



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

DO

WIN Station Name: Black Creek upstream of Bloxham Cutoff

Date: 3/29/2018

WIN/ Field ID: G1WA0023

WBID: 1054

Latitude: 30.27792

(mm/dd/yyyy)

County: Wakulla

ORG ID: 21FLWQA

Longitude: -84.3858

(Decimal Degrees)

Receiving Body of Water:

RQ-2018- 03-26-24

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Ralys						✓	✓	✓	✓	✓
Will Lasley						✓	✓	✓	✓	✓

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ 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 / Normal / High / Flooded
Meter ID# Biology #2
Matrix: Fresh / Marine / DI

Photos: Yes / No
Flow: No Flow / Intestinal / Flowing / NA
Tide: Rising/ Falling/ Slack/ NA
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>	1255	0.6	0.3	0.5	10.13	105.5	3.33	0.03	59	17.35
CEN	-	-	-	-	-	-	-	-	-	-

Biological Samples Collected: None 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	SA7341020	12/7/18	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	10827054		
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			

Contains: 1.1 H2SO4
Lot No.: SA7341020
Expires: 12/07/18
See Safety Data Sheet (SDS)

Place Preservative (If Available)

Notes:

Kit-A, Bacteria

Location:

Black Creek
upstream of
Bloxham Cutoff

WIN ID / Field ID

G1WA0023

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:

Verify Data In WIN:

(Initials/Date)

(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

Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Rabys, will Lasley

Field Report Prepared By: Ben Rabys, will Lasley

Sampling Agency: FDEP

Location		WIN ID / Filed ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	WIN/STORET #	Latitude	Longitude	Comp	Date	Time	Date	Time	(See pg 2)
Little River	100 meters upstream of US 90	30.554619	-84.513191	☒ Grab	3/29/18	0823	0823	—	A, B
				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine		
				Fresh		113.6	—		
				pH		Sample Depth	Sp. Conductance		
				6.6		0.3	89		
				Salinity (ppt)		Comments			
				0.04					
Quincy Creek		WIN ID / FIELD ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
100 meters upstream of Ralph Strong Rd		30.5837	-84.5503	☒ Grab	3/29/18	0910	0910	—	A, B
				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine		
				Fresh		119.2	—		
				pH		Sample Depth	Sp. Conductance		
				6.81		0.3	69		
				Salinity (ppt)		Comments			
				0.03					
Quincy Creek		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
upstream of SR 267		30.600	-84.581	☒ Grab	3/29/18	1008	1008	—	A, B
				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine		
				Fresh		119.2	—		
				pH		Sample Depth	Sp. Conductance		
				6.81		0.15	61		
				Salinity (ppt)		Comments			
				0.03					
Quincy Creek		WIN ID / Filed ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
upstream of SR 65		30.599	-84.576	☒ Grab	3/29/18	0942	0942	—	A, B
				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine		
				Fresh		120.0	—		
				pH		Sample Depth	Sp. Conductance		
				6.95		0.2	65		
				Salinity (ppt)		Comments			
				0.03					

Number of Coolers Shipped:

Shipping Method

Relinquished By:

Date/Time

3/29/18 1348

Received By:

Date/Time

3-29-18 13:48

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:

Location		WIN ID / FIELD ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Juniper Creek	 G1WA00059		Date	3/29/18	Time	1053	Time	—
WIN/STORET #	Upstream of Juniper Creek Rd			Matrix (type, e.g., Salt, Fresh, etc)	Fresh			Diss. Oxygen	71.0
Latitude	30.531	dd	dms	Temp (C)	17.49	pH	5.62	Sample Depth	0.3
Longitude	-84.736	dd	dms	Salinity (ppt)	0.03	Comments			70
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Black Creek	 G1WA00023		Date	3/29/18	Time	1255	Time	—
WIN/STORET #	upstream of Bloxham Cutoff			Matrix (type, e.g., Salt, Fresh, etc)	Fresh			Diss. Oxygen	105.5
Latitude	30.2792	dd	dms	Temp (C)	17.35	pH	3.33	Sample Depth	0.3
Longitude	-84.3858	dd	dms	Salinity (ppt)	0.03	Comments			59
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Date		Time		Time	
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen	
Latitude		dd	dms	Temp (C)		pH		Sample Depth	
Longitude		dd	dms	Salinity (ppt)		Comments			
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Date		Time		Time	
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen	
Latitude		dd	dms	Temp (C)		pH		Sample Depth	
Longitude		dd	dms	Salinity (ppt)		Comments			

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
WU BA	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 # 41667

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