

Reaves, Shawn D

To: Parrish, Jeremy M.
Subject: RE: RQ-2019-11-18-13

Shawn D. Reaves
DEP-Lab Support
Environmental Specialist I
Office: 850-245-8082
Direct: 58082
Email: Shawn.Reaves@FloridaDEP.gov

From: Parrish, Jeremy M. <Jeremy.M.Parrish@dep.state.fl.us>
Sent: Tuesday, November 19, 2019 3:22 PM
To: Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>
Subject: Re: RQ-2019-11-18-13

The later mill log creek

Jeremy

Sent from my Verizon, Samsung Galaxy smartphone

----- Original message -----

From: "Reaves, Shawn D" <Shawn.Reaves@FloridaDEP.gov>
Date: 11/19/19 1:24 PM (GMT-05:00)
To: "Parrish, Jeremy M." <Jeremy.M.Parrish@dep.state.fl.us>, "Davis, Brian G." <Brian.G.Davis@dep.state.fl.us>
Subject: RQ-2019-11-18-13

Can you please verify the station name for Field ID:20030204 it seems to be to many L's in Milllog Cr. Or should be Mill Log Cr?

Thanks

Shawn D. Reaves
DEP-Lab Support
Environmental Specialist I
Office: 850-245-8082
Direct: 58082
Email: Shawn.Reaves@FloridaDEP.gov

Klug, Kyle

From: Davis, Brian G.
Sent: Monday, November 18, 2019 4:10 PM
To: Lab.Receiving
Subject: New updated times for COC RQ-11-18-13
Attachments: RQ-2019-11-18-13.pdf

Apparently all the times were wrong so we updated it just now.

Brian Davis
Environmental Specialist II
Department of Environmental Assessment and Restoration
FDEP - North East District
904-256-1541

Klug, Kyle

From: Davis, Brian G.
Sent: Monday, November 18, 2019 3:27 PM
To: Lab.Receiving
Subject: COC RQ-2019-11-18-13
Attachments: RQ-2019-11-18-13.pdf

COC for this RQ-2019-11-18-13

Log-in Checklist

RQ- 2019-11-18-13

Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 11/ 19 /19 @ 9:50

Cooler Temperature*	Samples Frozen	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # Damaged waybills only
					Present?		*Intact?		
	YES	HNO ₃	Formalin		Yes	No	Yes	No	
6.7				8		✓			4751 8782 5514
2.2				12		✓			1278 4008 2494

* HNO₃ and Formalin

* HNO3 and Formalin persevered samples do **NOT** have a temperature requirement. For all others, if the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), or if Evidence Seal is damaged. Identify the containers in the affected cooler(s) on back of this form. **DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C) without login confirmation from customer for samples requiring ice preservation. An NCR still is required.**

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

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes ✓ No

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

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 REQUIRED? (Blue dot on container)

Yes No ✓ Init: KK

Chlorine detected? (One container checked per Field ID)

Yes No Init:

If "YES", list affected Field IDs and Test IDs below.

Field ID	List TestID(s) where Chlorine was Detected, an NCR is required.

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

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

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

Coolers Unpacked/Checked by: KK Date: 11/ 19 /19

NCRs (Y/N)? N

Event ID: LSJR South West Boat
NE-DIST-2019-11-19-01 (SMP)
Date Received: 19-NOV-2019 09:50

NCR #

Log-in Checklist

Samples with Incorrect pH Preservation

Field ID	Bottle Test ID(s)	pH	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

Additional Comments:

Infrared Thermometer ID:	REC_07_2018 EXP:12/28/19
pH Test Strips 0 – 6 Lot #	
pH Paper 0 – 3 Lot #	220416A EXP:7/30/20
pH Paper 0 – 13 Lot #	215517 EXP:6/1/20
Chlorine Test Strips Lot #	091417V EXP:9/2021

ENCORE SAMPLES

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

Were Encore samples received? Yes _____ No X

Date and time placed in freezer _____

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

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: _____



Florida Department of Environmental Protection
Strategic Monitoring Program
Field Sheet
September 2019

Data Qualified?

