FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified? Yes / (No)

WIN Station Name: ~~Withlacoochee~~ Willacoochee Creek At 161 (Aum) **Date:** 10/09/2019 (mm/dd/yyyy)

WIN ID/ Field ID G1WA0087 **WBID:** 410 **Latitude:** 30.6375 (Decimal Degrees)

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

Receiving Body of Water: Little River **RQ -** 2019-10-07-27

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

Sampling Equipment

- [x] Sample Container
- [ ] Van Dorn
- [ ] Pole
- [x] Carboy
- [x] Syringe
- [ ] Dipper
- [ ] Other
- Depth Measured with: Meter Stick
- Equipment ID

Collection Method

- [x] 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 NA Low NA (Bracket Sample Time)

Field Sample

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Sp COND (µmhos/cm)	Temp. (C°)
EST	12:44	0.3	0.15	VOB	8.02	94.1	6.89	0.03	67.1	23.3
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	[x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[x] Ice [x] H_2SO_4	9189080	7/20	[x] <2
Metals	[x] W-ICPMS [x] W-ICP	[x] Ice [x] HNO_3	9129100	5/20	[x] <2
Filtered Nutrients	[x] W-PO4-F [x] Field Filtered 0.45 µm Filter	[x] Ice			
Chlorophyll	[x] CHLSUITE-W	[x] Ice			
Physical/Aggregate (Fresh)	[x] Alkalinity W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[x] Ice			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[x] E Coli [ ] F Coli [ ] Enterococci	[x] Ice			
Molecular	[ ] PCR-FILTER [ ] PCR-BacR [ ] PCR-GULL2 [ ] PCR-HF183 [ ] PCR-DG3 [ ] PCR-GFD	[ ] Ice			
Tracers	[x] W-E3821-MS [x] W-E32821-DI	[x] Ice			
Pesticides	[ ] W-PSNP-TQ [ ] W-E3821-MS [ ] W-CT-CL-R [ ] W-PCL-SQ-R [ ] W-E3821-DI [ ] W-CARB-AA	[ ] Ice			
Phytoplankton	[ ] DTY-QN-C [ ] PKD-QN-C	[ ] Ice			

Contains: 1:1 HNO3
Lot No.: NA9189080
Expires: 07/08/20
See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4
Lot No: SA9129100
Expires: 05/09/20
See Safety Data Sheet (SDS)

NITRIC ACID 20-70% — THERMO FISHER SCIENTIFIC 320 NORTH MAIN STREET MIAMI, OK 74354 1-918-542-2711 — Contains: 1:1 HNO3 — DANGER 7697-37-2 7732-18-5 — May intensify fire; oxidizer. May be corrosive to metals. Causes severe skin burns and eye damage. Keep away from combustibles. Do not breathe fumes/mists/vapours/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Immediately call a POISON CENTER or doctor/physician. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Do NOT induce vomiting. If ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Store in a corrosive resistant container with a resistant inner liner. Store in a well-ventilated place. Keep container tightly closed.

SULFURIC ACID <51% — THERMO FISHER SCIENTIFIC 320 NORTH MAIN STREET MIAMI, OK 74354 1-918-542-2711 — Contains: 1:1 H2SO4 — DANGER 7664-93-9 7664-93-9 7732-18-5 — May be corrosive to metals. Causes severe skin burns and eye damage. Do not breathe fume/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Store in corrosive resistant container with a resistant inner liner.

* Time for Dup is 12:44 in LIMS AWM

1259

QA/QC Sample Information

~~12:41~~ **Duplicate**

WIN ID ID ↓ G1WA0087_DUP

Field ID ↑ G1WA0087

Time Zone: (EST) CEN **Time:** ~~12:59~~ cm **Field Location** Willacoochee Creek at 161

WIN DMT Activity ID:

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			☑ < 2
Metals	☑ W-ICPMS ☑ W-ICP	☑ Ice ☑ HNO_3			☑ < 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			
Microbiology	☑ E Coli ☐ F Coli ☐ Enterococci	☑ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers	☑ W-E3821-MS ☑ W-E3821-DI	☑ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-E3821-DI ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-E-3821-MS ☐ W-CARB-AA	☐ Ice			

Contains: 1:1 HNO3 Lot No.: NA9189080 Expires: 07/08/20 See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4 Lot No.: SA9129100 Expires: 05/09/20 See Safety Data Sheet (SDS)

FILED ID → FB_10092019

Blank

Time Zone: EST CEN **Time:** ~~12:59~~ AWM 12:23 **Field ID:** FB_10092019 **Location** Willacoochee Creek at 161

DI Source: C Building **Location:** Withlacoochee Creek

☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank **Equipment ID:**

WIN DMT Blank Batch ID:

