



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

Little Alligator Creek at SR 273

WIN Station Name:

Date: 2/7/18

WIN ID/ Field ID G3WA0006

WBID: 123

Latitude: 30.88873

(mm/dd/yyyy)

County: Jackson

ORG ID: 21FLWQA

Longitude: -85.46802

(Decimal Degrees)

Receiving Body of Water: Alligator Creek

RQ - 2018-02-05-34

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Duplicate Collection	Blank Collection	Sampling Equipment				
Ben Ralys			☒		☒	☒			☒ Sample Container	☐ Van Dorn	☒ Pole		
Will Lasley		☒	☒	☒					☐ Carboy	☒ Syringe			
									☐ Dipper	☐ Other			
									Depth Measured with: _____				
									Equipment ID: _____				
									Collection Method				
									☒ Wading			☐ Canoe/Kayak	
									☐ From Shore			☐ Electric Motor	
									☒ Other Bridge			☐ Gasoline Motor	
Water Level: Dry/ Pooled/ <u>Low</u> Normal/ High/ Flooded					Meter ID# Biology #2					Matrix: <u>Fresh</u> / Marine / DI			
Photos: <u>Yes</u> / No		Flow: No Flow / Intestinal / <u>Flowing</u> NA			Tide: Rising/ Falling/ Slack <u>NA</u>			Tide Times: High NA Low NA					

Field Sample

(Bracket Sample Time)

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	11:00	0.2	0.1	VOB	6.77	69.1	6.61	0.04	96	16.37
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 ☒ H ₂ SO ₄	7275010	10/2/18	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ <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-AHERB-AA ☐ W-PYR-AA-R ☐ W-CARB-AA	☐ Ice			
	☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Other			

Contains: 1:1 Sulfuric Acid
Lot No.: SA7275010
Expires: 10/02/18
See Safety Data Sheet (SDS)

Place Pres

Contains: 1:1 Sulfuric Acid
Lot No.: SA7275010
Expires: 10/02/18
See Safety Data Sheet (SDS)

QA/QC Sample Information Duplicate

Time Zone: EST CEN		Time: _____		Field ID: _____	
				(WIN ID + DUP)	
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 ₂ SO 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			
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-AHERB-AA ☐ W-PYR-AA-R ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			
Place Preservative Sticker(s) Here (If Available)					

Blank

Time Zone: EST CEN		Time: 1020		Field ID: Blank 02.072018 (BLANK_DDMMYYYY)	
DI Source: C Building		Location: Alligator Creek upstream of SR273		Equipment ID: _____	
☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank					
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 ₂ SO ₄	7275010	10/2/18	☒ < 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			
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-AHERB-AA ☒ W-PYR-AA-R ☒ W-CARB-AA ☒ W-PCL-SQ-R ☒ W-UHERB-AA ☒ W-GLYPH ☒ W-SUC-AA-R	☒ Ice ☐ Other			
Place Preservative Sticker(s) Here (If Available)					

Notes:

Kit-A, Bacteria
Tracers
(PCR-HF183, BacR)

Little Alligator
Creek at
SR 273

WIN ID / Field ID



Q3WA0006

Signature: *BR*

Date: 2/7/18

Enter Field Parameters, Verify Station ID In LIMS DMT: *JS 4.11.18*

(Initials/Date)

QC Station ID, Field Parameters In LIMS DMT: *Cu 4.12.18*

(Initials/Date)

Scan/Save Field Sheets

(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: #2

RQ- 2018-02-05-34

Project:

- 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.	Will Lasley	2/7/18	0720	20.72	8.968	8.96	100.0	420	-	P/F	L/F
ICV	Will Lasley	2/7/18	0722	20.72	8.968	8.96	100.0	420	-	P/F	L/F
CCV	Will Lasley	2/7/18	1422	22.16	8.71	8.58	98.4	41.0	-	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.	Will Lasley	2/7/18	0726	171005D	10/2018	1000	1000	P/F	L/F
ICV	Will Lasley	2/7/18	0727	171005D	10/2018	1000	1001	P/F	L/F
CCV	Will Lasley	2/7/18	1424	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.	Will Lasley	2/7/18	0728	170614B	12/2018	7.0	6.99	19.0	P/F	L/F
Calibr.	Will Lasley	2/7/18	0730	171005A	10/2018	4.0	3.99	186.6	P/F	L/F
Calibr.	Will Lasley	2/7/18	0732	171005C	04/2019	10.0	9.94	131.8	P/F	L/F
ICV	Will Lasley	2/7/18	0733	170614B	12/2018	7.0	6.83	32.5	P/F	L/F
CCV	Will Lasley	2/7/18	1426	171005C	04/2019	10.0	10.1	-143.8	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: NWQI