Yes / No
☐ ☒

WIN Station Name BLACK CR @ RR BRIDGE BELOW MILLLOG CR

Date: 11/18/2019

WIN/Field ID: 20030204

WBID: 2415A

ENR:

Latitude: 30.0806

County: CLAY

Org ID: 21FLA

Longitude: -81.7611

Receiving Body of Water: Lower St. Johns

RQ-2019- 11-18-13

Sampling Team Members

	WQ MEASUREMENTS	SAMPLE COLLECTION	DOCUMENTATION	PRESERVATION	PRESERVATION CHECK
☒ Jeremy Parrish	X	X	X	X	X
☐ Amy Kalmbacher					
☐ Kimberly Applebee					
☒ Brian Davis	X	X	X	X	X

SAMPLE EQUIPMENT

- ☒ Sample Container ☐ Carboy
☐ Dipper ☐ Van Dorn ☐ Syringe
☐ Pole

Depth measured with:
Secchi Equipment ID:

COLLECTION METHOD

- ☐ Wading ☐ From Shore
☐ Canoe/Kayak ☐ Electric Motor
☒ Gasoline Motor

WATER LEVEL	☐ Normal ☐ Low ☒ High ☐ Dry ☐ Pooled ☐ Flooded					METER ID			
FLOW	FLOWING	PHOTOS		TIDE		HIGH TIDE		LOW TIDE	
BIOLOGICAL SAMPLES	☐ SCI ☐ HA ☐ RPS ☐ LVS ☐ Algae ID ☐ LVI								
SBIO ID NUMBERS	SBIO-ID:		HA-ID:		RPS-ID:		MACROPHYTE-ID:		LIMS#
NOTES:									

Duplicate Sample

Time Zone:		Time:		Field ID:	
WIN DMT Activity ID:					

Blank

Time Zone:		Time:		Field ID:	
DI Source:			Location:		
DI Type:			Equipment ID:		

LIMS EVENT ID:

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT:

QC Station ID, Field Parameters In LIMS DMT:

Scan/Save Field Sheets:

Migrate Data to WIN:

Verify Data in WIN:

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: YSI VESI RQ: 2019-11-18-13 Project: LSR SW Boat

- 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 10/2019

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.	J Parrish	11/18/19	730	22.0	758	8.7	8.7	99.9	—	1045	P/F	L/F
ICV	J	+	732	22.0	758	8.75	8.76	100.0	—	1045	P/F	L/F
CCV	B Davis	↓	1450	20.4	755.4	9.0	8.99	99.6	—	1045	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.	J Parrish	11/18/19	734	190711B	7/20	1000	1000	P/F	L/F
ICV	J	11/18/19	735	190711A	7/20	100	104	P/F	L/F
CCV	B Davis	↓	1449	190711B	7/20	1000	999	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.	J Parrish	11/18/19	745	2902778	1/21	7.00	22.5	7.01	31.5	P/F	L/F
Calibr.	J	+	747	2907062	7/21	4.00	22.6	4.00	147	P/F	L/F
Calibr.	J	+	748	2904E91	10/20	10.00	22.6	10.03	204.3	P/F	L/F
ICV	J	+	749	2907062	7/21	4.0	22.3	4.06	146.5	P/F	L/F
CCV	B Davis	↓	1451	2902778	1/21	7.01	22.9	7.01	29.2	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: 10/19

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	J Parrish	11/18/19	749	0.00	0.00	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:

