

LIMS EVENT: WAS-SECT-2018-08-15-01



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Alligator Creek upstream of SR 273

Date: 8/15/18

WIN ID/ Field ID: G3WA0005

WBID: 123

Latitude: 30.819

(mm/dd/yyyy)

County: Washington

ORG ID: 21FLWQA

Longitude: -85.5042

(Decimal Degrees)

Receiving Body of Water: Holmes Creek

RQ - 2018-07-30-18

(Decimal Degrees)

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Duplicate Collection	Blank Collection
Ben Ralys								
Phil Homann								

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# 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

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	0945	0.6	0.3	0.3	4.33	52.6	6.36	0.02	43	25.23
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#: 2017333

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	SA8101020	4/11/19	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	NA-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-CHIC / 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 ☒ W-PCL-SQ-R ☒ W-UHERB-AA ☒ W-GLYPH ☒ W-SUC-AA-R	☒ Ice			
		☐ Other			

Contains: 1:1 H2SO4
Lot No.: SA8101020
Expires: 04/11/19
See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4
Lot No.: SA8101020
Expires: 04/11/19
See Safety Data Sheet (SDS)

Contains
1:1
Nitric Acid
NA-7261120
EXP: 09/18/18
See SDS

Minnow Creek At
Lovewood Rd

WIN ID

G3WA0008

QA/QC Sample Information

Field ID →

Duplicate

G3WA0008_dup

qc-dup

Time Zone: <u>EST</u> CEN		Time: <u>105</u>		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	SA8101020	4/11/19	☒ < 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-CI-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			

Contains: 1:1 H2SO4
Lot No: SA8101020
Expires: 04/11/19
See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4
Lot No: SA8101020
Expires: 04/11/19
See Safety Data Sheet (SDS)

Blank

Time Zone: <u>EST</u> CEN		Time: <u>1030</u>		Field ID: <u>Blank_08152018</u>	
DI Source: <u>Lab</u>		Location: <u>Minnow Creek @ Lovewood Rd</u>		(BLANK_DMMYYMM)	
☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank		Equipment ID: _____			
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	SA8101020	4/11/19	☒ < 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-CI-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			

SULFURIC ACID <51%
DANGER
7664-93-9
7726-18-5
Contains: 1:1 H2SO4
THERMO FISHER SCIENTIFIC
520 NORTH MAIN STREET
MAINE, ME 04104
1-828-856-2711
May be corrosive to metals. Causes severe skin burns and eye damage. Do not breathe fumes/vapors. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Wash contaminated clothing before reuse. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/soak off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Store in corrosive resistant container with a resistant inner liner.

Contains: 1:1 H2SO4
Lot No: SA8101020
Expires: 04/11/19
See Safety Data Sheet (SDS)

Field Blank

Blank_08152018

Notes: Kit-A, Bacteria		WIN ID / Field ID Minnow Creek At Lovewood Rd G3WA0008	
Signature: <u>[Signature]</u>		Date: <u>8/16/18</u>	

Enter Field Parameters, Verify Station ID In LIMS DMT: 8/27/18 (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: CM 8-28-18 (Initials/Date)

Scan/Save Field Sheets CM 8-28-18 (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 name.

