

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Request Number: RQ-2017-02-06-34

Page ____ of ____

Little River, Quincy Creek, Megginnis Arm

Requester: Benjamin Ralys

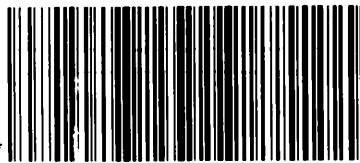
Field Report Prepared By: Ben Ralys

Customer: WQAP

Sampling Agency: FDEP

Project ID: SMP

Collected By: Ben Ralys Phil Homann

Quincy Creek upstream of SR 268 Field ID →  Quincy Creek upstream of SR 268 FEB. 07, 2017 STORET ↓  G1WA0051 G1WA0051-02072017	☐ Comp ☒ Grab Collection (comp begin or grab) Date <u>2/7/2017</u> Time <u>0925</u> Eastern Central Matrix (Salt, <u>Fresh</u>) Diss. Oxygen (mg/L) <u>12.46</u> Temp (C) <u>13.22</u> pH <u>7.11</u> Sample Depts (m) <u>0.3</u> Sp. Conductance (umho/cm) <u>68</u> Salinity (ppt) <u>0.03</u> Comments <u>we changed sites and added 1 metals bottle</u> Latitude (Decimal Degrees) <u>30.597</u> Longitude (Decimal Degrees) <u>-84.598</u>	Bottle Group(s) A
Little River 100 meters upstream of SR 12 Field ID →  Little River 100 meters upstream of SR 12 FEB. 07, 2017 STORET ↓  G1WA0020 G1WA0020-02072017	☐ Comp ☒ Grab Collection (comp begin or grab) Date <u>2/7/2017</u> Time <u>1015</u> Eastern Central Matrix (Salt, <u>Fresh</u>) Diss. Oxygen (mg/L) <u>11.57</u> Temp (C) <u>13.74</u> pH <u>6.83</u> Sample Depts (m) <u>0.3</u> Sp. Conductance (umho/cm) <u>83</u> Salinity (ppt) <u>0.04</u> Comments Latitude (Decimal Degrees) <u>30.5882</u> Longitude (Decimal Degrees) <u>-84.4957</u>	Bottle Group(s) B
Salem Branch downstream of SR 159 Field ID →  Salem Branch downstream of SR 159 FEB. 07, 2017 STORET ↓  G1WA0053 G1WA0053-02072017	☐ Comp ☒ Grab Collection (comp begin or grab) Date <u>2/7/17</u> Time <u>1050</u> Eastern Central Matrix (Salt, <u>Fresh</u>) Diss. Oxygen (mg/L) <u>11.47</u> Temp (C) <u>15.07</u> pH <u>7.14</u> Sample Depts (m) <u>0.3</u> Sp. Conductance (umho/cm) <u>112</u> Salinity (ppt) <u>0.05</u> Comments Latitude (Decimal Degrees) <u>30.36</u> Longitude (Decimal Degrees) <u>-84.432</u>	Bottle Group(s) C

Relinquished By: BR

Date/Time 2/7/2017 1:43

Number of Coolers 2

Received By: ABP

Date/Time 2-7-17 1:43

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Request Number: RQ-2017-02-06-34

Page ____ of ____

Little River, Quincy Creek, Megginnis Arm

Requester: Benjamin Ralys

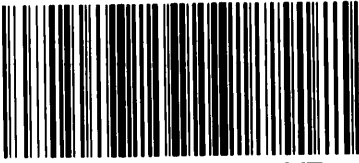
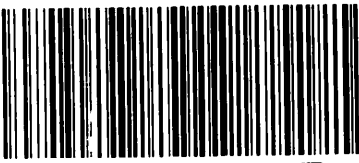
Field Report Prepared By: Ben Ralys

Customer: WQAP

Sampling Agency: FDEP

Project ID: SMP

Collected By: Ben Ralys, Phil Homann

Location Swamp Creek upstream of Railroad Field ID →  ST Swamp Creek upstream of Railroad FEB. 07, 2017 STORET ↓  G1WA0052 G1WA0052-02072017	Collection (comp begin or grab) ☐ Comp ☒ Grab Date <u>2/7/2017</u> Time <u>1115</u> Matrix (Salt, <u>Fresh</u>) Diss. Oxygen (mg/L) <u>11.50</u> Temp (C) <u>13.94</u> pH <u>6.91</u> Salinity (ppt) <u>0.04</u> Comments Latitude (Decimal Degrees) <u>30.663</u> Longitude (Decimal Degrees) <u>-84.448</u>	Bottle Group(s) <u>B</u>
Location Megginnis Arm Run Downstream of Sharer Field ID →  Megginnis Arm Run Downstream of Sharer FEB. 07, 2017 STORET ↓  G1WA0033 G1WA0033-02072017	Collection (comp begin or grab) ☐ Comp ☒ Grab Date <u>2/7/2017</u> Time <u>1245</u> Matrix (Salt, <u>Fresh</u>) Diss. Oxygen (mg/L) <u>11.45</u> Temp (C) <u>18.69</u> pH <u>7.46</u> Salinity (ppt) <u>0.14</u> Comments Latitude (Decimal Degrees) <u>30.4804</u> Longitude (Decimal Degrees) <u>-84.2982</u>	Bottle Group(s) <u>A</u>
Location Field ID STORET #	Collection (comp begin or grab) ☐ Comp ☒ Grab Date <u>2/7/2017</u> Time Matrix (Salt, <u>Fresh</u>) Diss. Oxygen (mg/L) Temp (C) pH Salinity (ppt) Comments Latitude (Decimal Degrees) Longitude (Decimal Degrees)	Bottle Group(s)

