FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified? (Yes) / No — DO

WIN Station Name: Little River 100 meters upstream of US 90 **Date:** 03/29/2018 (mm/dd/yyyy)

WIN/ Field ID: G1WA0073 **WBID:** 424 **Latitude:** 30.554619 (Decimal Degrees)

County: Gadsden **ORG ID:** 21FLWQA **Longitude:** -84.513191 (Decimal Degrees)

Receiving Body of Water: Lake Talquin **RQ-2018-** 03-26-24

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

Sampling Equipment
- [x] Sample Container [ ] Van Dorn [ ] Pole
- [ ] Carboy [x] Syringe
- [x] Dipper [ ] Other
- Depth Measured with
- Equipment ID

Collection Method
- [ ] Wading [ ] Canoe/Kayak
- [x] From Shore [ ] Electric Motor
- [ ] Other [ ] Gasoline Motor

Water Level: Dry/ Pooled/ Low / (Normal) / High / Flooded **Meter ID#** Biology #2 **Matrix:** (Fresh) / Marine / DI

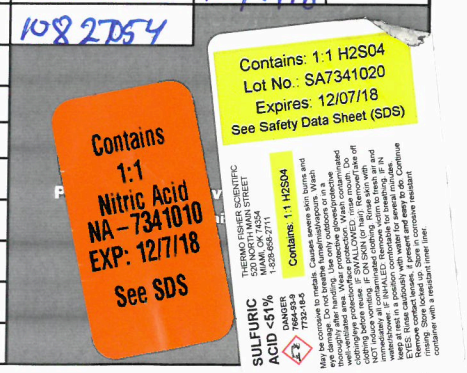
Photos: Yes / (No) **Flow:** No Flow / Intestital / Flowing / (NA) **Tide:** Rising/ Falling/ Slack/ (NA) **Tide Times:** High NA Low NA

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTh)	Sp COND (µmhos/cm)	Temp. (C°)
(EST)	0828	1.4	0.3	0.5	10.99 J	113.6 J	6.6	0.04	89	16.94
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	[x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[x] Ice [x] H_2SO_4	SA7341020	12/7/18	[x] <2
Metals	[x] W-ICPMS [x] W-ICP	[x] Ice [x] HNO_3	7341010	12/7/18	[x] <2
Filtered Nutrients	[x] W-PO4-F [x] Field Filtered 0.45 µm Filter	[x] Ice	1082054		
Chlorophyll	[x] CHLSUITE-W	[x] Ice			
Physical/Aggregate (Fresh)	[x] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[x] Ice			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[x] E Coli [ ] F Coli [ ] Enterococci	[x] 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:** 3/30/18

Enter Field Parameters, Verify Station ID In LIMS DMT: JA 4/11/18 (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: CM 4.13.18 (Initials/Date)

Scan/Save Field Sheets 4/13/18 (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)

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

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

Meter ID: Biology # RQ- 2018-03-26-24 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 Rabys	3/29/18	7:13	21.60	8.81	8.82	100.1	27.7	—	(P) F	(L) F
ICV	Ben Rabys	3/29/18	7:15	21.61	8.81	8.84	100.3	27.7	—	(P) F	(L) F
CCV	Ben Rabys	3/29/18	1401	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. **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; 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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Rabys	3/29/18	7:18	171005D	10/2018	1,000	1,000	(P) F	(L) F
ICV	Ben Rabys	3/29/18	7:19	171005D	10/2018	1,000	1,001	(P) F	(L) F
CCV	Ben Rabys	3/29/18	1406	171005E	10/2018	100	100	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 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 Rabys	3/29/18	7:21	171005B	4/2019	7.0	6.97	2.5	(P) F	(L) F
Calibr.	Ben Rabys	3/29/18	7:23	171005A	10/2018	4.0	3.99	179.2	(P) F	(L) F
Calibr.	Ben Rabys	3/29/18	7:25	171005C	4/2019	10.0	9.96	-162.3	(P) F	(L) F
ICV	Ben Rabys	3/29/18	7:26	171005C	4/2019	10.0	9.93	-161.1	(P) F	(L) F
CCV	Will Lasley	3/29/18	1410	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 ± 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 ± 5 % or ± 0.05m, whichever is greater.

COMMENTS:

Request Number: RQ-2018-03-26-24

Quincy, Little, Black, Juniper

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

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 / Field ID / WIN/STORET #: Little River 100 meters upstream of US 90

WIN ID/Filed ID: G1WA0073

Latitude: 30.554619 (dd) Longitude: -84.513191 (dd)

☐ Comp ☒ Grab | Collection (comp begin or grab) Date: 3/29/18 Time: 0828 (Eastern / Central) | Composite end Date: — Time: —

Matrix (type, e.g., Salt, Fresh, etc): Fresh

Diss. Oxygen: 113.6 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 16.94 | pH: 6.6 | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): 89

Salinity (ppt): 0.04 | Comments:

Bottle Group(s) (See pg 2): A, B

Location / Field ID / WIN/STORET #: Quincy Creek 100 meters upstream of Ralph Strong Rd