Meter ID: Biology 2

RQ: 2018-07-30-18

Project: SMP/NWQI

- 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	8/15	7:11	20.86	8.95	8.94	100.0	72.7	-	(P) F	(L) F
ICV	Ben Ralys	8/15	7:13	20.89	8.95	8.93	100.0	72.7	-	(P) F	(L) F
CCV	Ben Ralys	8/15	2:31	21.22	8.88	8.95	100.8	69.6	-	(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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	8/15	7:15	180403A	4/2019	1,000	1,000	(P) F	(L) F
ICV	Ben Ralys	8/15	7:16	180403A	4/2019	1,000	1,000	(P) F	(L) F
CCV	Ben Ralys	8/15	2:32	2802833	Jan/2020	100	101	(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	8/15	7:17	171121A	6/2019	7.0	7.00	18.8	(P) F	(L) F
Calibr.	Ben Ralys	8/15	7:21	180510B	5/2019	4.0	4.00	187.0	(P) F	(L) F
Calibr.	Ben Ralys	8/15	7:21	180221E	9/2019	10.0	10.01	-151.4	(P) F	(L) F
ICV	Ben Ralys	8/15	7:24	180221E	9/2019	10.0	10.01	-151.4	(P) F	(L) F
CCV	Ben Ralys	8/15	2:34	180510B	5/2019	4.0	3.86	195.4	(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:

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By:

Field Report Prepared By:

Sampling Agency:

Curtis Musson

Ben Roberts Phil Haney

Location		Alligator Creek		WIN ID / Field ID		Sampling Agency: <u>FLDEP</u>	
Field ID		upstream of SR 27.3		Barcode		Bottle Group(s) (See pg 2)	
WIN/STORET #		30.819		G3WA00005		A	
Latitude		30.819		Longitude -85.5042		Composite end	
Location		Minnow Creek At		WIN ID		Bottle Group(s)	
Field ID		_ovewood Rd		Barcode		C	
WIN/STORET #		30.83682		G3WA00008		C	
Latitude		30.83682		Longitude -85.52943		Composite end	
Location		Minnow Creek At		WIN ID		Bottle Group(s)	
Field ID		_ovewood Rd		Barcode		C	
WIN/STORET #		30.83682		G3WA00008		C	
Latitude		30.83682		Longitude -85.52943		Composite end	
Location		Field Blank		WIN ID		Bottle Group(s)	
Field ID		Blank		Barcode		D	
WIN/STORET #		30.83682		G3WA00008		D	
Latitude		30.83682		Longitude -85.52943		Composite end	
Location		Minnow Creek At		WIN ID		Bottle Group(s)	
Field ID		_ovewood Rd		Barcode		C	
WIN/STORET #		30.83682		G3WA00008		C	
Latitude		30.83682		Longitude -85.52943		Composite end	
Location		Field Blank		WIN ID		Bottle Group(s)	
Field ID		Blank		Barcode		D	
WIN/STORET #		30.83682		G3WA00008		D	
Latitude		30.83682		Longitude -85.52943		Composite end	
Location		Minnow Creek At		WIN ID		Bottle Group(s)	
Field ID		_ovewood Rd		Barcode		C	
WIN/STORET #		30.83682		G3WA00008		C	
Latitude		30.83682		Longitude -85.52943		Composite end	
Location		Field Blank		WIN ID		Bottle Group(s)	
Field ID		Blank		Barcode		D	
WIN/STORET #		30.83682		G3WA00008		D	
Latitude		30.83682		Longitude -85.52943		Composite end	
Location		Minnow Creek At		WIN ID		Bottle Group(s)	
Field ID		_ovewood Rd		Barcode		C	
WIN/STORET #		30.83682		G3WA00008		C	
Latitude		30.83682		Longitude -85.52943		Composite end	
Location		Field Blank		WIN ID		Bottle Group(s)	
Field ID		Blank		Barcode		D	
WIN/STORET #		30.83682		G3WA00008		D	
Latitude		30.83682		Longitude -85.52943		Composite end	
Location		Minnow Creek At		WIN ID		Bottle Group(s)	
Field ID		_ovewood Rd		Barcode		C	
WIN/STORET #		30.83682		G3WA00008		C	
Latitude		30.83682		Longitude -85.52943		Composite end	
Location		Field Blank		WIN ID		Bottle Group(s)	
Field ID		Blank		Barcode		D	
WIN/STORET #		30.83682		G3WA00008		D	
Latitude		30.83682		Longitude -85.52943		Composite end	
Location		Minnow Creek At		WIN ID		Bottle Group(s)	
Field ID		_ovewood Rd		Barcode		C	
WIN/STORET #		30.83682		G3WA00008		C	
Latitude		30.83682		Longitude -85.52943		Composite end	
Location		Field Blank		WIN ID		Bottle Group(s)	
Field ID		Blank		Barcode		D	
WIN/STORET #		30.83682		G3WA00008		D	
Latitude		30.83682		Longitude -85.52943		Composite end	
Location		Minnow Creek At		WIN ID		Bottle Group(s)	
Field ID		_ovewood Rd		Barcode		C	
WIN/STORET #		30.83682		G3WA00008		C	
Latitude		30.83682		Longitude -85.52943		Composite end	
Location		Field Blank		WIN ID		Bottle Group(s)	
Field ID		Blank		Barcode		D	
WIN/STORET #		30.83682		G3WA00008		D	
Latitude		30.83682		Longitude -85.52943		Composite end	
Location		Minnow Creek At		WIN ID		Bottle Group(s)	
Field ID		_ovewood Rd		Barcode		C	
WIN/STORET #		30.83682		G3WA00008		C	
Latitude		30.83682		Longitude -85.52943		Composite end	
Location		Field Blank		WIN ID		Bottle Group(s)	
Field ID		Blank		Barcode		D	
WIN/STORET #		30.83682		G3WA00008		D	
Latitude		30.83682		Longitude -85.52943		Composite end	
Location		Minnow Creek At		WIN ID		Bottle Group(s)	
Field ID		_ovewood Rd		Barcode		C	
WIN/STORET #		30.83682		G3WA00008		C	
Latitude		30.83682		Longitude -85.52943		Composite end	
Location		Field Blank		WIN ID		Bottle Group(s)	
Field ID		Blank		Barcode		D	
WIN/STORET #		30.83682		G3WA00008		D	
Latitude		30.83682		Longitude -			

Relinquished By:

Date/Time 06/17/17

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

7/1/14 8/1/18 8

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Roberts, PhD

Field Report Prepared By: Ben Roberts, PhD

Sampling Agency: FDEP

Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	WIN ID / Field ID	Comp	Grab	Date	Time	mg/L	% sat	Chlorine	
Little Alligator Creek at SR 273		G3WA00006		Fresh		59.4		B	
Latitude	30.88873	dd	dms	Longitude	-85.46002	dd	dms	Sample Depth	84
Location		G3WA00006		0.04		pH		0.2	
Field ID		Alligator Creek upstream of Bentley Rd.		G3WA00004		1110		B	
Latitude		dd	dms	Longitude		dd	dms	Sample Depth	
Location		G3WA00004		no flow - did not sample		1120		B	
Field ID	Scurlock Creek at Pilgrim Rd	G3WA00009		1130		1130		B	
Latitude		dd	dms	Longitude		dd	dms	Sample Depth	
Location		G3WA00011		no flow - did not sample		1130		B	
Field ID	Pine Barn Creek at Woodcrest Rd	G3WA00011		1130		1130		B	
Latitude		dd	dms	Longitude		dd	dms	Sample Depth	
Location		G3WA00011		no flow - did not sample		1130		B	

Relinquished By: Ben Roberts

Date/Time: 8/25/18

Shipping Method: Delivered

Number of Coolers Shipped: 3

Received By:

Date/Time: 8/25/18

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By:

Field Report Prepared By:

Sampling Agency:

Ben Labs, Phil Roman

SDEP

Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Gilberts Mills Creek at Woodcrest Rd		Date 8-15-18 Time 1150		Date		(See pg 2)	
WIN/STORET #		30.8069		Matrix (type, e.g., Salt, Fresh, etc) Fresh		mg/L		Total Res. Chlorine	
Latitude		dd dms		Temp (C) 25.71		pH 5.90		Sample Depth 0.1	
Longitude		dd dms		Salinity (ppt) 0.01		ft m		Sp. Conductance (umho/cm) 31	
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Unnained Creek at Palmview Rd		Date 8-15-18 Time 1140		Date		(See pg 2)	
WIN/STORET #		30.8069		Matrix (type, e.g., Salt, Fresh, etc)		mg/L		Total Res. Chlorine	
Latitude		dd dms		Temp (C)		pH		Sample Depth	
Longitude		dd dms		Salinity (ppt)		ft m		Sp. Conductance (umho/cm)	
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Unnained Creek at Palmview Rd		Date 8-15-18 Time 1140		Date		(See pg 2)	
WIN/STORET #		30.8069		Matrix (type, e.g., Salt, Fresh, etc)		mg/L		Total Res. Chlorine	
Latitude		dd dms		Temp (C)		pH		Sample Depth	
Longitude		dd dms		Salinity (ppt)		ft m		Sp. Conductance (umho/cm)	
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Unnained Creek at Palmview Rd		Date 8-15-18 Time 1140		Date		(See pg 2)	
WIN/STORET #		30.8069		Matrix (type, e.g., Salt, Fresh, etc)		mg/L		Total Res. Chlorine	
Latitude		dd dms		Temp (C)		pH		Sample Depth	
Longitude		dd dms		Salinity (ppt)		ft m		Sp. Conductance (umho/cm)	
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Unnained Creek at Palmview Rd		Date 8-15-18 Time 1140		Date		(See pg 2)	
WIN/STORET #		30.8069		Matrix (type, e.g., Salt, Fresh, etc)		mg/L		Total Res. Chlorine	
Latitude		dd dms		Temp (C)		pH		Sample Depth	
Longitude		dd dms		Salinity (ppt)		ft m		Sp. Conductance (umho/cm)	
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Unnained Creek at Palmview Rd		Date 8-15-18 Time 1140		Date		(See pg 2)	
WIN/STORET #		30.8069		Matrix (type, e.g., Salt, Fresh, etc)		mg/L		Total Res. Chlorine	
Latitude		dd dms		Temp (C)		pH		Sample Depth	
Longitude		dd dms		Salinity (ppt)		ft m		Sp. Conductance (umho/cm)	
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Unnained Creek at Palmview Rd		Date 8-15-18 Time 1140		Date		(See pg 2)	
WIN/STORET #		30.8069		Matrix (type, e.g., Salt, Fresh, etc)		mg/L		Total Res. Chlorine	
Latitude		dd dms		Temp (C)		pH		Sample Depth	
Longitude		dd dms		Salinity (ppt)		ft m		Sp. Conductance (umho/cm)	
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Unnained Creek at Palmview Rd		Date 8-15-18 Time 1140		Date		(See pg 2)	
WIN/STORET #		30.8069		Matrix (type, e.g., Salt, Fresh, etc)		mg/L		Total Res. Chlorine	
Latitude		dd dms		Temp (C)		pH		Sample Depth	
Longitude		dd dms		Salinity (ppt)		ft m		Sp. Conductance (umho/cm)	

Relinquished By: Ben Labs	Date/Time: 8/16/18	Shipping Method: Delivered	Number of Coolers Shipped: 3	Received By:	Date/Time: 8/15/18 1414
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Group: A	Bottle Type:	P-1L	# of Bottles: 1	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: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ECOLI-18QT					
Group: A	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	PCR-BACR					
	PCR-HF183					
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	CH2ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab
	W-CARB-AA					
Group: A	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	W-CT-CL-R					
	W-PCL-SQ-R					4
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	W-E8321-DI					
	W-E8321-MS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab
	W-ICP					
	W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					

H2SO4
LOT# S48101020
EXP: 04/11/2019

NA-7251120
EXP: 09.10.18

Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
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: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: PCR-BACR PCR-HF183	QPCR-P-500ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4 H2SO4 LOT# S48101020 EXP: 04/11/2019	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 6	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	2
Group: C	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2

Group: C	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					2
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: C	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	2
	CHLSUITE-W					
Group: C	Bottle Type:	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	2
	ECOLI-18QT					
Group: C	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	2
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: C	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	2
	W-PO4-F					
Group: D	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	1
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: D	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	1
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					

H2SO4
LOT# S48101020
EXP: 04/11/2019

H2SO4
LOT# S48101020
EXP: 04/11/2019

Page 4 of 5

Group: D	Bottle Type: W-TKN W-TOC	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4 H2SO4 LOT# S08101020 EXP: 04/11/2019	Enter Number of Bottles Sent to Lab	1
Group: D	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	1

Cooler Packing Worksheet for Request: RQ-2018-07-30-18

Alligator Creek

Ship Cooler On: 7/26/2018

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:

Group A: Nutrients, Metals, PCR, Pesticides, E.coli
Alligator Creek US of SR273

Group B: Nutrients, PCR, Tracers, E.coli
WBIDs 123 (x2), 195, 233A, 235, 262A)

Group C: Nutrients, E.coli
WBID 130 Sample and DUP

Group D: Nutrients
Field Blank

Packing Notes
No FedEx labels
No Trash bags

1 - case of sulfuric acid
1 - case of nitric acid
2 - sets of sulfuric acid labels
2 - sets of nitric acid labels

Requested Analyses:

Bottle Group: A

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 100 712 33

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 using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1221957

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-250ML-WO-THI

Qty: 1 Preservation: ICE

Lot # 118038

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: QPCR-P-500ML

Qty: 1 Preservation: ICE

Lot # 60070587

Description: 500ml Sterile Nalgene

Affix PCR Instruction Label to container

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

Container ID: BG-500ML

Qty: 1 Preservation: CH₂ClCOOH Pre-Preserved

Lot # 60071185

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CARB-AA

Description

Carbamates in water matrices by HPLC/MS/MS

Container ID: BG-500ML

Qty: 4 Preservation: ICE

Lot # 60071185

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-500ML

Qty: 1 Preservation: ICE

Lot # 60071185

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

Description

W-E8321-DI
W-E8321-MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 00071230

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 # 00071230

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 # 00071266

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 # 00070613

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

Bottle Group: B

of Sites: 6

Container ID: P-1L

Qty: 6 Preservation: ICE

Lot # 00071233

Description: Plastic Bottle 1L

Analysis

Description

ALKALINITY	Alkalinity in aqueous matrices as mg CaCO ₃ /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 using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 6 Preservation: ICE

Lot # 1221957

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-250ML-WO-THI

Qty: 6 Preservation: ICE

Lot # 118038

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: QPCR-P-500ML

Qty: 6 Preservation: ICE

Lot # 00070587

Description: 500ml Sterile Nalgene

Affix PCR Instruction Label to container

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

Container ID: BG-500ML

Qty: 6 Preservation: ICE

Lot # 00071185

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 6 Preservation: ICE And H2SO4

Lot # 00071230

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: 6 Preservation: FILTER-ICE

Lot # 00071266

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: 2

Container ID: P-1L

Qty: 2 Preservation: ICE

Lot # 00071233

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 using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 2 Preservation: ICE

Lot # 1221957

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-250ML-WO-THI

Qty: 2 Preservation: ICE

Lot # 218038

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: P-500ML

Qty: 2 Preservation: ICE And H2SO4

Lot # 00071230

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: 2 Preservation: FILTER-ICE

Lot # 00071266

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Bottle Group: D

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00071233

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 using a maximum of 250 mL of sample

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 60071230

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 # 00071266

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: Tyler R.

Number of Coolers: 5

Date: 07/27/18

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	sulfuric acid	Exp	04/11/19	Lot #	8101020
ID	nitric acid	Exp	03/21/19	Lot #	8080070
ID		Exp		Lot #	
ID		Exp		Lot #	
ID		Exp		Lot #	

PLEASE RETURN ALL COOLERS FOR RQ-2018-07-30-18