RQ-2019-11-18-13				Collected By: Jeremy Parrish , Brian Davis	
Customer:	WQAP	Project ID:	SMP	Field Report Prepared By: Jeremy Parrish , Brian Davis	
Sampling Agency:	FDEP			Location:	BLACK CR @ RR BRIDGE BELOW MILLLOG CR
WIN/Field ID:	20030204				
Comments:					
Water Quality				Matrix:	Fresh
				Check One:	☒ Grab
Date	Time	Sample Depth	Secchi (m)	Total Depth (m)	Temp C
11/18/2019	10:25	0.3	0.6	10.3	16.4
		7.2			16.8
					pH
					6.01
					6
					D.O. (mg/L)
					4.9
					4.8
					D.O. (%)
					50.1
					49
					Cond. (umho/cm)
					93
					93
					Salinity (ppt)
					0.04
					0.04
Parameter Suite		Parameter Methods			Preservation
Preserved Nutrients (BP-1L)		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP			☒ H2SO4
		Lot: Sa9203100			Exp: 7/22/20
Metals (P-500ML)		☐ W-ICP, W-ICPMS			☐ Ice
		Lot:			Exp:
Filtered Nutrients (P125ML)		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter			☒ Ice
Chlorophyll (BP-1L)		☒ CHLSUITE-W			☒ Ice
Physical/Aggregate (Fresh) (P-1L)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS			☒ Ice
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS /			☐ Ice
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC			☐ Ice ☐ Formalin
Periphyton (PT-50ML)		☐ ALGAE-ID			☐ Ice
Microbiology (Contract Lab Bottle)		☒ E. coli ☐ Fecal ☐ Enterococci			☒ Ice
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-DG3 ☐ PCR-GFD			☐ Ice
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS			☐ Ice
Pesticides (BG-500ML) (BG-1L)		☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ ARB-AA ☐ W-PCL-SQ-R ☐ W-E8321- ☐ 8321-DI			☐ Ice
Phytoplankton		☐ DTN-QN-C			☐ Ice
Relinquished By: Jeremy Parrish , Brian Davis		Date/Time 11/18/2019 9:00 PM		Number of Coolers Shipped: 2	Received By: <i>AK</i>
					Date/Time 11-19-19 / 0950



Florida Department of Environmental Protection
Strategic Monitoring Program
Field Sheet

September 2019

Data Qualified?

Yes / No
☐ ☒

WIN Station Name Mill Log Cr Downstream of Test Site

Date: 11/18/2019

WIN/Field ID: 20030304

WBID: 2423

ENR:

Latitude: 30.0792

County: CLAY

Org ID: 21FLA

Longitude: -81.7608

Receiving Body of Water: Lower St. Johns

RQ-2019- 11-18-13

Sampling Team Members	WQ MEASUREMENTS	SAMPLE COLLECTION	DOCUMENTATION	PRESERVATION	PRESERVATION CHECK
☒ Jeremy Parrish	X	X	X	X	X
☐ Amy Kalmbacher					
☐ Kimberly Applebee					
☒ Brian Davis	X	X	X	X	X

SAMPLE EQUIPMENT
☒ Sample Container ☐ Carboy ☐ Dipper ☐ Van Dorn ☐ Syringe ☒ Pole
Depth measured with: <u>Meter</u> Secchi Equipment ID:
COLLECTION METHOD
☐ Wading ☒ From Shore ☐ Canoe/Kayak ☐ Electric Motor ☐ Gasoline Motor

WATER LEVEL	☐ Normal ☐ Low ☒ High ☐ Dry ☐ Pooled ☐ Flooded	METER ID	DESI
FLOW	FLOWING	PHOTOS	TIDE FALLING HIGH TIDE 500 LOW TIDE 1044
BIOLOGICAL SAMPLES	☐ SCI ☐ HA ☐ RPS ☐ LVS ☐ Algae ID ☐ LVI		
SBIO ID NUMBERS	SBIO-ID:	HA-ID:	RPS-ID: MACROPHYTE-ID: LIMS#
NOTES:	VOB		

Duplicate Sample

Time Zone:	Time:	Field ID:
WIN DMT Activity ID:		

Blank

Time Zone:	Time:	Field ID:
DI Source:	Location:	
DI Type:	Equipment ID:	

LIMS EVENT ID:

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets:

Migrate Data to WIN:

Verify Data in WIN:

RQ-2019-11-18-13				Collected By: Jeremy Parrish , Brian Davis	
Customer:	WQAP	Project ID:	SMP	Field Report Prepared By: Jeremy Parrish , Brian Davis	
Sampling Agency:	FDEP			Location: Mill Log Cr Downstream of Test Site	
WIN/Field ID:	20030304				
				Comments:	
Water Quality				Matrix:	Fresh
				Check One:	☒ Grab
Date	Time	Sample Depth	Secchi (m)	Total Depth (m)	Temp C
11/18/2019	10:05	0.15	0.3	0.3	14.6
					6.04
Parameter Suite		Parameter Methods			Preservation
Preserved Nutrients (BP-1L)		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP Lot: SA8344070 Exp: 12-10-19			☒ H2SO4 ☒ pH < 2
Metals (P-500ML)		☐ W-ICP, W-ICPMS Lot: Exp:			☐ Ice ☐ HNO3 ☐ pH < 2
Filtered Nutrients (P125ML)		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter			☒ Ice 1 A
Chlorophyll (BP-1L)		☒ CHLSUITE-W			☒ Ice 1 A
Physical/Aggregate (Fresh) (P-1L)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS			☒ Ice 1 A
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS /			☐ Ice A
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC			☐ Ice ☐ Formalin
Periphyton (PT-50ML)		☐ ALGAE-ID			☐ Ice
Microbiology (Contract Lab Bottle)		☒ E. coli ☐ Fecal ☐ Enterococci			☒ Ice 1 A
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD			☐ Ice A
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS			☐ Ice A
Pesticides (BG-500ML) (BG-1L)		☐ W-PSNP-TQ ☐ W-PCL-SQ-R ☐ W-CT-CL-R ☐ W-E8321- ☐ ARB-AA ☐ 8321-DI			☐ Ice A
Phytoplankton		☐ DTN-QN-C			☐ Ice A
Relinquished By: Jeremy Parrish , Brian Davis		Date/Time 11/18/2019 9:00 PM	Number of Coolers Shipped: 2		Received By: <i>KH</i> Date/Time 11.19.19 / 0950



Florida Department of Environmental Protection
Strategic Monitoring Program
Field Sheet
September 2019

Data Qualified?

Yes ☐ No ☒

WIN Station Name South fork Black creek upstream of North Fork Black cr **Date:** 11/18/2019
WIN/Field ID: G2NE1127 **WBID:** 2415C **ENR:** **Latitude:** 30.0721
County: CLAY **Org ID:** 21FLA **Longitude:** -81.8489
Receiving Body of Water: Lower St. Johns **RQ-2019-** 11-18-13

Sampling Team Members	WQ MEASUREMENTS	SAMPLE COLLECTION	DOCUMENTATION	PRESERVATION	PRESERVATION CHECK
☒ Jeremy Parrish	X	X	X	X	X
☐ Amy Kalmbacher					
☐ Kimberly Applebee					
☒ Brian Davis	X	X	X	X	X

SAMPLE EQUIPMENT
☒ Sample Container ☐ Carboy ☐ Dipper ☐ Van Dorn ☐ Syringe ☐ Pole
Depth measured with: Secchi Equipment ID:
COLLECTION METHOD
☐ Wading ☐ From Shore ☐ Canoe/Kayak ☐ Electric Motor ☒ Gasoline Motor

WATER LEVEL	☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded	METER ID	
FLOW	FLOWING	PHOTOS	
BIOLOGICAL SAMPLES	☐ SCI ☐ HA ☐ RPS ☐ LVS ☐ Algae ID ☐ LVI	TIDE	FALLING
SBIO ID NUMBERS	SBIO-ID:	HA-ID:	RPS-ID:
NOTES:			

Duplicate Sample

Time Zone:		Time:		Field ID:	
WIN DMT Activity ID:					

Blank

Time Zone:		Time:		Field ID:	
DI Source:		Location:			
DI Type:		Equipment ID:			

LIMS EVENT ID: WIN Import ID:
Enter Field Parameters, Verify Station ID In LIMS DMT: QC Station ID, Field Parameters In LIMS DMT:
Scan/Save Field Sheets: Migrate Data to WIN: Verify Data in WIN:

RQ-2019-11-18-13					Collected By: Jeremy Parrish , Brian Davis					
Customer:	WQAP	Project ID:	SMP	Field Report Prepared By: Jeremy Parrish , Brian Davis						
Sampling Agency:	FDEP			Location: South fork Black creek upstream of North Fork Black cr						
WIN/Field ID:	G2NE1127									
Comments:										
Water Quality				Matrix:	Fresh	Check One: ☒ Grab				
Date	Time	Sample Depth	Secchi (m)	Total Depth (m)	Temp C	pH	D.O. (mg/L)	D.O. (%)	Cond. (umho/cm)	Salinity (ppt)
11/18/2019	11:50	0.3	1	2.9	15.2	6.06	7.66	76.5	69.8	0.03
		2.3			15	6.02	7.63	75.7	69.6	0.03
Parameter Suite		Parameter Methods				Preservation		pH Check	#Bottle Sent to Lab	Bottle Group
Preserved Nutrients (BP-1L)		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP Lot: SA9203100 Exp: 7/22/20				☒ ☒ H2SO4		☒ pH < 2	1	A
Metals (P-500ML)		☐ W-ICP, W-ICPMS Lot: Exp:				☐ Ice ☐ HNO3		☐ pH < 2		A
Filtered Nutrients (P125ML)		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice			1	A
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice			1	A
Physical/Aggregate (Fresh) (P-1L)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS				☒ Ice			1	A
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS /				☐ Ice				A
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				☐ Ice ☐ Formalin				
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice				
Microbiology (Contract Lab Bottle)		☒ E. coli ☐ Fecal		☐ Enterococci		☒ Ice			1	A
Molecular (QPCR-P-500ML)		☐ PCR-HF183		☐ PCR-BacR ☐ PCR-DG3		☐ PCR-GULL2 ☐ PCR-GFD		☐ Ice		A
Tracers (BG-500ML)		☐ W-E8321-DI		☐ W-E8321-MS		☐ Ice				A
Pesticides (BG-500ML) (BG-1L)		☐ W-PSNP-TQ ☐ W-CT-CL-R		☐ W-PCL-SQ-R ☐ W-E8321-		☐ ARB-AA ☐ 8321-DI		☐ Ice		A
Phytoplankton		☐ DTN-QN-C				☐ Ice				A
Relinquished By: Jeremy Parrish , Brian Davis		Date/Time 11/18/2019 9:00 PM		Number of Coolers Shipped: 2		Received By: KVK		Date/Time 11.19.19 / 0950		



Florida Department of Environmental Protection
Strategic Monitoring Program
Field Sheet

September 2019

Data Qualified?

Yes ☐ No ☒

WIN Station Name Little Black Creek 200m above mouth Date: 11/18/2019
WIN/Field ID: G2NE1184 WBID: 2368 ENR: Latitude: 30.0855
County: CLAY Org ID: 21FLA Longitude: -81.7884
Receiving Body of Water: Lower St. Johns RQ-2019- 11-18-13

Sampling Team Members	WQ MEASUREMENTS	SAMPLE COLLECTION	DOCUMENTATION	PRESERVATION	PRESERVATION CHECK
☒ Jeremy Parrish	X	X	X	X	X
☐ Amy Kalmbacher					
☐ Kimberly Applebee					
☒ Brian Davis	X	X	X	X	X

SAMPLE EQUIPMENT
☒ Sample Container ☐ Carboy ☐ Dipper ☐ Van Dorn ☐ Syringe ☐ Pole
Depth measured with: <u>Sonar</u> Secchi Equipment ID: <u></u>
COLLECTION METHOD
☐ Wading ☐ From Shore ☐ Canoe/Kayak ☐ Electric Motor ☒ Gasoline Motor

WATER LEVEL	☐ Normal ☐ Low ☒ High ☐ Dry ☐ Pooled ☐ Flooded	METER ID	DESI
FLOW	FLOWING	PHOTOS	TIDE FALLING HIGH TIDE 500 LOW TIDE 1044
BIOLOGICAL SAMPLES	☐ SCI ☐ HA ☐ RPS ☐ LVS ☐ Algae ID ☐ LVI		
SBIO ID NUMBERS	SBIO-ID:	HA-ID:	RPS-ID: MACROPHYTE-ID: LIMS#
NOTES:			

Duplicate Sample

Time Zone:	Time:	Field ID:
WIN DMT Activity ID:		

Blank

Time Zone:	Time:	Field ID:
DI Source:	Location:	
DI Type:	Equipment ID:	

LIMS EVENT ID: WIN Import ID:
Enter Field Parameters, Verify Station ID In LIMS DMT: QC Station ID, Field Parameters In LIMS DMT:
Scan/Save Field Sheets: Migrate Data to WIN: Verify Data in WIN:

RQ-2019-11-18-13				Collected By: Jeremy Parrish , Brian Davis						
Customer:	WQAP	Project ID:	SMP	Field Report Prepared By: Jeremy Parrish , Brian Davis						
Sampling Agency:	FDEP			Location: Little Black Creek 200m above mouth						
WIN/Field ID:	G2NE1184									
Comments:										
Water Quality			Matrix:	Fresh	Check One: ☒ Grab					
Date	Time	Sample Depth	Secchi (m)	Total Depth (m)	Temp C	pH	D.O. (mg/L)	D.O. (%)	Cond. (umho/cm)	Salinity (ppt)
11/18/2019	10:50	0.3	0.7	3.8	14.3	6.24	3.78	36.9	120.6	0.06
		3.3			14.2	6.23	3.74	36.5	121.3	0.06
Parameter Suite		Parameter Methods				Preservation		pH Check	#Bottle Sent to Lab	Bottle Group
Preserved Nutrients (BP-1L)		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP Lot: Sa9203100 Exp: 7-22-20				☒ ☒ H2SO4		☒ pH < 2	1	A
Metals (P-500ML)		☐ W-ICP, W-ICPMS Lot: Exp:				☐ Ice ☐ HNO3		☐ pH < 2		A
Filtered Nutrients (P125ML)		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice			1	A
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice			1	A
Physical/Aggregate (Fresh) (P-1L)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS				☒ Ice			1	A
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS /				☐ Ice				A
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				☐ Ice ☐ Formalin				
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice				
Microbiology (Contract Lab Bottle)		☒ E. coli ☐ Fecal ☐ Enterococci				☒ Ice			2	A
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-DG3 ☐ PCR-GFD				☐ Ice				A
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice				A
Pesticides (BG-500ML) (BG-1L)		☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ ARB-AA ☐ W-PCL-SQ-R ☐ W-E8321- ☐ 8321-DI				☐ Ice				A
Phytoplankton		☐ DTN-QN-C				☐ Ice				A
Relinquished By: Jeremy Parrish , Brian Davis		Date/Time 11/18/2019 9:00 PM		Number of Coolers Shipped: 2		Received By: KK		Date/Time 11-19-19 / 0950		



Florida Department of Environmental Protection
Strategic Monitoring Program
Field Sheet
September 2019

Data Qualified?

