



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

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

Date: 1/18/18

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- 01-15-28

(Decimal Degrees)

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Curtis Musson				☒	☒	☒	☒	☒	☒ Sample Container	☐ Van Dorn	☐ Pole	
Ben Ralys				☒	☒	☒	☒	☒	☐ Carboy	☒ Syringe	☐ Other	
				☒	☒	☒	☒	☒	☐ 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 / <u>No</u> / 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 (umhos/cm)	Temp. (C°)		
<u>EST</u>	<u>922</u>	<u>1.2</u>	<u>0.3</u>	<u>veg</u>	<u>11.60</u>	<u>87.8</u>	<u>6.08</u>	<u>0.04</u>	<u>86</u>	<u>3.77</u>		
CEN												
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			☐ <2		
Metals		☐ W-ICPMS ☐ W-ICP					☐ Ice ☐ HNO3			☐ <2		
Filtered Nutrients		☐ W-PO4-F ☐ Field Filtered 0.45 um Filter					☐ Ice					
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					☐ Ice					
		☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R					☐ Other					

Notes:

Bacteria, Tracers
Markers (HF-183)

Juniper Creek
Upstream of
Juniper Creek Rd.

WIN ID / FIELD ID



G1WA0059

Signature: Curtis Musson

Date: 1-18-18

Enter Field Parameters, Verify Station ID In LIMS DMT: 2/20/18

QC Station ID, Field Parameters In LIMS DMT: CN 409018

Scan/Save Field Sheets CN 4.9.18

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

Blaine, Freeman, Jnprr, Quincy, Ochlocknee R.

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

Boldly "X" this box if there is qualified data on this name.

Meter ID: Dp#2

RQ: 2018-01-15-28

Project: SMP

- 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.	Curtis Mussen	1-18-18	708	17.25	9.625	9.62	100.0	49		P/F	L/F
ICV	Curtis Mussen	1-18-18	709	17.24	9.625	9.63	100.1	49		P/F	L/F
CCV	Curtis Mussen	1-18-18	1516	15.7	9.934	10.13	106.9	48		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.	Curtis Mussen	1-18-18	710	171005D	10/2018	1000	1000	P/F	L/F
ICV	Curtis Mussen	1-18-18	711	171005D	10/2018	999 1000	999	P/F	L/F
CCV	Curtis Mussen	1-18-18	1519	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.	Curtis Mussen	1-18-18	714	170614B	12/2018	7.0	7.00	10.5	P/F	L/F
Calibr.	Curtis Mussen	1-18-18	715	171005A	10/2018	4.01	4.01	123	P/F	L/F
Calibr.	Curtis Mussen	1-18-18	717	171005C	04/2019	10.01	9.99	148	P/F	L/F
ICV	Curtis Mussen	1-18-18	718	171005C	04/2019	10.01	9.99	148	P/F	L/F
CCV	Curtis Mussen	1-18-18	1521	171005A	10/2018	4.01	4.06	171	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 ± 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 CM	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air	Curtis Mussen	1-18-18	712	0.000	0.000	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

