



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

April 2018

Data Qualified?
Yes / No

WIN Station Name: Juniper Creek upstream of Juniper Creek Rd.

Date: 10/24/2018

WIN/ Field ID: G1WA0059

WBID: 682

Latitude: 30.531

(mm/dd/yyyy)

County: Gadsden

ORG ID: 21FLWQA

Longitude: -84.736

(Decimal Degrees)

Receiving Body of Water: Telogia Creek

RQ-2018- 10-22-10

(Decimal Degrees)

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Curtis Musson						X			X
Blake Spencer					X		X	X	

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 / Normal / High / Flooded

Meter ID# Biology #2 Matrix: Fresh / Marine / DI

Photos: Yes / No Flow: No Flow / Intestinal / 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 (PPT)	Sp COND (µmhos/cm)	Temp. (C°)
EST	<u>0901</u>	<u>0.4</u>	<u>0.3</u>	<u>100</u>	<u>5.88</u>	<u>63.1</u>	<u>6.12</u>	<u>0.04</u>	<u>86</u>	<u>18.12</u>
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#: 2035495

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>SA8085170</u>	<u>3/26/19</u>	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☐ HNO3	<u>NA7341010</u>	<u>12/7/18</u>	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	<u>10827054</u>		
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			
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-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA	☐ Ice ☐ Other			

Contains: 1:1 H2SO4
Lot No: SA8085170
Expires: 03/26/19
See Safety Data Sheet (SDS)

Contains 1:1 Nitric Acid
NA-7341010
EXP: 12/7/18
See SDS

SULFURIC ACID <51%
DANGER
7732-184
7732-184
May be corrosive to metals. Causes severe skin burns and eye damage. Do not breathe. Avoid contact with skin and clothing. Do not get inside of clothing. If swallowed, do not induce vomiting. If inhaled, get fresh air immediately. If on skin, wash with plenty of water. If in eyes, flush with plenty of water for at least 15 minutes. Seek medical attention immediately. Do not eat, drink, or smoke when using this product. Do not use near open flames or heat. Do not mix with other chemicals. Do not pour down drain. Dispose of in accordance with local, state, and federal regulations. See Safety Data Sheet (SDS) for more information.

Notes:

Kit C
E.coli

WIN ID / FIELD ID

Ju niper Creek
Upstream of
Ju niper Creek Rd



G1WA0059

Signature: [Signature]

Date: 10/24/18

Enter Field Parameters, Verify Station ID In LIMS DMT: 888 10/26/18

QC Station ID, Field Parameters In LIMS DMT: CM 11-2-18

Scan/Save Field Sheets 11-2-18
(Initials/Date)

Migrate Data to WIN: [Signature]
(Initials/Date)

Verify Data In WIN: [Signature]
(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:

Bio #2

RQ:

2018-10-22-10

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.	Blake Spencer	10/24/18	0710	20.45	9.003	9.01	100	23.7	-	P/F	L/F
ICV	Blake Spencer	10/24/18	0712	20.47	9.003	9.02	100.1	23.7	-	P/F	L/F
CCV	Blake Spencer	10/24/18	1252	22.11	8.727	8.45	96.2	24.7	-	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 μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Blake Spencer	10/24/18	0715	180621C	07/2019	1000	1000	P/F	L/F
ICV	Blake Spencer	10/24/18	0716	140621C	07/2019	1000	100.1	P/F	L/F
CCV	Blake Spencer	10/24/18	1257	1805F81	05/2020	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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Blake Spencer	10/24/18	0722	180521E	01/2020	7.0	7.00	0.6	P/F	L/F
Calibr.	Blake Spencer	10/24/18	0726	180510B	05/2019	4.0	4.00	173.4	P/F	L/F
Calibr.	Blake Spencer	10/24/18	0729	180403D	10/2019	10.0	9.97	-161.1	P/F	L/F
ICV	Blake Spencer	10/24/18	0731	180403D	10/2019	10.0	9.96	-161.0	P/F	L/F
CCV	Blake Spencer	10/24/18		180510B	05/2019	4.0	3.97	173.1	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	Blake Spencer	10/24/18	0733	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: FAEP

Location		WIN ID / FIELD ID		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID		Juiper Creek Upstream of Juiper Creek Rd		Date 10/24/18 Time 0901		Diss. Oxygen 63.1		Total Res. Chlorine		(See pg 2)	
WIN/STORET #		30.531		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Sample Depth 0.3		Sp. Conductance (umho/cm) 86		A	
Latitude		30.531		Temp (C) 18.12		pH 6.12		Comments			
Longitude		-84.736		Salinity (ppt) 0.04							
Location		Lake Tom John Middle		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID		Lake Tom John Middle		Date 10/24/18 Time 1133		Diss. Oxygen 126.5		Total Res. Chlorine		A	
WIN/STORET #		30.54484		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Sample Depth 0.3		Sp. Conductance (umho/cm) 54			
Latitude		30.54484		Temp (C) 23.32		pH 7.25		Comments			
Longitude		-84.21478		Salinity (ppt)							
Field ID				Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
WIN/STORET #				Date		Diss. Oxygen		Total Res. Chlorine			
Latitude				Matrix (type, e.g., Salt, Fresh, etc)		Sample Depth		Sp. Conductance (umho/cm)			
Longitude				Temp (C)		pH		Comments			
Field ID				Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
WIN/STORET #				Date		Diss. Oxygen		Total Res. Chlorine			
Latitude				Matrix (type, e.g., Salt, Fresh, etc)		Sample Depth		Sp. Conductance (umho/cm)			
Longitude				Temp (C)		pH		Comments			

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
	10/24/18 1228	Hand Delivered	1		10.2418/12.28

Group: A	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	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	2
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ECOLI-18QT						
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	2
	W-ICP						
	W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
	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	2
	W-PO4-F						

Cooler Packing Worksheet for Request: RQ-2018-10-22-10

Group 1 LVIs

Ship Cooler On: 10/19/2018
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: Nutrients, Metals, E. coli x3

Requested Analyses:

Bottle Group: A

of Sites: 3

Container ID: P-1L

Qty: 3 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: 3 Preservation: ICE

Lot # 1219444

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: 3 Preservation: ICE

Lot # 418038

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: 3 Preservation: HNO3

Lot # 00072044

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: 3 Preservation: ICE And H2SO4

Lot # 00072044

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: 3 Preservation: FILTER-ICE

Lot # 00066993

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: SK Number of Coolers: 2 Date: 10-17-18

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

PLEASE RETURN ALL COOLERS FOR RQ-2018-10-22-10