Yes / No
☐ ☒

WIN Station Name Grog branch 150m above mouth

Date: 11/18/2019

WIN/Field ID: G2NE1185

WBID: 2407

ENR: _____

Latitude: 30.0795

County: CLAY

Org ID: 21FLA

Longitude: -81.8351

Receiving Body of Water: Lower St. Johns

RQ-2019- 11-18-13

Sampling Team Members	WQ MEASUREMENTS	SAMPLE COLLECTION	DOCUMENTATION	PRESERVATION	PRESERVATION CHECK
☒ Jeremy Parrish	X	X	X	X	X
☐ Amy Kalmbacher					
☐ Kimberly Applebee					
☒ Brian Davis	X	X	X	X	X

SAMPLE EQUIPMENT
☒ Sample Container ☐ Carboy ☐ Dipper ☐ Van Dorn ☐ Syringe ☐ Pole
Depth measured with: <u>Sonar</u> Secchi Equipment ID: _____
COLLECTION METHOD
☐ Wading ☐ From Shore ☐ Canoe/Kayak ☐ Electric Motor ☒ Gasoline Motor

WATER LEVEL	☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded					METER ID	DESI	
FLOW	FLOWING	PHOTOS	TIDE	FALLING	HIGH TIDE	500	LOW TIDE	1044
BIOLOGICAL SAMPLES	☐ SCI ☐ HA ☐ RPS ☐ LVS ☐ Algae ID ☐ LVI							
SBIO ID NUMBERS	SBIO-ID:	HA-ID:	RPS-ID:	MACROPHYTE-ID:	LIMS#			
NOTES:								

Duplicate Sample

Time Zone:	Time:	Field ID:
WIN DMT Activity ID:		

Blank

Time Zone:	Time:	Field ID:
DI Source:	Location:	
DI Type:	Equipment ID:	

LIMS EVENT ID: _____

WIN Import ID: _____

Enter Field Parameters, Verify Station ID in LIMS DMT: _____

QC Station ID, Field Parameters in LIMS DMT: _____

Scan/Save Field Sheets: _____

Migrate Data to WIN: _____

Verify Data in WIN: _____

RQ-2019-11-18-13					Collected By: Jeremy Parrish , Brian Davis					
Customer:	WQAP	Project ID:	SMP	Field Report Prepared By: Jeremy Parrish , Brian Davis						
Sampling Agency:	FDEP			Location: Grog branch 150m above mouth						
WIN/Field ID:	G2NE1185									
Comments:										
Water Quality				Matrix:	Fresh	Check One: ☒ Grab				
Date	Time	Sample Depth	Secchi (m)	Total Depth (m)	Temp C	pH	D.O. (mg/L)	D.O. (%)	Cond. (umho/cm)	Salinity (ppt)
11/18/2019	11:30	0.3	0.5	2.2	14.3	6.17	5.35	52.6	98	0.05
		1.8			13.5	6.24	3.32	31.3	116	0.05
Parameter Suite		Parameter Methods				Preservation		pH Check	#Bottle Sent to Lab	Bottle Group
Preserved Nutrients (BP-1L)		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP Lot: Sa9203100 Exp: 7/22/20				☒ ☒ H2SO4		☒ pH < 2	1	A
Metals (P-500ML)		☐ W-ICP, W-ICPMS Lot: Exp:				☐ Ice ☐ HNO3		☐ pH < 2		A
Filtered Nutrients (P125ML)		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice			1	A
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice			1	A
Physical/Aggregate (Fresh) (P-1L)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS				☒ Ice			1	A
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS /				☐ Ice				A
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				☐ Ice ☐ Formalin				
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice				
Microbiology (Contract Lab Bottle)		☒ E. coli ☐ Fecal ☐ Enterococci				☒ Ice			2	A
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-DG3 ☐ PCR-GFD				☐ Ice				A
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice				A
Pesticides (BG-500ML) (BG-1L)		☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ ARB-AA ☐ W-PCL-SQ-R ☐ W-E8321- ☐ 8321-DI				☐ Ice				A
Phytoplankton		☐ DTN-QN-C				☐ Ice				A
Relinquished By: Jeremy Parrish , Brian Davis		Date/Time 11/18/2019 9:00 PM		Number of Coolers Shipped: 2		Received By: <i>KK</i>		Date/Time 11.19.19 / 0950		



CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR #

ALS Contact

9143 Philips Highway, Suite 200, Jacksonville, FL 32256
Phone (904) 739-2277 / 800-695-7222 x06 / FAX (904) 739-2011

www.alsglobal.com

Page 1 of 1

Project Name LS3R SW Boat		Project Number 2019-11-18-13		ANALYSIS REQUESTED (Include Method Number and Container Preservative)														
Report To Jeremy Parish		Report CC DEP-Dan.Burton@FL.DEP.gov		Preservative												Preservative Key 0. None 1. HCL 2. HNO3 3. H2SO4 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO4 8. Other REMARKS		
Company/Address FDEP 8800 Bryncrenaw Way West		Phone # 904 256 1700		FAX #		NUMBER OF CONTAINERS 1700												
Sampler's Signature Jeremy Parish		Sampler's Printed Name Jeremy Parish														Freshwater		
CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	Matrix														
20030304		11/18/19	1005	SW	2	X												
20030204			1025		2	X												
G2 NE 1184			1050		2	X												
G2 NE 1185			1130		2	X												
G2 NE 1127			1150		2	X												
Special Instructions/Comments:				TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) ☒ STANDARD REQUESTED FAX DATE REQUESTED REPORT DATE				REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata ☐ Yes ☐ No				INVOICE INFORMATION P.O. # Bill to:						
SAMPLE RECEIPT: CONDITION/COOLER TEMP:				CUSTODY SEALS: Y ☒ N														
Relinquished By Signature Jeremy Parish		Received By Signature		Relinquished By Signature		Received By Signature		Relinquished By Signature		Received By Signature		Relinquished By Signature		Received By Signature				
Printed Name Jeremy Parish		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name				
Firm FDEP		Firm		Firm		Firm		Firm		Firm		Firm		Firm				
Date/Time 11/18/19 1415		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time				

Date of Request: 08-OCT-2019
 Created By: PARRISH_J On: 08-OCT-2019
 Modified By: JASROTIA_P On: 29-OCT-2019
 Customer: NE-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northeast District
 Sampling Event: LSJR South West Boat

Send Coolers To:

Phone: 904-256-1700
 8800 Baymeadows Way West
 Suite 100
 Jacksonville, FL 32256
 Attn: Jeremy Parrish

Program Module Number:

Priority: 3

Event Status: S

Criminal Investigation: NO

Chemistry Request Reviewed By: WATTS_J On: 29-OCT-2019

Biology Request Reviewed By: JASROTIA_P On: 29-OCT-2019

Sampling Kit Required: YES Ship on: 08-NOV-2019

Sampling Kit Shipped: YES On: 04-NOV-2019

Sampling Kit Packed By: SHAIK_A

Preservatives Needed: YES

Date to Receive Samples: 18-NOV-2019

Received By:

Send Final Report To:

8800 Baymeadows Way West
 Suite 100
 Jacksonville, FL 32256
 Attn: Jeremy Parrish

Report Type: Final Only

FTP Data: NO

QC Report: YES

Date Log: NO

Authorization Log: NO

Comments: Group A: (Surf.Fresh)Nutrients, Bacteria

NE-ALS-ECQ

Packing Notes:

1 - case of sulfuric acid/2 sets of labels

1 - case of nitric acid/2 sets of labels

Bottle Group A (Water) With 5 Samples:

Bottle Type: P-1L	Number of Bottles: 5	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-SO ₄ -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 using a maximum of 250 mL of sample
Bottle Type: BP-1L	Number of Bottles: 5	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: P-120ML-WC-THI	Number of Bottles: 10	Preserved With: ICE
NE-ALS-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) E. coli by Colilert/QT by ALS in Jacksonville
Bottle Type: P-500ML	Number of Bottles: 5	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: 5	Preserved With: FILTER-ICE

Bottle Group A (Water) With 5 Samples:

Bottle Type: P-125ML

Number of Bottles: 5

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