Project ID: SMP

Requester: Curtis Musson

Collected By: Curtis Musson / Ben Ralys

Field Report Prepared By: Curtis Musson

Sampling Agency: FDEP

Location		WIN ID / FIELD ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	WIN/STORET #	Field ID	WIN/STORET #	Comp Grab	Date	Time	Date	Time	
Ochlockonee River Upstream of US 90	G1WA00068	Ochlockonee River Upstream of US 90	G1WA00068	☒	1-18-18	14:05	14:05	14:05	
Latitude	Longitude	Latitude	Longitude	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	Total Res. Chlorine	Sp. Conductance		
				Fresh	96.5	96.5	116	A,B,C	
Temp (C)	pH	Temp (C)	pH	Sample Depth	ft	ft	m	E	
8.08	7.23	8.08	7.23	0.3	0.3	0.3	0.3		
Salinity (ppt)	Comments	Salinity (ppt)	Comments						
0.05		0.05							
Location		WIN ID / FIELD ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	WIN/STORET #	Field ID	WIN/STORET #	Comp Grab	Date <td>Time</td> <td>Date</td> <td>Time</td>	Time	Date	Time	
Ochlockonee River Upstream of Tower Rd	G1WA00069	Ochlockonee River Upstream of Tower Rd	G1WA00069	☒	1-18-18	13:20	13:20	13:20	
Latitude	Longitude	Latitude	Longitude	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	Total Res. Chlorine	Sp. Conductance		
				Fresh	99.1	99.1	124	B,E	
Temp (C)	pH	Temp (C)	pH	Sample Depth	ft	ft	m		
7.30	7.42	7.30	7.42	0.3	0.3	0.3	0.3		
Salinity (ppt)	Comments	Salinity (ppt)	Comments						
0.06		0.06							
Location		WIN ID / FIELD ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	WIN/STORET #	Field ID	WIN/STORET #	Comp Grab	Date <td>Time</td> <td>Date</td> <td>Time</td>	Time	Date	Time	
Ochlockonee River Downstream of Tower Rd	G1WA00070	Ochlockonee River Downstream of Tower Rd	G1WA00070	☒	1-18-18	13:08	13:08	13:08	
Latitude	Longitude	Latitude	Longitude	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	Total Res. Chlorine	Sp. Conductance		
				Fresh	99.4	99.4	123	B,E	
Temp (C)	pH	Temp (C)	pH	Sample Depth	ft	ft	m		
7.36	7.33	7.36	7.33	0.3	0.3	0.3	0.3		
Salinity (ppt)	Comments	Salinity (ppt)	Comments						
0.06		0.06							
Location		WIN ID / FIELD ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	WIN/STORET #	Field ID	WIN/STORET #	Comp Grab	Date <td>Time</td> <td>Date</td> <td>Time</td>	Time	Date	Time	
Ochlockonee River Upstream of Old Brainbridge	G1WA00071	Ochlockonee River Upstream of Old Brainbridge	G1WA00071	☒	1-18-18	12:32	12:32	12:32	
Latitude	Longitude	Latitude	Longitude	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	Total Res. Chlorine	Sp. Conductance		
				Fresh	102.2	102.2	127	B,E	
Temp (C)	pH	Temp (C)	pH	Sample Depth	ft	ft	m		
7.36	7.45	7.36	7.45	0.3	0.3	0.3	0.3		
Salinity (ppt)	Comments	Salinity (ppt)	Comments						
0.06		0.06							

Relinquished By: Curtis Musson	Date/Time: 1-18-18	Shipping Method: Drop off	Number of Coolers Shipped: 5	Received By: [Signature]	Date/Time: 1-18-18
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Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By:

Curtis Musson, Ben Balys

Field Report Prepared By:

Curtis Musson

Sampling Agency:

FDEP

Location	WIN ID / Field ID	Field ID	WIN/STORET #	Latitude	Longitude	Temp (C)	Salinity (ppt)	pH	Matrix (type, e.g., Salt, Fresh, etc)	Collection Date	Time	Comp Grab	Composite end Date	Time	Bottle Group(s)
Quincy Creek upstream of SR 268	G1WA00051														
Quincy Creek upstream of SR 65	G1WA00049														
Quincy Creek 100 meters upstream of Ralph Strong Rd.	G1WA00018														

Field ID	WIN/STORET #	Latitude	Longitude	Temp (C)	Salinity (ppt)	pH	Matrix (type, e.g., Salt, Fresh, etc)	Collection Date	Time	Comp Grab	Composite end Date	Time	Bottle Group(s)
101-00				103.1	0.2	7.0	Fresh	1-18-18	10:00	☒			A1B
102-03				102.3	0.15	6.3	Fresh	1-18-18	10:55	☒			AB
104.8				104.8	0.25	6.6	Fresh	1-18-18	11:20	☒			CD

Field ID	WIN/STORET #	Latitude	Longitude	Temp (C)	Salinity (ppt)	pH	Matrix (type, e.g., Salt, Fresh, etc)	Collection Date	Time	Comp Grab	Composite end Date	Time	Bottle Group(s)
101-00				103.1	0.2	7.0	Fresh	1-18-18	10:00	☒			A1B
102-03				102.3	0.15	6.3	Fresh	1-18-18	10:55	☒			AB
104.8				104.8	0.25	6.6	Fresh	1-18-18	11:20	☒			CD

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Curtis Musson	1-18-18 / 253	Drop off	5	SP	1-18-18 / 254

