



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Unnamed Creek at Woodrest Rd

Date: 3/27/19
(mm/dd/yyyy)

WIN/ Field ID: G3WA0010 ✓

WBID: 262A

Latitude: 30.80689954

County: Jackson

ORG ID: 21FLWQA

(Decimal Degrees)

Longitude: -85.46034058

(Decimal Degrees)

Receiving Body of Water: Alligator Creek

RQ- 2019-03-25-19

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Blake Spencer										
Avril Wood-McGrath										

Sampling Equipment			
☒ Sample Container	☐ Van Dorn	☐ Pole	
☐ Carboy	☒ Syringe		
☐ Dipper	☐ Other		
Depth Measured with <u>meter stick</u>			
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>BioLogix #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 <u>NA</u> Low <u>NA</u>				
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	13:58	0.2	0.1	VOR	8.65	93.4	5.57	0.01	33	19.06
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#: <u>2073204</u>	
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	<u>SA8274050</u>	<u>10/01/19</u>	<2			
Metals	☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO3			<2			
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice						
Chlorophyll	☒ CHL-SUITE-W				☒ Ice						
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W-TDS				☒ Ice						
Physical/Aggregate (Marine)	☐ Alkalinity / W-BR-IC / 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-BacR ☐ PCR-GULL2				☒ Ice						
	☒ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD				☒ Ice						
Tracers	☒ W-E8321-DI ☒ W-E8321-MS				☒ Ice						
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI				☐ Ice						
	☐ W-PCL-SQ-R ☐ W-E8321-MS ☐ W-CARB-AA				☐ Ice						
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C				☐ Ice						

Contains: 1.1 H2SO4
Lot No: SA8274050
Expires: 10/01/19
See Safety Data Sheet (SDS)

Place Preserve

Notes:

Group C: Nutrients, PCR(HF183,BacR),Tracers, E.coli

WIN ID / FILED ID



G3WA0010 ✓

Location

Unnamed Creek at Woodrest Rd

Signature:

Date:

3/27/19

LIMS EVENT ID: WAS-SFCT-2019-03-27-01

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: 4/10/19

QC Station ID, Field Parameters In LIMS DMT:

4/11/19

Scan/Save Field Sheets

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)

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

Meter ID: Bio/99V #2

RQ: 2019-03-25-19

Project: 11/10T

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.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification _____

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Blake Spencer	3/27/19	0732	19.91	760	9.111	9.11	100	53.3	—	P/F	L/F
ICV	1	3/27/19	0735	19.89	760	9.111	9.11	99.9	53.3	—	P/F	L/F
CCV	Blake Spencer	3/27/19	1646	21.90	760	9.761	9.71	99.4	46.1	—	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 (Pro DSS 0.75 to 1.50); 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 μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Blake Spencer	3/27/19	0741	180221A	03/30/19	500	500	P/F	L/F
ICV	1	3/27/19	0743	180221A	03/20/19	500	501	P/F	L/F
CCV	Blake Spencer	3/27/19	1648	1805F61	05/20/20	100	104	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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Blake Spencer	3/27/19	0747	180403C	10/30/19	7.02	20.48	7.02	78.2	P/F	L/F
Calibr.	1		0750	180621D	07/20/19	4.00	20.44	4.00	155.7	P/F	L/F
Calibr.	1		0755	180621F	6/1/2020	10.05	20.48	10.03	-187.9	P/F	L/F
ICV	1		0757	180621F	6/1/2020	10.05	20.47	10.03	-187.2	P/F	L/F
CCV	Blake Spencer	3/27/19	1654	180621D	07/20/19	4.00	20.71	3.99	155.5	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)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last 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	B. Spencer	3/27/19	0756	0.00	0.00	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: Blake Spencer

Field Report Prepared By: Blake Spencer

Sampling Agency: IDEP

Location	WIN/STORET #	Field ID	Latitude	Longitude	WIN ID / FILED ID	Collection (comp begin or grab)	Date	Time	Matrix (type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Salinity (ppt)	Diss. Oxygen	Sample Depth	Sp. Conductance (umho/cm)	Total Res. Chlorine (mg/L)	% sat	ft	m	Composite end Date	Time	Bottle Group(s)
Little Alligator Creek at SR 273	30.88873	30.88873	-85.46802	-85.46802	G3WA0006	☒ Comp Grab	3/27/19	11:15	Fresh	16.10	6.79	0.04	91.6	0.2	87							C
Scrublock Creek at Lovewood Rd	30.88873	30.88873	-85.4443	-85.4443	G3WA0009	☒ Comp Grab	3/27/19	10:15	Fresh	15.33	6.10	0.02	78.6	0.1	47							A
Alligator Creek Upstream of SR 273	30.88873	30.88873	-85.5042	-85.5042	G3WA0005	☒ Comp Grab	3/27/19	12:50	Fresh	16.77	6.12	0.02	88.6	0.2	50							B

Number of Coolers Shipped: 3

Received By: Tyler V.

Date/Time: 03/27/19 04:38

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Field Report Prepared By: Blake Spencer

Collected By: Blake Spencer & Avril Wood-McGee

Sampling Agency: FDEP

Location	Field ID	WIN/STORET #	Latitude	Longitude	WIN ID / FILED ID	Temp (C)	pH	Salinity (ppt)	Matrix (type, e.g., Salt, Fresh, etc)	Collection Date	Time	Diss. Oxygen (mg/L)	Total Res. Chlorine (mg/L)	Sp. Conductance (umho/cm)	Composite end Date	Time	Bottle Group(s)
Unnamed Creek at Palmyra Rd			30.812154	-85.454192		22.62	6.10	0.02	Fresh	3/27/19	14:25	124.3		42			C
Pine Barn Creek at Woodrest Rd									Fresh	3/27/19	12:10						C
Alligator Creek upstream of Bentley Rd.									Fresh	3/27/19	12:10	96.0					C
Unnamed Creek at Woodrest Rd			30.8735	-85.4723		16.80	6.23	0.04	Fresh	3/27/19	13:58	93.4		33			C

Relinquished By: <i>Blake Spencer</i>	Date/Time: 3/27/19 1638	Shipping Method: Hand Delivered	Number of Coolers Shipped: 3	Received By: <i>TDK</i>	Date/Time: 03/27/19 0438
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num
 405
 Page 3 of 4

Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab 4
Group: B	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type: PCR-BACR PCR-HF183	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative:	HNO3 lot #: NA 8344050 EXP: 12/10/19	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab

H2SO4
 LOT# 598274050
 EXP: 10/01/2019

Cooler Packing Worksheet for Request: RQ-2019-03-25-19

NWQI - Alligator Creek

Ship Cooler On: 3/21/2019

Customer/Project: WAS-SECT/SMP

Assigned To: REYNOLDS_T

Requester: Curtis Musson

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Please return
packing list with
sample submittal
forms.

Comments:

No preservatives needed.

Group A: Nutrients, Metals, PCR-FILTER, Pesticides, E. coli *Minnow Creek @ Love wood Rd.*
WBID 130 Minnow Creek

Group B: Nutrients, Metals, PCR (HF183, BacR), Tracers, E. coli
WBID 123. Alligator Creek at SR 273

Group C x 6
Nutrients, PCR (HF183, BacR), Tracers, E. coli
WBIDs 123x2, 195, 233A, 235, 262A

Packing Notes:

No FedEx labels

No Trash Bags

Requested Analyses:

Bottle Group: A

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Description: Plastic Bottle 1L

Lot # 00073369

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 using a maximum of 250 mL of sample

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 00073297

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

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00073297

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: 1 Preservation: FILTER-ICE

Lot # 00072954

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Container ID: BG-1L

Qty: 4 Preservation: ICE

Lot # 00073521

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

Bottle Group: B

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00073319

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00073297

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

AnalysisW-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOCDescriptionAmmonia 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: 1 Preservation: FILTER-ICE

Lot # 00072954

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: C

of Sites: 6

Container ID: P-1L

Qty: 6 Preservation: ICE

Lot # 00073319

Description: Plastic Bottle 1L

AnalysisALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-SO4-IC
W-TDS
W-TSSDescriptionAlkalinity 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 using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 6 Preservation: ICE

Lot # 1243571

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Cooler Packed By: Tyler R.

Number of Coolers: 4

Date: 03/20/19

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags/Zip Ties
- ☒ Acid Labels (sets of 24)

If Preservation Included:

ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2019-03-25-19