



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

DO

WIN Station Name: Juniper Creek upstream of Juniper Creek Rd.

Date: 3/29/2018

WIN/ Field ID: G1WA0059

WBID: 682

Latitude: 30.531

(mm/dd/yyyy)

County: Gadsden

ORG ID: 21FLWQA

Longitude: -84.736

(Decimal Degrees)

Receiving Body of Water: Telogia Creek

RQ-2018- 03-26-24

(Decimal Degrees)

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Ben Ralys						X	X	X			☒ Sample Container	☐ Van Dorn	☐ Pole		
Will Lasley								X		X	☐ Carboy	☒ Syringe			
											☒ Dipper	☐ Other			
											Depth Measured with Equipment ID				
											Collection Method				
											☐ Wading	☐ Canoe/Kayak			
											☒ From Shore	☐ Electric Motor			
											☐ Other	☐ Gasoline Motor			
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded						Meter ID# <u>Biology #2</u>				Matrix: <u>Fresh</u> / Marine / DI					
Photos: Yes / No		Flow: No Flow / Intestinal / <u>Flowing</u> / NA		Tide: Rising/ Falling/ Slack/ <u>NA</u>		Tide Times: High NA		Low NA							
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°)					
<u>EST</u>	<u>1058</u>	<u>0.3</u>	<u>0.5</u>	<u>6.79</u>	<u>71.0</u>	<u>5.62</u>	<u>0.03</u>	<u>70</u>	<u>17.49</u>						
CEN	—	1.1	—	—	—	—	—	—	—						
Biological Samples Collected: <u>None</u> 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	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP					☒ Ice ☒ H2SO4	<u>SA7341020</u>	<u>12/1/18</u>	☒ <2						
Metals	☐ W-ICPMS ☐ W-ICP					☐ Ice ☐ HNO3			☐ <2						
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter					☐ Ice	<u>10827054</u>								
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-F / W-TSS / TURBIDITY					☐ Ice									
Macroinvertebrates	☐ MI-FW-QLDC					☐ Formalin									
Periphyton	☐ ALGAE-ID					☐ Ice									
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci					☐ Ice									
Molecular	☒ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD					☐ Ice									
Tracers	☒ W-SUC-AA-R ☒ W-UHERB-AA ☒ W-AHERB-AA					☐ Ice									
Pesticides	☐ W-PSNP-TQ ☐ W-UHERB-AA ☐ W-AHERB-AA ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R					☐ Ice ☐ Other									

Notes:

Kit A, FW Bacteria, Tracers, Markers

Juniper Creek
Upstream of
Juniper Creek Rd

WIN ID / FIELD ID



G1WA0059

Signature:

Ben Ralys

Date: 3/30/18

Enter Field Parameters, Verify Station ID In LIMS DMT: JS 4.11.18

QC Station ID, Field Parameters In LIMS DMT: CM 4.13.18

Scan/Save Field Sheets CM 4/13/18

Migrate Data to WIN: (Initials/Date)

Verify Data In WIN: (Initials/Date)

(Initials/Date)

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Don't "X" this box if there is qualified data on this page.

Meter ID: Biology #

RQ: 2018-03-26-24

Project: SMF

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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site _____

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification _____

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	3/29/18	7:13	21.60	8.81	8.82	100.1	27.7	-	P/F	L/F
ICV	Ben Ralys	3/29/18	7:15	21.61	8.81	8.84	100.3	27.7	-	P/F	L/F
CCV	Ben Ralys	3/29/18	14:01	21.8	8.77	9.43	107.5	27.7	-	P/F	L/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	3/29/18	7:18	171005D	10/2018	1,000	1,000	P/F	L/F
ICV	Ben Ralys	3/29/18	7:19	171005D	10/2018	1,000	1,001	P/F	L/F
CCV	Ben Ralys	3/29/18	14:06	171005E	10/2018	100	100	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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	3/29/18	7:21	171005B	4/2019	7.0	6.97	2.5	P/F	L/F
Calibr.	Ben Ralys	3/29/18	7:23	171005A	10/2018	4.0	3.99	178.2	P/F	L/F
Calibr.	Ben Ralys	3/29/18	7:25	171005C	4/2019	10.0	9.96	-162.3	P/F	L/F
ICV	Ben Ralys	3/29/18	7:26	171005C	4/2019	10.0	9.93	-161.1	P/F	L/F
CCV	Will Lastey	3/29/18	14:10	171005A	10/2018	4.0	3.88	181.9	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)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth 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 $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Ben Babys, Will Lasley

Project ID: SMP

Collected By: Ben Babys, Will Lasley

Sampling Agency: FDEP

Location		WIN ID / Filed ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	WIN/STORET #	Field ID	WIN/STORET #	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	Total Res. Chlorine	Sample Depth	Sp. Conductance	
Little River 100 meters upstream of US 90		30.554619	-84.513191	6.6	113.6	0.3	89	A, B	
Quincy Creek 100 meters upstream of Ralph Strong Rd		30.5837	-84.5503	6.81	119.2	0.3	69	A, B C, E	
Quincy Creek upstream of SR 267		30.600	-84.581	6.81	119.2	0.15	61	A, B C, E	
Quincy Creek upstream of SR 65		30.599	-84.576	6.95	120.0	0.2	65	A, B C, E	

Relinquished By: <u>WV/BCE</u>	Date/Time: <u>3/29/18 1348</u>	Shipping Method: <u>1348</u>	Number of Coolers Shipped: <u>1</u>	Received By: <u>1348</u>	Date/Time: <u>3-29-18 13:48</u>
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Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By:

Field Report Prepared By:

Sampling Agency:

Ben Bays, Will Lasley
FDEP

Location		WIN ID / FIELD ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Juniper Creek		Date 3/29/18 Time 1058		Date		(See pg 2)	
WIN/STORET #		Upstream of Juniper Creek Rd		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude		30.531		pH 5.62		ft Sp. Conductance		A, C	
Longitude		-84.736		Sample Depth 0.3		umho/cm		D	
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Black Creek		Date 3/29/18 Time 1255		Date		A	
WIN/STORET #		upstream of Bloxham Cutoff		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude		30.2792		pH 3.33		ft Sp. Conductance			
Longitude		-84.3858		Sample Depth 0.3		umho/cm		59	
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Date		Date			
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude				pH		ft Sp. Conductance			
Longitude				Sample Depth		umho/cm			
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Date 3/29/18 Time		Date			
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude				pH		ft Sp. Conductance			
Longitude				Sample Depth		umho/cm			

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
WU BR	3/29/18 1348				3-29-18 13:48

Group: A	Bottle Type: P-1L	# of Bottles: 6	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: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W				
Group: A	Bottle Type: P-250ML-WO-THI	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ECOLI-18QT				
Group: A	Bottle Type: P-500ML	# of Bottles: 6	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: 6	Preservative: FILTER-ICE		Enter Number of Bottles Sent to Lab
	W-PO4-F				
Group: B	Bottle Type: P-500ML	# of Bottles: 4	Preservative: HNO3		Enter Number of Bottles Sent to Lab
	W-ICP				
	W-ICPMS				
Group: C	Bottle Type: BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	W-E8321-DI				
	W-E8321-MS				
Group: D	Bottle Type: QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	PCR-FILTER				
Group: E	Bottle Type: QPCR-P-250ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	PCR-FILTER				
	PCR-HF183				

Cooler Packing Worksheet for Request: RQ-2018-03-26-24

Quincy, Little, Black, Juniper

Ship Cooler On: 3/20/2018

Customer/Project: WAS-SECT/SMP

Assigned To: REAVES_S

Requester: Curtis Musson

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Freshwater Kit, E.coli

Group B: Metals

Group C: Tracers

Group D: PCR-FILTER

Group E: PCR-HF183, PCR-FILTER

Packing Notes

No FedEx labels

No Trash Bags

2 Submittal Forms

Requested Analyses:

Bottle Group: A

of Sites: 6

Container ID: P-1L

Qty: 6 Preservation: ICE

Lot # 0006
00070681

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 6 Preservation: ICE

Lot # 1204544

Description: Brown Plastic Bottle 1L

Analysis

Description

Container ID: P-250ML-WO-THI

Qty: 6 Preservation: ICE

Lot # 41467

Description:

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: P-500ML

Qty: 6 Preservation: ICE And H2SO4

Lot # 00067590-5
00070440-1

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 6 Preservation: FILTER-ICE

Lot # 00069732

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: B

of Sites: 4

Container ID: P-500ML

Qty: 4 Preservation: HNO3

Lot # 00068654

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Bottle Group: C

of Sites: 4

Container ID: BG-500ML

Qty: 4 Preservation: ICE

Lot # 00070085

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Bottle Group: D

of Sites: 1

Container ID: QPCR-P-250ML

Qty: 2 Preservation: ICE

Lot # 00069545

Description: 250ml Sterile Nalgene (2)

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Bottle Group: E

of Sites: 3

Container ID: QPCR-P-250ML

Qty: 6 Preservation: ICE

Lot # 00069545

Description: 250ml Sterile Nalgene (2)

Analysis

PCR-FILTER

PCR-HF183

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Cooler Packed By: SK

Number of Coolers: 3

Date: 3-20-18

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☐ FedEx Bills, if applicable
- ☐ Plastic Bags
- ☐ Zip Ties

If Preservation Included:

ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2018-03-26-24