

Log-in Checklist

RQ-2018-02-19-20

Shipping Method: FedEx | UPS ☒ Greyhound | _____

Date/Time of Receipt: 02-21-18/14:45

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	
Red	2-1C	18		✓			
Red	3.6C	13		-			
Red	1.7C	18		-			
BLUE	2-9C	17		✓			

*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 ☐

Micro-Biology Overflow 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-E8321-DI, -MS, -21		☒	W-NP-AA-SF		
W-BNA (-625, -R)			W-PDQUAT		
W-CARB-AA (-CAB-AA-R)			W-PCL-SQ-R		
W-U2060-MS			W-TR-TQ		
W-PCB-R			W-CT-CI-R		
W-PAH (-R)			W-PSNP-TQ		

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

**Acid Preserved Samples: pH ≤ 2.0? Yes ☒ No ☐ NA ☐ Init: ABF

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

Coolers Unpacked/Checked by: ABF Date: 2-21-18 NCRs (Y/N)? —

Event ID: Quincy, Little, Sand, 8, juniper NCR # —
WAS-SECT-2018-02-21-01 (SMP)

Date Received: 21-FEB-2018 14:45

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:

Quincy, Little, Sand, 8, juniper

Central Laboratory Submittal Form

1st revised Jan 25, 2018

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Storrs

Project ID: SMP

Collected By: Ralys / StorrsSampling Agency: FDEP

Location	WIN ID / Field ID	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>2/21/18</u> Time <u>825</u>	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)
Field ID	<u>Sand Pond Middle</u>	Matrix (type, e.g., Salt, Fresh, etc)	<u>Fresh</u>	Diss. Oxygen <u>69.2</u>	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) <u>—</u>
WIN/STORET #	<u>G1WA0044</u>	Temp (C)	<u>21.68</u>	pH	<u>5.39</u>	Sample Depth <u>0.3</u>
Latitude	<u>30.334</u>	Longitude	<u>-84.387</u>	Salinity (ppt)	<u>0.01</u>	Comments
Location	WIN ID / Field ID	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>2/21/18</u> Time <u>910</u>	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID	<u>Eight Mile Pond Middle</u>	Matrix (type, e.g., Salt, Fresh, etc)	<u>Fresh</u>	Diss. Oxygen <u>62.3</u>	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) <u>—</u>
WIN/STORET #	<u>G1WA0024</u>	Temp (C)	<u>22.31</u>	pH	<u>7.13</u>	Sample Depth <u>0.2</u>
Latitude	<u>30.32635</u>	Longitude	<u>-84.30273</u>	Salinity (ppt)	<u>0.05</u>	Comments
Location	WIN ID / Field ID	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>2/21/18</u> Time <u>1030</u>	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID	<u>Juniper Creek Upstream of Juniper Creek Rd.</u>	Matrix (type, e.g., Salt, Fresh, etc)	<u>Fresh</u>	Diss. Oxygen <u>48.7</u>	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) <u>—</u>
WIN/STORET #	<u>G1WA0059</u>	Temp (C)	<u>19.66</u>	pH	<u>5.60</u>	Sample Depth <u>0.3</u>
Latitude	<u>30.531</u>	Longitude	<u>-84.736</u>	Salinity (ppt)	<u>0.04</u>	Comments
Location	WIN ID / Field ID	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>2/21/18</u> Time <u>1115</u>	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID	<u>Quincy Creek upstream of SR 268</u>	Matrix (type, e.g., Salt, Fresh, etc)	<u>Fresh</u>	Diss. Oxygen <u>76.6</u>	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) <u>—</u>
WIN/STORET #	<u>G1WA0051</u>	Temp (C)	<u>19.75</u>	pH	<u>6.84</u>	Sample Depth <u>0.2</u>
Latitude	<u>30.597</u>	Longitude	<u>-84.598</u>	Salinity (ppt)	<u>0.03</u>	Comments

Relinquished By: <u>[Signature]</u>	Date/Time: <u>2/21/18 1445</u>	Shipping Method: <u>Drop off</u>	Number of Coolers Shipped: _____	Received By: <u>[Signature]</u>	Date/Time: <u>2-21-18 1445</u>
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Group: A	Bottle Type: P-1L	# of Bottles: 8	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>4/9/11</u> <u>8</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: 8	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>4/9/11</u> <u>8</u>
	CHLSUITE-W				
Group: A	Bottle Type: P-500ML	# of Bottles: 8	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>4/9/11</u> <u>8</u>
	W-NH3				
	W-NO2NO3				
	W-S-A-TP				
	W-TKN				
	W-TOC				
Group: A	Bottle Type: P-125ML	# of Bottles: 8	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	<u>4/9/11</u> <u>8</u>
	W-PO4-F				
Group: B	Bottle Type: P-500ML	# of Bottles: 5	Preservative: HNO3	Enter Number of Bottles Sent to Lab	<u>4/9/11</u> <u>5</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>4/9/11</u> <u>8</u>
	ECOLI-18QT				
Group: D	Bottle Type: BG-1L	# of Bottles: 7	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>4/9/11</u> <u>7</u>
	W-AHERB-AA				
	W-SUC-AA-R				
	W-UHERB-AA				
Group: E	Bottle Type: QPCR-P-250ML	# of Bottles: 8	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>4/9/11</u> <u>8</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>4/9/11</u> <u>6</u>
	PCR-FILTER				

