

RQ- 2018-01-08-11

Log-in Checklist

Shipping Method: HDDate/Time of Receipt: 1-10-18/1:22

Cooler ID	Cooler Temperature*	No. Sample Containers in Cooler	Evidence Tape				Tracking # (fill out only if waybill copy is damaged)
			Present?		*Intact?		
			Yes	No	Yes	No	
Blue	4.3	17		✓			
Red	1.8	10		✓			
Red	2.3	18		✓			

*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

****Note:** If "No" is checked in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an NCR.

****Chain of Custody/ Field Sheet(s) Included?** Yes ✓ No

CONTAINER CHECK

****Evidence Tape on Bottles?** Yes No ✓ If yes, is it intact? Yes No

****Caps on tight?** Yes ✓ No ****Containers intact?** Yes ✓ No

****Sufficient Sample Volume:** Yes ✓ No

CHLORINE CHECK (Blue dot on container)

Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required.					
Analysis	Yes	No	Analysis	Yes	No
W-1,4 DIOX		✓	W-PC-AA-SF		
W-AHERB-AA (-AHB-AA-R)			W-PCL-SQ (-R)		
W-BNA (-625, -R)			W-PDQUAT		
W-CARB-AA (-CAB-AA-R)			W-PESTNP-R		
W-ENDO-AA			W-PSCL-TQ		
W-GLYPH			W-PSNP-TQ		
W-NP-AA-SF			W-PST-CL-R		
W-PAH (-R)			W-TR-TQ		
W-PCB-R			W-CT-CI-R		

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

****Acid Preserved Samples:** pH ≤ 2.0? Yes ✓ No NA Init: SR

****W-1-4-DIOX (Green dot on container) preserved to pH < 4.0?** Yes No NA ✓ Init: SR

Coolers Unpacked/Checked by: SR Date: 1-10-18 NCRs (Y/N)? N

Event ID: WAS-SECT-2018-01-10-01 NCR #

Log-in Checklist

Samples with Incorrect pH Preservation or presence of Chlorine

Field ID	Bottle Test ID(s)	pH / Cl	Action Taken

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Cooler ID	Field ID	Bottle Test ID(s)

Bottles Not Intact

Field ID	Bottle Test ID(s)	Loose Cap	Damaged Cap		Damaged Container		Evidence Tape Not Intact
			CK	BR	CK	BR	

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes _____ No ✓

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes _____ No _____

If no, were samples shipped on dry ice? Yes _____ No _____

FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF; W-HG-AF-F):

Samples preserved within 48 hours? Yes _____ No ✓

Date and time samples preserved: _____

Additional Comments:

Sand, Black, 8, AJ, Harbinwood, Swamp, Salem

Central Laboratory Submittal Form

last revised Apr 7, 2016

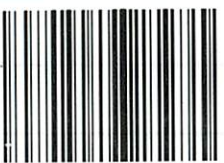
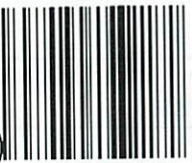
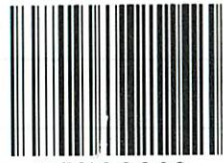
Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Curtis Musson, Ben Rabs

Project ID: SMP

Collected By: Curtis Musson, Ben RabsSampling Agency: FDEP

Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>1/10/18</u> Time <u>9:20</u>	☒ Eastern ☐ Central	Composite end Date — Time —	Bottle Group(s) (See pg 2)	
Field ID	Sand Pond Middle		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>10.26</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
STORET #			Temp (C) <u>12.22</u>	pH <u>5.19</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>15</u>	
Latitude	☒ dd ☐ dms	Longitude	☒ dd ☐ dms	Salinity (ppt) <u>0.01</u>	Comments			
Latitude	☒ dd ☐ dms	Longitude	☒ dd ☐ dms	Salinity (ppt) <u>0.01</u>	Comments			
Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>1/10/18</u> Time <u>9:59</u>	☒ Eastern ☐ Central	Composite end Date — Time —	Bottle Group(s)	
Field ID	Freeman Creek upstream of SR 267 (Bloxham Cutoff)		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>8.92</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
STORET #			Temp (C) <u>13.90</u>	pH <u>5.22</u>	Sample Depth <u>0.15</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>24</u>	
Latitude	☒ dd ☐ dms	Longitude	☒ dd ☐ dms	Salinity (ppt) <u>0.01</u>	Comments			
Latitude	☒ dd ☐ dms	Longitude	☒ dd ☐ dms	Salinity (ppt) <u>0.01</u>	Comments			
Location	Field/WIN ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>1/10/18</u> Time <u>8:50</u>	☒ Eastern ☐ Central	Composite end Date — Time —	Bottle Group(s)	
Field ID	Black Creek upstream of Bloxham Cutoff		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>8.94</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
STORET #			Temp (C) <u>12.20</u>	pH <u>5.96</u>	Sample Depth <u>0.15</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>63</u>	
Latitude	☒ dd ☐ dms	Longitude	☒ dd ☐ dms	Salinity (ppt) <u>0.03</u>	Comments			
Latitude	☒ dd ☐ dms	Longitude	☒ dd ☐ dms	Salinity (ppt) <u>0.03</u>	Comments			
Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>1/10/18</u> Time <u>8:10</u>	☒ Eastern ☐ Central	Composite end Date — Time —	Bottle Group(s)	
Field ID	Eight Mile Pond Middle		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>7.42</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
STORET #			Temp (C) <u>15.87</u>	pH <u>6.03</u>	Sample Depth <u>0.1</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>69</u>	
Latitude	☒ dd ☐ dms	Longitude	☒ dd ☐ dms	Salinity (ppt) <u>0.03</u>	Comments			
Latitude	☒ dd ☐ dms	Longitude	☒ dd ☐ dms	Salinity (ppt) <u>0.03</u>	Comments			