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	9189080	~~[illegible]~~ AWM	☒ < 2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO_3	9129100	5/20	
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-F / W-TSS / TURBIDITY	☐ Ice			
Tracers	☒ W-E3821-MS ☒ W-E3821-DI	☒ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-E3821-DI ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-E3821-MS ☐ W-CARB-AA	☐ Ice ☐ Other			
Microbiology	☒ E.coli ☐ F. Coliform ☐ Entrococci	Ice			

Contains: 1:1 HNO3 Lot No.: NA9189080 Expires: 07/08/20 See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4 Lot No.: SA9129100 Expires: 05/09/20 See Safety Data Sheet (SDS)

FILED ID G1WA0087

Notes:

Nutrients, Metals, E. coil, tracers

Times updated for dup & blank based on lab submittal forms. AWM 11/13/19

Location Willacoochee Creek at 161

Signature: [signature] **Date:** 10/9/19

LIMS EVENT ID: WAS-SECT-2019-10-09-01 **WIN Import ID:**

Enter Field Parameters, Verify Station ID In LIMS DMT: ~~[illegible]~~ 10/17/19 (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** AWM 11/13/19 (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)

Meter ID: 19J104543 DSS Pro RQ- 2019-10-07-27 Project: SMP

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

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	Barometer mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Ami wood-McGrath	10/9	7:41	21.0 ~~20.9~~		~~8.980~~ 8.915	8.97	100.3	—	—	(P) / F	(L) / F
ICV	↓	↓	7:44	21.1		8.898	8.98	101.1	—	—	P / F	L / F
CCV	↓	↓	15:06	21.7		8.794	8.72	98.7	—	—	(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	10/9	7:48	190618F	6/20	1000	1001	(P) / F	(L) / F
ICV	↓	10/9	7:51	2908C81	8/21	100	98.9	(P) / F	(L) / F
CCV	↓	10/9	15:08	190618F	6/20	1000	977	(P) / F	(L) / F
CCV	↓	10/9	15:10	2908C81	8/21	100	101.0	(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	10/9	7:53	190618B	12/20	7.02	22.2	7.01	-60.0	(P) / F	(L) / F
Calibr.	↓	↓	7:55	190618A	12/20	4.00	22.4	4.00	118.4	(P) / F	(L) / F
Calibr.	↓	↓	7:57	190618C	12/20	10.05	22.9	9.98	-216.3	(P) / F	(L) / F
ICV	↓	↓	8:00	190618C	12/20	10.05	22.4	9.99	-216.5	(P) / F	(L) / F
CCV	↓	↓	15:12	190618A	12/20	4.00	22.3	4.12	107.9	(P) / F	(L) / F
CCV	↓	↓	15:15	190618C	12/20	10.05	22.0	10.05	-222	(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-2019-10-07-27

Little Rriver, Lake McBride

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, Auril Wood-Mcgrath

Field Report Prepared By: Curtis Musson

Sampling Agency: FDEP

Location	WIN ID / FILED ID → G1WA0087	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/9/19 Time 12:44 Eastern ~~Central~~	Composite end Date — Time —		Bottle Group(s) (See pg 2)
Field ID		Matrix (type, ~~e.g., Salt~~, Fresh, etc) Fresh	Diss. Oxygen 94.1 ☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) —		
WIN/STORET #	Location: Willacoochee Creek at 161	Temp (C) 23.3	pH 6.89	Sample Depth 0.15 ☐ ft ~~☐ m~~	Sp. Conductance (umho/cm) 67.1	A
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) 0.03	Comments: Sample Paired With DUP			
Location	WIN ID ID ↓ G1WA0087_DUP	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/9/19 Time 12:44 Eastern ~~Central~~	Composite end Date — Time —		Bottle Group(s)
Field ID	G1WA0087 Field ID ↑	Matrix (type, ~~e.g., Salt~~, Fresh, ~~etc~~) Fresh	Diss. Oxygen — ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —		
WIN/STORET #	Location: Willacoochee Creek at 161	Temp (C) —	pH —	Sample Depth — ☐ ft ☐ m	Sp. Conductance (umho/cm) —	A
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) —	Comments: Field DUP			
Location	FILED ID → FB_10092019	☐ Comp ☒ Grab	Collection (comp begin or grab) Date Time Eastern ~~Central~~	Composite end Date — Time —		Bottle Group(s)
Field ID		Matrix (type, ~~e.g., Salt, Fresh, etc~~) Field Blank	Diss. Oxygen — ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —		
WIN/STORET #	Location: Willacoochee Creek at 161	Temp (C) —	pH —	Sample Depth — ☐ ft ☐ m	Sp. Conductance (umho/cm) —	B
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) —	Comments			
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time Eastern Central	Composite end Date Time		Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Curtis Musson	10-9-2019 / 2:51	Drop off	3		10/9/19 1454
Curtis Musson	1451				

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

Request Number: RQ-2019-10-07-27

Little Rriver, Lake McBride

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, Auril Wood-McGrath

Field Report Prepared By: Curtis Musson

Sampling Agency: FDEP

Location	WIN ID / FILED ID	Comp / Grab	Collection (comp begin or grab) Date	Time	Eastern / ~~Central~~	Composite end Date	Time	Bottle Group(s) (See pg 2)
McBride Mid	G1WA0006	☐ Comp ☒ Grab	10/9/19	10:16	Eastern	—	—	A
McBride South	G1WA0088	☐ Comp ☒ Grab	10/9/19	~~10:17~~ 9:56	~~Central~~	—	—	A
McBride West	G1WA0089	☐ Comp ☒ Grab	10/9/19	10:41	Eastern	—	—	A
Little River 100 meters upstream of SR 12	G1WA0020	☐ Comp ☒ Grab	10.9.2019	13:37	Eastern	—	—	A

Location	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
McBride Mid	Fresh	91.9	% sat	—	27.8	7.04	0.3	m	44.2	0.02	
McBride South	Fresh	89.0	% sat	—	27.8	6.60	0.3	m	43.9	0.02	
McBride West	Fresh	44.0	% sat	—	27.4	5.84	0.3	m	45.6	0.02	
Little River 100 meters upstream of SR 12	Fresh	94.8	% sat	—	24.1	6.94	0.2	m	120.6	0.06	

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Curtis Musson	10.9.19 / 2:51	Drop off	3		10/9/19 1454
Curtis Musson	14:51				

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

Group:	Bottle Type:	# of Bottles:	Preservative:	Enter Number of Bottles Sent to Lab
A	P-1L	6	ICE	6
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS			
A	BP-1L	6	ICE	6
	CHLSUITE-W			
A	P-250ML-WO-THI	6	ICE	6
	ECOLI-18QT			
A	BG-500ML	6	ICE	6
	W-E8321-DI W-E8321-MS			
A	P-500ML	6	HNO3 LOT# NA9189080 F-EXP: 07/08/20	6
	W-ICP W-ICPMS			
A	P-500ML	6	ICE And H2SO4 H2SO4 LOT# SA9129100 EXP: 05/09/2020	6
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
A	P-125ML	6	FILTER-ICE	6
	W-PO4-F			
B	P-1L	1	ICE	1
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F			

Group:	Bottle Type:	# of Bottles:	Preservative:	Enter Number of Bottles Sent to Lab
B	P-1L	1	ICE	1
	W-SO4-IC W-TDS W-TSS			
B	BP-1L	1	ICE	1
	CHLSUITE-W			
B	P-250ML-WO-THI	1	ICE	1
	ECOLI-18QT			
B	BG-500ML	1	ICE	1
	W-E8321-DI W-E8321-MS			
B	P-500ML	1	HNO3 HNO3 LOT# NA9189080 F-EXP: 07/08/20	1
	W-ICP W-ICPMS			
B	P-500ML	1	ICE And H2SO4 H2SO4 LOT# SA9129100 EXP: 05/09/2020	1
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
B	P-125ML	1	FILTER-ICE	1
	W-PO4-F			

Cooler Packing Worksheet for Request: RQ-2019-10-07-27
Little Rriver, Lake McBride
Ship Cooler On: 10/7/2019
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: Nutrients, Metals, Tracers, E.coli
647Ex3, 424, 410 & 1 DUP

Group B: Nutrients, Metals, Tracers, E.coli
QC Blank

Notes:
No FedEx Labels
No Trash Bags

Requested Analyses:

Bottle Group: A **# of Sites: 6**

Container ID: P-1L **Qty: 6** **Preservation: ICE** **Lot #** 0007 4723

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: 6** **Preservation: ICE** **Lot #** 1259820

Description: Brown Plastic Bottle 1L

Analysis	Description

Container ID: P-250ML-WO-THI **Qty: 6** **Preservation: ICE** **Lot #** 6M01-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: BG-500ML **Qty: 6** **Preservation: ICE** **Lot #** 00075246

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: 6** **Preservation: HNO3** **Lot #** 00075526

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: 6** **Preservation: ICE And H2SO4** **Lot #** 00075526

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: 6** **Preservation: FILTER-ICE** **Lot #** 00074800

Description: Plastic Bottle 125 mL

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

Bottle Group: B # of Sites: 1

Container ID: P-1L **Qty: 1** **Preservation: ICE** **Lot #** 06674723

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: 1** **Preservation: ICE** **Lot #** 1259820

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 **Qty: 1** **Preservation: ICE** **Lot #** 6M07-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: BG-500ML **Qty: 1** **Preservation: ICE** **Lot #** 00075246

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 #** 00075526

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 #** 00075526

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 #** 00074800

Description: Plastic Bottle 125 mL

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

Cooler Packed By: TyLerM Number of Coolers: 3 Date: 10/07/19

Kit must also include:
- ✓ Field Sheets
- ✓ Temperature Control Bottle
- ✓ FedEx Bills, if applicable
- ✓ Plastic Bags/Zip Ties
- X 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-2019-10-07-27