Quincy, Little, Sand, 8, Juniper

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Storrs

Project ID: SMP

Collected By: Ralys / StorrsSampling Agency: FDEP

Location Quincy Creek		WIN ID / Field ID	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>2/21/18</u> Time <u>1140</u>	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)	
Field ID upstream of			Matrix (type, e.g., Salt, Fresh, etc.) <u>Fresh</u>		Diss. Oxygen <u>72.2</u> ☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) <u>—</u>	<u>A, B, C</u>	
WIN/STORET # SR 267		Q1WA0050	Temp (C) <u>18.65</u>	pH <u>6.63</u>	Sample Depth <u>0.3</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>64</u>	<u>D, E</u>	
Latitude <u>30.600</u>	☒ dd ☐ dms	Longitude <u>-84.581</u>	☒ dd ☐ dms	Salinity (ppt) <u>0.03</u>	Comments			
Location Quincy Creek		WIN ID / Filed ID	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>2/21/18</u> Time <u>1208</u>	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)	
Field ID upstream of			Matrix (type, e.g., Salt, Fresh, etc.) <u>Fresh</u>		Diss. Oxygen <u>74.3</u> ☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) <u>—</u>	<u>A, B, C</u>	
WIN/STORET # SR 65		Q1WA0049	Temp (C) <u>18.94</u>	pH <u>6.77</u>	Sample Depth <u>0.15</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>68</u>	<u>D, E</u>	
Latitude <u>30.599</u>	☒ dd ☐ dms	Longitude <u>-84.576</u>	☒ dd ☐ dms	Salinity (ppt) <u>0.03</u>	Comments			
Location Quincy Creek		WIN ID / FIELD ID	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>2/21/18</u> Time <u>1320</u>	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)	
Field ID 100 meters upstream of			Matrix (type, e.g., Salt, Fresh, etc.) <u>Fresh</u>		Diss. Oxygen <u>78.6</u> ☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) <u>—</u>	<u>A, B, C</u>	
WIN/STORET # Ralph Strong Rd.		Q1WA0018	Temp (C) <u>19.59</u>	pH <u>6.72</u>	Sample Depth <u>0.3</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>72</u>	<u>D, E</u>	
Latitude <u>30.5837</u>	☒ dd ☐ dms	Longitude <u>-84.5503</u>	☒ dd ☐ dms	Salinity (ppt) <u>0.03</u>	Comments			
Location Little River		WIN ID/Field ID	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>2/21/18</u> Time <u>1345</u>	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)	
Field ID 100 meters upstream of US 90			Matrix (type, e.g., Salt, Fresh, etc.) <u>Fresh</u>		Diss. Oxygen <u>78.2</u> ☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) <u>—</u>	<u>A, B, C, D</u>	
WIN/STORET #		Q1WA0073	Temp (C) <u>19.88</u>	pH <u>6.65</u>	Sample Depth <u>0.3</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>101</u>	<u>D</u>	
Latitude <u>30.554619</u>	☒ dd ☐ dms	Longitude <u>-84.513191</u>	☒ dd ☐ dms	Salinity (ppt) <u>0.05</u>	Comments			

Relinquished By: 	Date/Time <u>2/21/18 1445</u>	Shipping Method <u>Drop off</u>	Number of Coolers Shipped:	Received By: 	Date/Time <u>2-21-18/1445</u>
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Group: A	Bottle Type:	P-1L	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	8
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	8
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 8	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	8
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 8	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	8
	W-PO4-F						
Group: B	Bottle Type:	P-500ML	# of Bottles: 5	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	5
	W-ICP						
	W-ICPMS						
Group: C	Bottle Type:	P-250ML-WO-THI	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	8
	ECOLI-18QT						
Group: D	Bottle Type:	BG-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
	W-AHERB-AA						
	W-SUC-AA-R						
	W-UHERB-AA						
Group: E	Bottle Type:	QPCR-P-250ML	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	8
	PCR-FILTER						
	PCR-HF183						
Group: F	Bottle Type:	QPCR-P-250ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
	PCR-FILTER						

Date of Request: 23-JAN-2018
 Created By: MUSSON_C On: 23-JAN-2018
 Modified By: SWANSON_C On: 01-FEB-2018
 Customer: WAS-SECT
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District:
 Sampling Event: Quincy, Little, Sand, 8, juniper

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: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 31-JAN-2018
 Biology Request Reviewed By: SWANSON_C On: 01-FEB-2018
 Sampling Kit Required: YES Ship on: 16-FEB-2018
 Sampling Kit Shipped: YES On: 14-FEB-2018
 Sampling Kit Packed By: SEARSON_C
 Preservatives Needed: NO
 Date to Receive Samples: 21-FEB-2018
 Received By: SHAIK_A On: 21-FEB-2018

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

Comments: Group A: Freshwater Kit
 Group B: Metals
 Group C: E. coli
 Group D: Tracers (Aherb Short List)
 Group E: PCR-FILTER, PCR-HF183
 Group F: PCR-FILTER

Bottle Group A (Water) With 8 Samples:

Bottle Type: P-1L	Number of Bottles: 8	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO ₃ /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: 8	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: 8	Preserved With: ICE And H ₂ SO ₄
W-NH ₃	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO ₂ NO ₃	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: 8	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 5 Samples:

Bottle Type: P-500ML Number of Bottles: 5 Preserved With: HNO₃

Bottle Group B (Water) With 5 Samples:

Bottle Type: P-500ML Number of Bottles: 5 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 7 Samples:

Bottle Type: BG-1L Number of Bottles: 7 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 4 Samples:

Bottle Type: QPCR-P-250ML Number of Bottles: 8 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.