WIN ID / FIELD ID: G1WA0018

Latitude: 30.5837 (dd) Longitude: -84.5503 (dd)

☐ Comp ☒ Grab | Collection (comp begin or grab) Date: 3/29/18 Time: 0910 (Eastern / Central) | Composite end Date: — Time: —

Matrix (type, e.g., Salt, Fresh, etc): Fresh

Diss. Oxygen: 119.2 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 15.35 | pH: 6.81 | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): 69

Salinity (ppt): 0.03 | Comments:

Bottle Group(s): A, B C, E

Location / Field ID / WIN/STORET #: Quincy Creek upstream of SR 267

WIN ID / Field ID: G1WA0050

Latitude: 30.600 (dd) Longitude: -84.581 (dd)

☐ Comp ☒ Grab | Collection (comp begin or grab) Date: 3/29/18 Time: 1008 (Eastern / Central) | Composite end Date: — Time: —

Matrix (type, e.g., Salt, Fresh, etc): Fresh

Diss. Oxygen: 119.2 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 15.57 | pH: 6.81 | Sample Depth: 0.15 ☐ ft ☒ m | Sp. Conductance (umho/cm): 61

Salinity (ppt): 0.03 | Comments:

Bottle Group(s): A, B C, E

Location / Field ID / WIN/STORET #: Quincy Creek upstream of SR 65

WIN ID / Filed ID: G1WA0049

Latitude: 30.599 (dd) Longitude: -84.576 (dd)

☐ Comp ☒ Grab | Collection (comp begin or grab) Date: 3/29/18 Time: 0942 (Eastern / Central) | Composite end Date: — Time: —

Matrix (type, e.g., Salt, Fresh, etc): Fresh

Diss. Oxygen: 120.0 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 15.38 | pH: 6.95 | Sample Depth: 0.2 ☐ ft ☒ m | Sp. Conductance (umho/cm): 65

Salinity (ppt): 0.03 | Comments:

Bottle Group(s): A, B C, E

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

Request Number: RQ-2018-03-26-24

Quincy, Little, Black, Juniper

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Rakys, Will Lasley

Field Report Prepared By: Ben Rakys, Will Lasley

Sampling Agency: FDEP

Location: Juniper Creek Upstream of Juniper Creek Rd

WIN ID / FIELD ID: G1WA0059

Field ID:

WIN/STORET #:

Latitude: 30.531 ☒ dd ☐ dms | Longitude: -84.736 ☒ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date: 3/29/18 Time: 1058 | Eastern / Central | Composite end Date: — Time: —

Matrix (type, e.g., Salt, Fresh, etc): Fresh

Diss. Oxygen: 71.0 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 17.49 | pH: 5.62 | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): 70

Salinity (ppt): 0.03 | Comments:

Bottle Group(s) (See pg 2): A, C, D

Location: Black Creek upstream of Bloxham Cutoff

WIN ID / Field ID: G1WA0023

Field ID:

WIN/STORET #:

Latitude: 30.27792 ☒ dd ☐ dms | Longitude: -84.3858 ☒ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date: 3/29/18 Time: 1255 | Eastern / Central | Composite end Date: — Time: —

Matrix (type, e.g., Salt, Fresh, etc): Fresh

Diss. Oxygen: 105.5 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 17.35 | pH: 3.33 | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): 59

Salinity (ppt): 0.03 | Comments:

Bottle Group(s): A

Location:

Field ID:

WIN/STORET #:

Latitude: ☐ dd ☐ dms | Longitude: ☐ dd ☐ dms

☐ Comp ☐ Grab | Collection (comp begin or grab) Date: Time: | Eastern / Central | Composite end Date: Time:

Matrix (type, e.g., Salt, Fresh, etc):

Diss. Oxygen: ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L):

Temp (C): | pH: | Sample Depth: ☐ ft ☒ m | Sp. Conductance (umho/cm):

Salinity (ppt): | Comments:

Bottle Group(s):

Location:

Field ID:

WIN/STORET #:

Latitude: ☐ dd ☐ dms | Longitude: ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date: 3/29/18 Time: | Eastern / Central | Composite end Date: Time:

Matrix (type, e.g., Salt, Fresh, etc): Fresh

Diss. Oxygen: ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L):

Temp (C): | pH: | Sample Depth: ☐ ft ☒ m | Sp. Conductance (umho/cm):

Salinity (ppt): | Comments:

Bottle Group(s):

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
WL BR	3/29/18 1348				3-29-18 1313-48

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 Submital 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	Description
ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Sulfate in aqueous matrices
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	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 #** L1667

Description:

Analysis	Description
ECOLI-18QT	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	Description
W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML **Qty: 6** **Preservation: FILTER-ICE** **Lot #** 00069732

Description: Plastic Bottle 125 mL

Analysis	Description
W-PO4-F	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	Description
W-ICP	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
W-ICPMS	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	Description
W-E8321-DI	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-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	Description
PCR-FILTER	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	Description
PCR-FILTER	Preparation of Samples by Filtration and held for qPCR Analysis
PCR-HF183	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