Relinquished By:

Br Rm

Date/Time

2/7/2017

1:43

Number of Coolers

2

Received By:

AR

Date/Time

2-7-17 / 13:43

Date of Request: 13-JAN-2017
 Created By: MUSSON_C On: 13-JAN-2017
 Modified By: MATTHEWS_D On: 19-JAN-2017
 Customer: WQ-ASSESS
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District:
 Sampling Event: Megginnis Arm, Tallavanna, Little River, Swamp Creek, Salem Branch

Send Coolers To:

Phone: 850-245-8453
 Division Of Water Facilities, FL DEP
 2600 Blair Stone Rd.
 Tallahassee, FL 32399-2400
 Attn: Curtis Musson

Program Module Number:
 Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 19-JAN-2017
 Biology Request Reviewed By: MATTHEWS_D On: 19-JAN-2017
 Sampling Kit Required: YES Ship on: 03-FEB-2017
 Sampling Kit Shipped: YES On: 02-FEB-2017
 Sampling Kit Packed By: KITCHEN_S
 Preservatives Needed: NO
 Date to Receive Samples: 07-FEB-2017
 Received By: SHAIK_A On: 07-FEB-2017

Send Final Report To:

Division Of Water Facilities, FL DEP
 2600 Blair Stone Rd.
 Tallahassee, FL 32399-2400
 Attn: Curtis Musson

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

Comments: Group A: Freshwater Kit, No Metals; E. coli
 Group B: Freshwater Kit, No Metals; E. coli; Tracers; Markers
 Group C: E. coli; Tracers; Markers

Bottle Group A (Water) With 2 Samples:

Bottle Type: P-1L	Number of Bottles: 2	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: 2	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Bottle Type:	Number of Bottles: 2	Preserved With: ICE
ECOLI-18QT	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems
Bottle Type: P-500ML	Number of Bottles: 2	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: 2	Preserved With: ICE-FLTR
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: ICE And H2SO4

Bottle Group B (Water) With 2 Samples:

Bottle Type: P-500ML	Number of Bottles: 2	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: 2	Preserved With: ICE-FLTR
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L
Bottle Type: BG-1L	Number of Bottles: 2	Preserved With: ICE
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 Type: P-1L	Number of Bottles: 2	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: 2	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Bottle Type:	Number of Bottles: 2	Preserved With: ICE
ECOLI-18QT	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems
Bottle Type: QPCR-P-250ML	Number of Bottles: 4	Preserved With: ICE
PCR-FILTER	Template:	(SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis

Bottle Group C (Water) With 1 Samples:

Bottle Type:	Number of Bottles: 1	Preserved With: ICE
ECOLI-18QT	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems
Bottle Type: QPCR-P-250ML	Number of Bottles: 2	Preserved With: ICE
PCR-FILTER	Template:	(SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis
Bottle Type: BG-1L	Number of Bottles: 1	Preserved With: ICE
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

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

ICP

Ca, Cd, Fe, Mg, Ni, Pb, Na, Zn

ICPMS

As, Cd, Cu, Pb, Ag.

Log-in Checklist

RQ- 2017-02-06-34

Shipping Method: H.D

Date/Time of Receipt: 02-07-17 / 13:43

Cooler ID	Cooler Temperature*	No. Sample Containers in Cooler	Evidence Tape		*Intact?		Tracking # (fill out only if waybill copy is damaged)
			Present?		Yes	No	
<u>REV</u>	<u>2.7C</u>	<u>13</u>		<u>/</u>			
<u>BLUE</u>	<u>1-4C</u>	<u>18</u>		<u>/</u>			

*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: AB

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

Coolers Unpacked/Checked by: AB Date: 02-07-17 NCRs (Y/N)? /

Event ID: Megginnis Arm, Tallavanna, Little

WQ-ASSESS-2017-02-07-01 (SMP)

Date Received: 07-FEB-2017 13:43

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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:

Shaik, Amzad

From: Ralys, Benjamin
Sent: Tuesday, February 07, 2017 14:26
To: Shaik, Amzad
Subject: metals bottle for Quincy Creek

Hi Amzad,

We need to include the following for the metals bottle collected at Quincy Creek.

W-ICP

Calcium
Chromium
Iron
Magnesium
Nickel
Potassium
Sodium
Zinc

W-ICPMS

Arsenic
Cadmium
Copper
Lead
Silver

If you have any questions please let me know.

Thanks,

Ben Ralys
Environmental Specialist II
Watershed Assessment Section
Water Quality Assessment Program
Florida Department of Environmental Protection

From: [Ralys, Benjamin](#)
To: [White, Ramsey](#)
Subject: Sample Depth change to C of C
Date: Wednesday, February 15, 2017 11:37:40 AM

Hi Ramsey,

When I filled out the Chain of Custody for RQ 2017-02-06-34 on February 7th, I made a mistake. Would you mind changing the sample depth in LIMS for Quincy Creek (station G1WA0051) to 0.1 meters, instead of 0.3 meters?

Thanks,

Ben Ralys
Environmental Specialist II
Watershed Assessment Section
Water Quality Assessment Program
Florida Department of Environmental Protection