Relinquished By: <u>Curtis Musson</u>	Date/Time: <u>1/10/2018/1321</u>	Shipping Method	Number of Coolers Shipped: <u>3</u>	Received By: <u>SK</u>	Date/Time: <u>1-10-18/1:22</u>
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Group: A	Bottle Type:	P-1L	# of Bottles: 7	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: A	Bottle Type:	BP-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	P-500ML	# of Bottles: 7	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 7	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab _____
	W-PO4-F					
Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab _____
	W-ICP W-ICPMS					
Group: C	Bottle Type:	P-250ML-WO-THI	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ECOLI-18QT					
Group: D	Bottle Type:	BG-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	W-AHERB-AA W-SUC-AA-R W-UHERB-AA					
Group: E	Bottle Type:	QPCR-P-250ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	PCR-FILTER PCR-HF183					
Group: F	Bottle Type:	QPCR-P-250ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	PCR-FILTER					

Sand, Black, 8, AJ, Harbinwood, Swamp, Salem

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Curtis Musson, Ben Ralys

Project ID: SMP

Collected By: Curtis Musson, Ben Ralys

Sampling Agency: FDEP

Location <i>Not collected</i>	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or <u>grab</u>) Date <u>1/10/18</u> Time	<u>Eastern</u> Central	Composite end Date — Time —	Bottle Group(s) (See pg 2)	
Field ID <u>Meggins Arm Run</u>				Matrix (type, e.g., Salt, <u>Fresh</u> , etc)	Diss. Oxygen <u>mg/L</u> ☐ % sat	Total Res. Chlorine (mg/L)	<u>A, C, D, F</u>	
STORET # <u>Downstream of Shale</u>				Temp (C) <u>14.99</u>	pH <u>7.28</u>	Sample Depth <u>0.05</u>	Sp. Conductance (umho/cm) <u>137</u>	
Latitude <u>30.4804</u>	☒ dd ☐ dms	Longitude <u>-84.2982</u>	☒ dd ☐ dms	Salinity (ppt) <u>0.06</u>	Comments			
Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or <u>grab</u>) Date <u>1/10/18</u> Time <u>12:10</u>	<u>Eastern</u> Central	Composite end Date — Time —	Bottle Group(s)	
Field ID <u>Harbinwood Estates Drain</u>				Matrix (type, e.g., Salt, <u>Fresh</u> , etc)	Diss. Oxygen <u>mg/L</u> ☐ % sat	Total Res. Chlorine (mg/L)	<u>A, B, C, D, F</u>	
STORET #				Temp (C) <u>14.99</u>	pH <u>7.28</u>	Sample Depth <u>0.05</u>	Sp. Conductance (umho/cm) <u>137</u>	
Latitude <u>30.5193</u>	☒ dd ☐ dms	Longitude <u>-84.3357</u>	☒ dd ☐ dms	Salinity (ppt) <u>0.06</u>	Comments			
Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or <u>grab</u>) Date <u>1/10/18</u> Time <u>10:55</u>	<u>Eastern</u> Central	Composite end Date — Time —	Bottle Group(s)	
Field ID <u>Salem Branch</u>				Matrix (type, e.g., Salt, <u>Fresh</u> , etc)	Diss. Oxygen <u>mg/L</u> ☐ % sat	Total Res. Chlorine (mg/L)	<u>C, F, D</u>	
STORET # <u>downtown of SR 159</u>				Temp (C) <u>13.12</u>	pH <u>7.06</u>	Sample Depth <u>0.15</u>	Sp. Conductance (umho/cm) <u>153</u>	
Latitude <u>30.63082</u>	☒ dd ☐ dms	Longitude <u>-84.43155</u>	☒ dd ☐ dms	Salinity (ppt) <u>0.07</u>	Comments			
Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or <u>grab</u>) Date <u>1/10/18</u> Time <u>11:20</u>	<u>Eastern</u> Central	Composite end Date — Time —	Bottle Group(s)	
Field ID <u>Swamp Creek</u>				Matrix (type, e.g., Salt, <u>Fresh</u> , etc)	Diss. Oxygen <u>mg/L</u> ☐ % sat	Total Res. Chlorine (mg/L)	<u>A, C, D</u>	
STORET # <u>Upstream of Railroad</u>				Temp (C) <u>11.38</u>	pH <u>7.11</u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u>69</u>	
Latitude <u>30.663</u>	☒ dd ☐ dms	Longitude <u>-84.448</u>	☒ dd ☐ dms	Salinity (ppt) <u>0.03</u>	Comments			<u>E</u>

Relinquished By: <u>Curtis Musson</u>	Date/Time <u>01/10/2018 / 1321</u>	Shipping Method <u>DROP OFF</u>	Number of Coolers Shipped: <u>3</u>	Received By: <u>SR</u>	Date/Time <u>1-10-18 / 1:22</u>
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Group: A	Bottle Type:	P-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>6</u>
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>6</u>
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 7	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>6</u>
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 7	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	<u>6</u>
	W-PO4-F						
Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	<u>2</u>
	W-ICP						
	W-ICPMS						
Group: C	Bottle Type:	P-250ML-WO-THI	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>7</u>
	ECOLI-18QT						
Group: D	Bottle Type:	BG-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>4</u>
	W-AHERB-AA						
	W-SUC-AA-R						
	W-UHERB-AA						
Group: E	Bottle Type:	QPCR-P-250ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>4</u>
	PCR-FILTER						
	PCR-HF183						
Group: F	Bottle Type:	QPCR-P-250ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>5</u>
	PCR-FILTER						

Date of Request: 07-DEC-2017
 Created By: MUSSON_C On: 07-DEC-2017
 Modified By: SWANSON_C On: 14-DEC-2017
 Customer: WAS-SECT
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District:
 Sampling Event: Sand, Black, 8, AJ, Harbinwood, Swamp, Salem

Send Coolers To:

Phone: 850-245-8453
 2600 Blair Stone Rd

 Tallahassee, FL 32399
 Attn: Curtis Musson

Send Final Report To:

2600 Blair Stone Rd

 Tallahassee, FL 32399
 Attn: Curtis Musson

Program Module Number:
 Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 14-DEC-2017
 Biology Request Reviewed By: SWANSON_C On: 14-DEC-2017
 Sampling Kit Required: YES Ship on: 02-JAN-2018
 Sampling Kit Shipped: YES On: 02-JAN-2018
 Sampling Kit Packed By: SEARSON_C
 Preservatives Needed: NO
 Date to Receive Samples: 10-JAN-2018
 Received By:

Report Type: Final Only
 FTP Data: NO
 QC Report: YES
 Date Log: NO
 Authorization Log: NO

Comments: Group A: Nutrients, CHLA, Physical Aggregates
 Group B: Metals
 Group C: Microbiology (Bacteria)
 Group D: Organics (Wastewater Tracers)
 Group E: PCR HF183, FILTER
 Group F: PCR FILTER

Bottle Group A (Water) With 7 Samples:

Bottle Type: P-1L	Number of Bottles: 7	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
Bottle Type: BP-1L	Number of Bottles: 7	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 7	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 7	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group B (Water) With 2 Samples:

Bottle Type: P-500ML Number of Bottles: 2 Preserved With: HNO3

Bottle Group B (Water) With 2 Samples:

Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: HNO3
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Calcium		
Chromium		
Iron		
Magnesium		
Nickel		
Potassium		
Sodium		
Zinc		
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Arsenic		
Cadmium		
Copper		
Lead		
Silver		

Bottle Group C (Water) With 8 Samples:

Bottle Type:	Number of Bottles: 8	Preserved With: ICE
ECOLI-18QT	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Bottle Group D (Water) With 5 Samples:

Bottle Type: BG-1L	Number of Bottles: 5	Preserved With: ICE
W-AHERB-AA	Template: DEFAULT	(USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS
W-SUC-AA-R	Template: DEFAULT	(EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS
W-UHERB-AA	Template: DEFAULT	(USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Bottle Group E (Water) With 2 Samples:

Bottle Type: QPCR-P-250ML	Number of Bottles: 4	Preserved With: ICE
PCR-FILTER	Template: DEFAULT	(SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis
PCR-HF183	Template: DEFAULT	(SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Bottle Group F (Water) With 3 Samples:

Bottle Type: QPCR-P-250ML	Number of Bottles: 6	Preserved With: ICE
PCR-FILTER	Template: DEFAULT	(SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.