FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified? (Yes) / No
pn

WIN Station Name: Big Branch 50 meters upstream of CR 67 **Date:** 4/12/2018 (mm/dd/yyyy)

WIN/ Field ID: G1WA0001 **WBID:** 1049 **Latitude:** 30.3110 (Decimal Degrees)

County: Liberty **ORG ID:** 21FLWQA **Longitude:** -84.7651 (Decimal Degrees)

Receiving Body of Water: Ochlockonee River **RQ-2018-** 04-09-20

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: Meter Stick
- 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 / 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. (C⁰)
(EST)	0850	0.5	0.25	VOB	8.97	77.8	4.91	0.02	37	14.67
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#: 1994316

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☐ Ice ☐ H_2SO_4			☐ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO_3			☐ <2
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 µm 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 ☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Place Preservative Sticker(s) Here (If Available)

Notes:

FW Bact
Tracers
Markers

Big Branch 50 meters upstream of CR 67

WIN ID/Field ID G1WA0001

Signature: Ben Ralys Will Lasley **Date:** 4/12/18

Enter Field Parameters, Verify Station ID In LIMS DMT: Will Lasley 4/13/18 (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: [illegible] 4/16/18 (Initials/Date)

Scan/Save Field Sheets 4/23/18 CA (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)

Request Number: RQ-2018-04-09-20

Big, Big, Staffors, Coon, Stone Mill

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 Ralys, Will Lasley

Field Report Prepared By: Ben Ralys, Will Lasley

Sampling Agency: FDEP

Location: Stone Mill Creek Upstream of Dianna St

Field ID / WIN/STORET #: WIN ID / Field ID Q2WA0012

Latitude: 30.157719 (dd) Longitude: -85.2302 (dd)

Comp ☐ Grab ☒ | Collection (comp begin or grab) Date: 4/12/18 Time: 1045 | Eastern / Central | Composite end Date: — Time: —

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

Diss. Oxygen: 82.6 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 16.64 | pH: 5[illegible].36 | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): 34

Salinity (ppt): 0.01 | Comments:

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

Location: Big Branch Downstream of Road 5

Field ID / WIN/STORET #: WIN ID / Field ID Q2WA0010

Latitude: 30.158 (dd) Longitude: -85.252 (dd)

Comp ☐ Grab ☒ | Collection (comp begin or grab) Date: 4/12/18 Time: 1022 | Eastern / Central | Composite end Date: — Time: —

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

Diss. Oxygen: 73.7 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 13.91 | pH: 4.11 | Sample Depth: 0.25 ☐ ft ☒ m | Sp. Conductance (umho/cm): 27

Salinity (ppt): 0.01 | Comments: Newly paved road and newly installed culvert bridge

Bottle Group(s): A, C

Location: Coon Creek 100 meters upstream of CR 69

Field ID / WIN/STORET #: WIN ID / Field ID Q2WA0005

Latitude: 30.3929 (dd) Longitude: -85.0625 (dd)

Comp ☐ Grab ☒ | Collection (comp begin or grab) Date: 4/12/18 Time: 0944 | Eastern / Central | Composite end Date: — Time: —

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

Diss. Oxygen: 76.1 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 15.11 | pH: 4.30 | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): 36

Salinity (ppt): 0.02 | Comments:

Bottle Group(s): C

Location: Stafford Creek 100 meters upstream of SR 69

Field ID / WIN/STORET #: WIN ID / Field ID Q2WA0004

Latitude: 30.4991 (dd) Longitude: -85.0427 (dd)

Comp ☐ Grab ☒ | Collection (comp begin or grab) Date: 4/12/18 Time: 1146 | Eastern / Central | Composite end Date: — Time: —

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

Diss. Oxygen: 93.4 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L): —

Temp (C): 16.67 | pH: 5.70 | Sample Depth: 0.2 ☐ ft ☒ m | Sp. Conductance (umho/cm): 60

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	4/12/18 1400				

Request Number: RQ-2018-04-09-20

Big, Big, Staffors, Coon, Stone Mill

last revised Jan 25, 2018

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Ralys, Will Lasley

Field Report Prepared By: Ben Ralys, Will Lasley

Sampling Agency: FDEP

Location / Field ID / WIN/STORET #: **Big Branch 50 meters upstream of CR 67**	WIN ID/Field ID: G1WA0001	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/12/18 Time 0350	Eastern (circled) Central	Composite end Date — Time —	Bottle Group(s) (See pg 2): C, D, BR
		Matrix (type, e.g., Salt, Fresh, etc): Fresh		Diss. Oxygen 77.8 ☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	
		Temp (C): 14.67	pH: 4.91	Sample Depth 0.25 ☐ ft ☒ m	Sp. Conductance (umho/cm): 37	
Latitude: 30.3110 ☒ dd ☐ dms	Longitude: -84.7651 ☒ dd ☐ dms	Salinity (ppt): 0.02	Comments			

Location / Field ID / WIN/STORET #		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)
		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)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			

Location / Field ID / WIN/STORET #		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)
		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)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			

Location / Field ID / WIN/STORET #		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)
		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)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
WL/BR	4/12/18 1400				

Group: A	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	3
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 3	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	3
	W-PO4-F						
Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	2
	W-ICP W-ICPMS						
Group: C	Bottle Type:	P-250ML-WO-THI	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
	ECOLI-18QT						
Group: D	Bottle Type:	QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	PCR-FILTER						
Group: D	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	W-E8321-DI W-E8321-MS						
Group: E	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	CH2ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	2
	W-CARB-AA						
Group: E	Bottle Type:	BG-500ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6

Group: E	Bottle Type:	BG-500ML	# of Bottles: 6	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	6
	W-CT-CI-R						
	W-PCL-SQ-R						
Group: E	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	2
	W-E8321-DI						
	W-E8321-MS						
Group: E	Bottle Type:	BG-1L	# of Bottles: 6	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	6
	W-PSNP-TQ						

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. ph

Meter ID: Bioloan #2 RQ- 2018-04-09.20 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	4/12/18	7:15	20.85	8.95	8.94	100.0	76.8	–	(P) / F	(L) / F
ICV	Ben Ralys	4/12/18	7:16	20.86	8.95	8.94	100.0	76.8	–	(P) / F	(L) / F
CCV	Will Lasley	4/12/18	1410	24.81	8.29	8.55	103.1	80.8	–	(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 Ralys	4/12/18	7:18	171005D	10/2018	1,000	1,000	(P) / F	(L) / F
ICV	Ben Ralys	4/12/18	7:19	171005D	10/2018	1,000	1,000	(P) / F	(L) / F
CCV	Will Lasley	4/12/18	1412	180326A	04/2019	100	99	(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 Ralys	4/12/18	7:20	171005B	4/2019	7.0	7.0	1.6	(P) / F	(L) / F
Calibr.	Ben Ralys	4/12/18	7:23	171005A	10/2018	4.0	3.82	176.9	(P) / F	(L) / F
Calibr.	Ben Ralys	4/12/18	7:26	171005C	4/2019	10.0	9.93	-158.2	(P) / F	(L) / F
ICV	Ben Ralys	4/12/18	7:27	171005C	4/2019	10.0	9.89	-156.2	(P) / F	(L) / F
CCV	Will Lasley	4/12/18	1414	171005A	10/2018	4.0	3.66	186.7	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:

Cooler Packing Worksheet for Request: RQ-2018-04-09-20
Big, Big, Staffors, Coon, Stone Mill
Ship Cooler On: 4/5/2018
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
Group B: Metals
Group C: E. coli
Group D: Tracers/Markers
Group E: Pesticides (AHERB Long List)

Packing Notes:
No FedEx labels
No Trash Bags

Requested Analyses:

Bottle Group: A **# of Sites: 3**

Container ID: P-1L **Qty: 3** **Preservation: ICE** **Lot #** 10070681

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: 3** **Preservation: ICE** **Lot #** 1220536

Description: Brown Plastic Bottle 1L

Analysis	Description
CHLSUITE-W	Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-500ML **Qty: 3** **Preservation: ICE And H2SO4** **Lot #** 00070440

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: 3** **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: 2**

Container ID: P-500ML **Qty: 2** **Preservation: HNO3** **Lot #** 00070440

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

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Bottle Group: C **# of Sites: 5**

Container ID: P-250ML-WO-THI **Qty: 5** **Preservation: ICE** **Lot #** L17167

Description:

Analysis	Description
ECOLI-18QT	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

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Bottle Group: D **# of Sites: 1**

Container ID: QPCR-P-250ML **Qty: 2** **Preservation: ICE** **Lot #** 00070172

Description: 250ml Sterile Nalgene (2)

Analysis	Description
PCR-FILTER	Preparation of Samples by Filtration and held for qPCR Analysis

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Container ID: BG-500ML **Qty: 1** **Preservation: ICE** **Lot #** 00070359

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: E # of Sites: 2

Container ID: BG-500ML **Qty: 2** **Preservation: CH2CICOOH Pre-Preserved** **Lot #** 00068393

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-CARB-AA	Carbamates in water matrices by HPLC/MS/MS

Container ID: BG-500ML **Qty: 6** **Preservation: ICE** **Lot #** 00070359

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-CT-CI-R	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization
W-PCL-SQ-R	Organochlorine pesticides in water matrices by GC/MS-SIM

Container ID: BG-500ML **Qty: 2** **Preservation: ICE** **Lot #** 00070359

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

Container ID: BG-1L **Qty: 6** **Preservation: ICE** **Lot #** 0070274

Description: Brown Glass Bottle 1L Affix BLUE dot to container.

Analysis	**Description**
W-PSNP-TQ	Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS

Cooler Packed By: BR Number of Coolers: 3 Date: 4-3-18

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-2018-04-09-20