



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Little River 100 meters upstream of US 90

Date: 02/21/2018

WIN/ Field ID: G1WA0073

WBID: 424

Latitude: 30.554619

(mm/dd/yyyy)

County: Gadsden

ORG ID: 21FLWQA

(Decimal Degrees)

Longitude: -84.513191

(Decimal Degrees)

Receiving Body of Water: Lake Talquin

RQ-2018- 02-19-20

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Ralys							X	X	X	X
Jason Storrs						X				

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Depth Measured with YSI (Biology #2)		
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# Biology #2		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 (µmhos/cm)	Temp. (C°)
EST	1345	0.5	0.3	0.4	7.12	78.2	6.65	0.05	101	19.88
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#: 1969440
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		7261120		9/18/18 ☒ <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				

Notes:

Kit C
FW Bact

Little River
100 meters
upstream of US 90

WIN ID/Filed ID



G1WA0073

Signature:

[Signature]

Date:

2/22/18

Enter Field Parameters, Verify Station ID in LIMS DMT:

Blake 4.11.18

QC Station ID, Field Parameters in LIMS DMT:

CM 4.13.18

Scan/Save Field Sheets

4.18.18

(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data in WIN:

(Initials/Date)

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 page.

Meter ID: Biology #2

RQ- 2018-02-19-20

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.	Ben Ralys	2/21/18	7:08	21.4	8.84	8.85	100	32.9	-	P/F	L/F
ICV	Ben Ralys	2/21/18	7:10	21.2	8.88	8.86	99.9	32.9	-	P/F	L/F
CCV	Blake Spencer	2/22/18	13:42	22.4	8.677	8.70	100.3	23.7		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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	2/21/18	7:11	171005D	10/2018	1,000	1,000	P/F	L/F
ICV	Ben Ralys	2/21/18	7:12	171005D	10/2018	1,000	1,001	P/F	L/F
CCV	Blake Spencer	2/22/18	13:45	171005E	10/2018	100	103	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	2/21/18	7:15	170614B	12/2018	7.0	6.99	11.2	P/F	L/F
Calibr.	Ben Ralys	2/21/18	7:16	171005A	10/2018	4.0	4.00	183.5	P/F	L/F
Calibr.	Ben Ralys	2/21/18	7:18	171005C	4/2019	10.0	9.97	-156.2	P/F	L/F
ICV	Ben Ralys	2/21/18	7:19	171005C	4/2019	10.0	9.96	-155.9	P/F	L/F
CCV	Blake Spencer	2/22/18	13:50	170614B	12/2018	7.00	7.13	5.1	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:

Sampling Agency:

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
	2/21/18 1445	Drop off			2-21-18/1448

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Starr

Project ID: SMP

Collected By: Ralys (Starr)Sampling Agency: FDEP

Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)			
Field ID	WIN/STORET #	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	Sample Depth	pH	Temp (C)	Salinity (ppt)	Comments	Time	Chlorine (mg/L)	Sp. Conductance (umho/cm)
Sand Pond Middle		G1WA0044		Fresh		21.68		5.39		0.3	
Latitude 30.334		Longitude -84.387		pH		Salinity (ppt) 0.01		Comments		15	
Eight Mile Pond Middle		G1WA0024		Fresh		22.31		7.13		0.2	
Latitude 30.32635		Longitude -84.30273		pH		Salinity (ppt) 0.05		Comments		118	
Juniper Creek Upstream of Juniper Creek Rd.		G1WA0059		Fresh		19.66		5.60		0.3	
Latitude 30.531		Longitude -84.736		pH		Salinity (ppt) 0.04		Comments		78	
Quincy Creek upstream of SR 268		G1WA0051		Fresh		19.75		6.84		0.2	
Latitude 30.597		Longitude -84.598		pH		Salinity (ppt) 0.03		Comments		74	

Relinquished By: <u>[Signature]</u>	Date/Time: <u>2/21/18 1445</u>	Shipping Method: <u>Drop off</u>	Number of Coolers Shipped: <u>1</u>	Received By: <u>[Signature]</u>	Date/Time: <u>2-21-18 1445</u>
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Group: A

Bottle Type:

P-1L

of Bottles: 8

Preservative:

ICE

Enter Number of Bottles Sent to Lab

Page 2 of 2

ALKALINITY
TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Group: A

Bottle Type:

BP-1L

of Bottles: 8

Preservative:

ICE

Enter Number of Bottles Sent to Lab

CHLSUITE-W

Group: A

Bottle Type:

P-500ML

of Bottles: 8

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: 8

Preservative:

FILTER-ICE

Enter Number of Bottles Sent to Lab

W-PO4-F

Group: B

Bottle Type:

P-500ML

of Bottles: 5

Preservative:

HNO3

Enter Number of Bottles Sent to Lab

W-ICP

W-ICPMS

Group: C

Bottle Type:

P-250ML-WO-THI

of Bottles: 8

Preservative:

ICE

Enter Number of Bottles Sent to Lab

ECOLI-18QT

Group: D

Bottle Type:

BG-1L

of Bottles: 7

Preservative:

ICE

Enter Number of Bottles Sent to Lab

W-AHERB-AA

W-SUC-AA-R

W-UHERB-AA

Group: E

Bottle Type:

QPCR-P-250ML

of Bottles: 8

Preservative:

ICE

Enter Number of Bottles Sent to Lab

PCR-FILTER

PCR-HF183

Group: F

Bottle Type:

QPCR-P-250ML

of Bottles: 6

Preservative:

ICE

Enter Number of Bottles Sent to Lab

PCR-FILTER

Container ID: BG-1L

Qty: 7 Preservation: ICE

Lot # 00069604

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA

W-SUC-AA-R

W-UHERB-AA

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

Bottle Group: E

of Sites: 4

Container ID: QPCR-P-250ML

Qty: 8 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

Bottle Group: F

of Sites: 3

Container ID: QPCR-P-250ML

Qty: 6 Preservation: ICE

Lot # 00069545

Description: 250ml Sterile Nalgene (2)

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Cooler Packed By: CS

Number of Coolers: 4

Date: 2/14/18

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-2018-02-19-20

Cooler Packing Worksheet for Request: RQ-2018-02-19-20

Quincy, Little, Sand, 8, juniper

Ship Cooler On: 2/16/2018

Customer/Project: WAS-SECT/SMP

Assigned To: SEARSON_C

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

Group B: Metals

Group C: E. coli

Group D: Tracers (Aherb Short List)

Group E: PCR-FILTER, PCR-HF183

Group F: PCR-FILTER

Requested Analyses:

Bottle Group: A

of Sites: 8

Container ID: P-1L

Qty: 8 Preservation: ICE

Lot # 00068075

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: 8 Preservation: ICE

Lot # 1214297

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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