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Curtis Musson

Project ID: SMP

Collected By: Curtis Musson, Ben DavisSampling Agency: FDEP

Location WIN ID / Field ID Black Creek upstream of Bloxxham Cutoff		Collection (comp begin or grab) Date <u>1-18-18</u> Time <u>805</u>		Composite end Date / Time /		Bottle Group(s) (See pg 2) A,C	
Field ID 31WA0023		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 94.7 % sat		Total Res. Chlorine 36 (mg/L)	
WIN/STORET #		Temp (C) 4.27		pH 4.87		Sample Depth 0.2 m	
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) 0.02		Comments	
Location WIN ID / Field ID Freeman Creek upstream of SR 267 (Bloxxham Cutoff)		Collection (comp begin or grab) Date <u>1-18-18</u> Time <u>840</u>		Composite end Date / Time /		Bottle Group(s) A,B,C	
Field ID		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 91.2 % sat		Total Res. Chlorine 27 (mg/L)	
WIN/STORET #		Temp (C) 5.19		pH 4.85		Sample Depth 0.1 m	
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) 0.01		Comments	
Location WIN ID / Field ID Juniper Creek Upstream of Juniper Creek Rd.		Collection (comp begin or grab) Date <u>1-18-18</u> Time <u>922</u>		Composite end Date / Time /		Bottle Group(s) C,D	
Field ID		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 87.8 % sat		Total Res. Chlorine 88 (mg/L)	
WIN/STORET #		Temp (C) 3.77		pH 6.08		Sample Depth 0.3 m	
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) 0.04		Comments	
Location WIN ID / Field ID Quincy Creek upstream of SR 267		Collection (comp begin or grab) Date <u>1-18-18</u> Time <u>10:30</u>		Composite end Date / Time /		Bottle Group(s) A,B	
Field ID		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 101.6 % sat		Total Res. Chlorine 57 (mg/L)	
WIN/STORET #		Temp (C) 5.18		pH 7.08		Sample Depth 0.2 m	
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) 0.03		Comments	

Relinquished By: <u>Curtis Musson</u>	Date/Time <u>1-18-18</u>	Shipping Method <u>Drop off</u>	Number of Coolers Shipped: 5	Received By: <u>SPR</u>	Date/Time <u>1-18-18</u>
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Cooler Packing Worksheet for Request: RQ-2018-01-15-28

Black, Freeman, Ochlockonee, Quincy, Juniper

Ship Cooler On: 1/12/2018

Customer/Project: WAS-SECT/SMP

Assigned To: KLUG_K

Requester: Curtis Musson

Priority: 3

850-245-8453
2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:

Group A: Freshwater Nutrient

Group B: Metals

Group C: E. coli

Group D: Wastewater Tracers (AHERB Short List), & PCR

Group E: Alkalinity 1-liter bottle

1 - case sulfuric acid

1 - case nitric acid

No FedEx labels

No Trash Bag

Requested Analyses:

Bottle Group: A

of Sites: 7

Container ID: P-1L

Qty: 7 Preservation: ICE

Lot # 00069122

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: 7 Preservation: ICE

Lot # 1214297

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

1214297

Container ID: QPCR-P-250ML

Qty: 10 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

Container ID: BG-1L

Qty: 5 Preservation: ICE

Lot # 00069604

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA

W-SUC-AA-R

W-UHB-AA-R

Description

Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS

Analysis of sucralose in water matrices by HPLC/MS/MS

Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Cooler Packed By: KK

Number of Coolers: 4

Date: 1/11/18

Kit must also include:

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

If Preservation Included:

ID <u>Nitric Acid</u>	Exp <u>12/7/18</u>	Lot # <u>NA 7341010</u>
ID <u>Sulfuric Acid</u>	Exp <u>12/7/18</u>	Lot # <u>SA 7341020</u>
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2018-01-15-28

Container ID: QPCR-P-250ML

Qty: 10 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

Container ID: BG-1L

Qty: 5 Preservation: ICE

Lot # 00069604

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA

W-SUC-AA-R

W-UHB-AA-R

Description

Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS

Analysis of sucralose in water matrices by HPLC/MS/MS

Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Cooler Packed By: KK

Number of Coolers: 4

Date: 1/11/18

Kit must also include:

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

If Preservation Included:

ID <u>Nitric Acid</u>	Exp <u>12/7/18</u>	Lot # <u>NA 7341010</u>
ID <u>Sulfuric Acid</u>	Exp <u>12/7/18</u>	Lot # <u>SA 7341020</u>
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2018-01-15-28

Cooler Packing Worksheet for Request: RQ-2018-01-15-28

Black, Freeman, Ochlockonee, Quincy, Juniper

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Customer/Project: WAS-SECT/SMP

Assigned To: KLUG_K

Requester: Curtis Musson

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

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No Trash Bag

Requested Analyses:

Bottle Group: A

of Sites: 7

Container ID: P-1L

Qty: 7 Preservation: ICE

Lot # 00069122

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

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Sulfate in aqueous matrices

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Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 7 Preservation: ICE

Lot # 1214297

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry