3/25/20	1322	2009081	09/2021	100	103	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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	B. Spencer	3/25/20	0713	190619B	12/2020	7.02	20.95	7.02	-32.7	P / F	L / F
Calibr.	B. Spencer	3/25/20	0716	200221A	09/2021	4.00	20.93	4.60	142.1	P / F	L / F
Calibr.	B. Spencer	3/25/20	0720	190619C	12/2020	10.05	20.93	10.03	-201.0	P / F	L / F
ICV	B. Spencer	3/25/20	0721	190619C	12/2020	10.09	21.14	10.02	-200.7	P / F	L / F
CCV	B. Spencer	3/25/20	1325	200221A	09/2021	4.00	21.19	4.06	137.9	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)

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 $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

Little River

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Curtis Musson

Project ID: SMP

Collected By: Curtis Musson

Sampling Agency: FDEP

Location		☐ Comp ☐ Grab		Collection (comp begin or grab)		☒ Eastern ☐ Central		Composite end		Bottle Group(s)	
Field ID		Date		Time		Date		Time		Bottle Group(s)	
WIN/STOR		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L)		B	
Latitude		Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)		B	
Longitude		Salinity (ppt)		Comments							
Location		☐ Comp ☒ Grab		Collection (comp begin or grab)		☒ Eastern ☐ Central		Composite end		Bottle Group(s)	
Field ID		Date		Time		Date		Time		Bottle Group(s)	
WIN/STORET		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L)		B	
Latitude		Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)		B	
Longitude		Salinity (ppt)		Comments							
Location		☐ Comp ☒ Grab		Collection (comp begin or grab)		☒ Eastern ☐ Central		Composite end		Bottle Group(s)	
Field ID		Date		Time		Date		Time		Bottle Group(s)	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L)		B	
Latitude		Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)		B	
Longitude		Salinity (ppt)		Comments							
Location		☐ Comp ☒ Grab		Collection (comp begin or grab)		☒ Eastern ☐ Central		Composite end		Bottle Group(s)	
Field ID		Date		Time		Date		Time		Bottle Group(s)	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L)		B	
Latitude		Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)		B	
Longitude		Salinity (ppt)		Comments							

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
				ABP	3-25-20/11301

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Field Report Prepared By: Curtis MussonCollected By: Curtis MussonSampling Agency: FDEP

Location		☐ Comp ☒ Grab		Collection (comp begin or grab) Date <u>3/25/20</u> Time <u>1132</u>		☒ Eastern ☐ Central		Composite end Date _____ Time _____		Bottle Group(s) (See pg 2)	
Field ID	WIN ID / FILED ID →  G1WA0087	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>93.8</u> ☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L) <u>—</u>					
WIN/STORET #	Location  Willacoochee Creek at 161	Temp (C) <u>24.38</u>	pH <u>6.48</u>	Sample Depth <u>0.15</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>68</u>						<u>A</u>
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <u>0.03</u>	Comments						
Location											
Field ID	WIN ID / FILED ID →  G1WA0086	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>90.1</u> ☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L) <u>—</u>					
WIN/STORET #	Location  Little River at Highbridge Road	Temp (C) <u>21.41</u>	pH <u>6.56</u>	Sample Depth <u>0.3</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>95</u>						<u>A</u>
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <u>0.04</u>	Comments						
Location											
Field ID	WIN ID / FILED ID →  G1WA0093	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>98.6</u> ☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L) <u>—</u>					
WIN/STORET #	Location  Richlander Creek at CR 65B	Temp (C) <u>20.85</u>	pH <u>6.67</u>	Sample Depth <u>0.2</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>62</u>						<u>B</u>
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <u>0.03</u>	Comments						
Location											
Field ID	WIN ID ID ↓  G1WA0087 Field ID ↑	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>—</u> ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L) <u>—</u>					
WIN/STORET #	Location  Willacoochee Creek at 161	Temp (C) <u>—</u>	pH <u>—</u>	Sample Depth <u>0.15</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>—</u>						<u>A</u>
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <u>—</u>	Comments <u>Field Duplicate</u>						

Relinquished By: <u>Curtis Musson</u>	Date/Time <u>3/25/20 13:01</u>	Shipping Method <u>Drop off</u>	Number of Coolers Shipped: <u>3</u>	Received By: <u>ATB</u>	Date/Time <u>3-25-20/13:01</u>
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Florida Department of Environmental Protection

Central Laboratory Submittal Form

Little River

last revised Jan 25, 2018

Customer: WAS-SECT

Requester: Curtis MussonField Report Prepared By: CONR MUSSON

Project ID: SMP

Collected By: CURTIS MUSSONSampling Agency: FDEP

Location		☐ Comp	Collection (comp begin or grab)		☒ Eastern	Composite end		Bottle Group(s) (See pg 2)
Field ID		☒ Grab	Date	Time	☒ Central	Date	Time	
WIN/STORET		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L	Total Res. Chlorine		B
Location		Temp (C)		pH	☒ % sat	(mg/L)		
Latitude		☐ dd	Longitude	☐ dd	Salinity (ppt)	Comments		C
Longitude		☐ dms	Salinity (ppt)	Comments	☐ ft	Sp. Conductance (umho/cm)		
Location		☐ Comp	Collection (comp begin or grab)		☒ Eastern	Composite end		Bottle Group(s)
Field ID		☒ Grab	Date	Time	☒ Central	Date	Time	
WIN/STORET		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L	Total Res. Chlorine		C
Location		Temp (C)		pH	☒ % sat	(mg/L)		
Latitude		☐ dd	Longitude	☐ dd	Salinity (ppt)	Comments		Field Blank
Longitude		☐ dms	Salinity (ppt)	Comments	☐ ft	Sp. Conductance (umho/cm)		
Location		☐ Comp	Collection (comp begin or grab)		☐ Eastern	Composite end		Bottle Group(s)
Field ID		☐ Grab	Date	Time	☐ Central	Date	Time	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L	Total Res. Chlorine		
Latitude		☐ dd	Longitude	☐ dd	☐ % sat	(mg/L)		
Longitude		☐ dms	Salinity (ppt)	Comments	☐ ft	Sp. Conductance (umho/cm)		
Location		☐ Comp	Collection (comp begin or grab)		☐ Eastern	Composite end		Bottle Group(s)
Field ID		☐ Grab	Date	Time	☐ Central	Date	Time	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L	Total Res. Chlorine		
Latitude		☐ dd	Longitude	☐ dd	☐ % sat	(mg/L)		
Longitude		☐ dms	Salinity (ppt)	Comments	☐ ft	Sp. Conductance (umho/cm)		

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
				<u>ABP</u>	<u>3-25-20/13-01</u>

Group: A	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ECOLI-18QT						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	W-E8321-DI W-E8321-MS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	3
	W-ICP W-ICPMS		Lot # NA9189080 Exp 7-8-2020				
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	3
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC		Lot # SA9203100 Exp 7-22-2020				
Group: A	Bottle Type:	P-125ML	# of Bottles: 3	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	0
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F						

Group: B	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>6</u>
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>6</u>
	CHLSUITE-W						
Group: B	Bottle Type:	P-250ML-WO-THI	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>6</u>
	ECOLI-18QT						
Group: B	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>6</u>
	W-NH3				Lot# SA9203100		
	W-NO2NO3				EXP: 7-22-2020		
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: B	Bottle Type:	P-125ML	# of Bottles: 6	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	<u>6</u>
	W-PO4-F						
Group: C	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: C	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	W-E8321-DI						
	W-E8321-MS						
Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	<u>1</u>
	W-ICP				Lot# NA9189080		
	W-ICPMS				EXP 7.8.20		
Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>1</u>
	W-NH3						

Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
	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				

Cooler Packing Worksheet for Request: RQ-2020-03-23-21

Little River

Ship Cooler On: 3/19/2020
Customer/Project: WAS-SECT/SMP

Assigned To: KLUG_K
Requester: Curtis Musson
Priority: 3

850-245-8453
2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Nutrients, E. coli, Metals, Tracers x 2

Group A: Little River At Highbridge Road, Willachoochee Creek At 161, DUP

Group B: Nutrients, E. coli x 6

Group C: Nutrients, Metals, Tracers
Field Blank

Packing Notes:

No Fedex Labels

No Trash Bags

No Bubblewrap

Requested Analyses:

Bottle Group: A

of Sites: 3

Container ID: P-1L

Qty: 3

Preservation: ICE

Lot #

00075981

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 (not valid for NPDES monitoring)

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: 3 Preservation: ICE

Lot # 1268908

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: 3 Preservation: ICE

Lot # 119267

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

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

Container ID: BG-500ML

Qty: 3 Preservation: ICE

Lot # 00075651

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: 3 Preservation: HNO3

Lot # 00076643

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: 3 Preservation: ICE And H2SO4

Lot # 00076643

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: 3 Preservation: FILTER-ICE

Lot # 00076883

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Bottle Group: B

of Sites: 6

Container ID: P-1L

Qty: 6 Preservation: ICE

Lot # 00075981

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 (not valid for NPDES monitoring)

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: 6 Preservation: ICE

Lot # 1268908

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: 6 Preservation: ICE

Lot # 419267

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: 6 Preservation: ICE And H2SO4

Lot # 00076643

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

Description

Ammonia in aqueous matrices as mg N/L

W-NO2NO3
W-S-A-TP
W-TKN
W-TOC

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: 6 Preservation: FILTER-ICE

Lot # 00076883

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: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00076670

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 (not valid for NPDES monitoring)

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: BG-500ML

Qty: 1 Preservation: ICE

Lot # 00075651

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 # 00076643

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 # 00076643

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 # 00076883

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: AK

Number of Coolers: 3

Date: 3-16-20

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-2020-03-23-21