Requester: Curtis Musson

Collected By: Ben Raby, Will Lasley

Field Report Prepared By: Ben Raby, Will Lasley

Sampling Agency: FDEP

Location		WIN ID / Field ID	Comp	Collection (comp begin or grab)	Time	Composite end	Bottle Group(s)
Field ID	WIN/STORET #	Matrix (type, e.g., Salt, Fresh, etc)	Grab	Date	Diss. Oxygen	Date	(See pg 2)
Latitude 30.83682	Longitude -85.52943	Temp (C) 15.57	Salinity (ppt) 0.02	pH 6.02	Sample Depth 0.2	Sp. Conductance (umho/cm) 40	A, B
Alligator Creek upstream of SR 27.3							
Latitude 30.819	Longitude -85.5042	Temp (C) 15.47	Salinity (ppt) 0.03	pH 6.22	Sample Depth 0.3	Sp. Conductance (umho/cm) 67	A, B, C, D, E
Alligator Creek upstream of SR 27.3							
Latitude 30.819	Longitude -85.5042	Temp (C) 15.47	Salinity (ppt) 0.03	pH 6.22	Sample Depth 0.3	Sp. Conductance (umho/cm) 67	A, B, C, D, E
Field Blank							
Latitude 30.819	Longitude -85.5042	Temp (C)	Salinity (ppt)	pH	Sample Depth	Sp. Conductance (umho/cm)	A, B, C, D, E

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
W2/BR	2/7/18			[Signature]	2/7/18 2:00

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

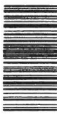
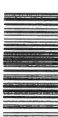
Project ID: NWQI

Requester: Curtis Musson

Collected By: Ben Rabys, Will Lasley

Field Report Prepared By: Ben Rabys, Will Lasley

Sampling Agency: FDEP

Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Little Alligator Creek at SR 273	WIN ID / Field ID		Date 2/7/18	Time 11:00	Eastern Central	Date	Time	(See pg 2)
WIN/STORET #			G3WA00006						A, B, C, D
Latitude	30.88873	dd dms	Longitude -85.46802	dd dms					
Location									
Field ID	Alligator Creek upstream of Bentley Rd.	WIN ID / Field ID		Date 2/7/18	Time	Eastern Central	Date	Time	A, B, C, D
WIN/STORET #			G3WA00004						D
Latitude	30.8735	dd dms	Longitude -85.4723	dd dms					
Location									
Field ID	Scurlock Creek at Pilgrim Rd	WIN ID / Field ID		Date 2/7/18	Time	Eastern Central	Date	Time	A, B, C, D
WIN/STORET #			G3WA00009						D
Latitude	30.8545	dd dms	Longitude -85.4443	dd dms					
Location									
Field ID	Unnamed Creek at Palrnview Rd	WIN ID / Field ID		Date 2/7/18	Time	Eastern Central	Date	Time	A, B, C, D
WIN/STORET #			G3WA00013						D
Latitude		dd dms	Longitude	dd dms					

Relinquished By: WLB	Date/Time: 2/7/18	Shipping Method	Number of Coolers Shipped:	Received By: [Signature]	Date/Time: 2/7/18 2:00
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Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Ben Rabys, Will Lasley

Project ID: NWQI

Collected By: Ben Rabys, Will Lasley

Sampling Agency: FDEP

Location		WIN ID / Field ID		Collection (comp begin or grab) Time		Composite end Date		Bottle Group(s) (See pg 2)	
Field ID	Pine Barn Creek at Woodrest Rd	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L Total Res. Chlorine		A, B, C, D	
WIN/STORET #	G3WA0011	Temp (C)		pH		ft Sp. Conductance (umho/cm)			
Latitude	30.8358	Longitude -85.4488		Comments					
Location		WIN ID / Field ID		Collection (comp begin or grab) Time		Composite end Date		Bottle Group(s)	
Field ID	Gilbert's Mill Creek at Woodrest Rd	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L Total Res. Chlorine		A, B, C, D	
WIN/STORET #	G3WA0010	Temp (C)		pH		ft Sp. Conductance (umho/cm)			
Latitude	30.8069	Longitude -85.4607		Comments					
Location		WIN ID / Field ID		Collection (comp begin or grab) Time		Composite end Date		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L Total Res. Chlorine			
WIN/STORET #		Temp (C)		pH		ft Sp. Conductance (umho/cm)			
Latitude		Longitude		Comments					
Location		WIN ID / Field ID		Collection (comp begin or grab) Time		Composite end Date		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L Total Res. Chlorine			
WIN/STORET #		Temp (C)		pH		ft Sp. Conductance (umho/cm)			
Latitude		Longitude		Comments					

Relinquished By: WLBR

Date/Time 2/7/18

Shipping Method

Number of Coolers Shipped:

Received By: [Signature]

Date/Time 2/7/18 2:00

Group: A	Bottle Type:	P-1L	# of Bottles: 10	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 10	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 10	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	5
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 10	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	5
	W-PO4-F						
Group: B	Bottle Type:	P-250ML-WO-THI	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ECOLI-18QT						
Group: C	Bottle Type:	BG-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	W-AHERB-AA						
	W-SUC-AA-R						
	W-UHERB-AA						
Group: D	Bottle Type:	QPCR-P-250ML	# of Bottles: 14	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	PCR-BACR						
	PCR-HF183						
Group: E	Bottle Type:	BG-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
	W-AHERB-AA						
	W-GLYPH						
	W-PYR-AA-R						
	W-SUC-AA-R						

Group: E	Bottle Type: W-UHERB-AA	BG-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
Group: E	Bottle Type: W-CARB-AA	BG-1L	# of Bottles: 3	Preservative: CH ₂ ClCOOH Pre-Preserved		Enter Number of Bottles Sent to Lab	6
Group: E	Bottle Type: W-CT-CI-R W-PCL-SQ-R	BG-500ML	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	8 6
Group: E	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6

Cooler Packing Worksheet for Request: RQ-2018-02-05-34

Alligator Creek NWQI

Ship Cooler On: 2/2/2018

Customer/Project: WAS-SECT/NWQI

Assigned To: SEARSON_C

Requester: Curtis Musson

Priority: 3

850-245-8453
2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:

Group A: Freshwater Kit

Group B: E.coli

Group C: Tracers (AHERB Short List)

Group D: PCR

Group E: Pesticides (AHERB Long List)

Packing Notes:

No FedEx Labels

1 - case of sulfuric acid

Requested Analyses:

Bottle Group: A

of Sites: 10

Container ID: P-1L

Qty: 10 Preservation: ICE

Lot # 00069122

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: 10 Preservation: ICE

Lot # 1214297

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: QPCR-P-250ML

Qty: 14 Preservation: ICE

Lot # 00069545

Description: 250ml Sterile Nalgene (2)

Analysis

PCR-BACR

PCR-HF183

Description

Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction

Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Bottle Group: E

of Sites: 3

Container ID: BG-1L

Qty: 6 Preservation: ICE

Lot # 00069604

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA

W-GLYPH

W-PYR-AA-R

W-SUC-AA-R

W-UHERB-AA

Description

Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS

Glyphosate in water matrices by HPLC/MS/MS

Pyraclostrobin 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

Container ID: BG-1L

Qty: 3 Preservation: CH₂ClCOOH Pre-Preserved Lot # 00069911

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-CARB-AA

Description

Carbamates in water matrices by HPLC/MS/MS

Container ID: BG-500ML

Qty: 8 Preservation: ICE

Lot # 00069911

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CT-Cl-R

W-PCL-SQ-R

Description

Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization

Organochlorine pesticides in water matrices by GC/MS-SIM

Container ID: BG-1L

Qty: 8 Preservation: ICE

Lot # 00069911

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS