



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Lewis Creek Upstream of 157

Date: 10/08/2019

(mm/dd/yyyy)

WIN/ Field ID: G1WA0075

WBID: 440

Latitude: 30.60799

(Decimal Degrees)

County: Gadsden

ORG ID: 21FLWQA

Longitude: -84.36349

(Decimal Degrees)

Receiving Body of Water: Ochlockonee River

RQ- 2019-09-30-58

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Blake Spencer										☒ Sample Container	☐ Van Dorn	☐ Pole		
Evelyn Becerra										☐ 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 <u>Low</u> Normal / High / Flooded					Meter ID# 18J104543					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 (umhos/cm)	Temp. (C°)				
EST	1320	0.1	0.05	VOR	4.91	58.5	6.66	0.1	204.4	24.0				
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#:														
Parameter Suite	Parameter Methods					Preservation	Lot#	Expiration	pH Check					
Preserved Nutrients	☒ W-NH3 / ☒ W-NO2/NO3 / ☒ W-TKN / ☒ W-TOC / ☒ W-S-A-TP					☒ Ice ☒ H2SO4	SA9129/00	05/09/20	☒ <2					
Metals	☐ W-ICPMS ☐ W-ICP					☐ Ice ☐ HNO3			☐ <2					
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um 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-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 ☐ 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 ☐ W-PCL-SQ-R ☐ W-E8321-MS ☐ W-CARB-AA					☐ Ice								
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C					☐ Ice								
Notes: Nutrients Limited Nutrients AGP														
Signature: <u>[Signature]</u> Date: <u>10/8/19</u>														
WIN ID / FILED ID → <u>G1WA0075</u> Location <u>Lewis Creek Upstream of 157</u>														

LIMS EVENT ID: WQAP-2019-10-08-06

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: 444 - 10/9/19

QC Station ID, Field Parameters In LIMS DMT: ADWW 11/13/19

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

Streams AGP

last revised Jan 25, 2018

Customer: WQAP

Requester: Julie K. Espy

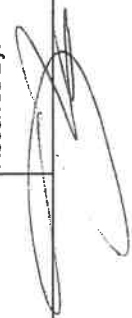
Field Report Prepared By: Evelyn Becerra

Project ID: SPPROJECTS

Collected By: Blake Spencer & Evelyn Becerra

Sampling Agency: FSEP

Location		WIN ID / FILED ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		G1WA0093		Date 10/8/2019 Time 1015		mg/L Total Res. Chlorine		A	
WIN/STORET #		Richlander Creek at CR 65B		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen			
Latitude		dd dms		Temp (C) 22.3		pH 6.29			
Longitude		dd dms		Salinity (ppt) 0.03		Sample Depth 0.1		Sp. Conductance (umho/cm) 66.4	
Location		WIN ID / FILED ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		G1WA0075		Date 10/8/2019 Time 1320		mg/L Total Res. Chlorine		A	
WIN/STORET #		Lewis Creek Upstream of 157		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen			
Latitude		dd dms		Temp (C) 24.0		pH 6.66			
Longitude		dd dms		Salinity (ppt) 0.10		Sample Depth 0.05		Sp. Conductance (umho/cm) 204.4	
Location		WIN ID / FILED ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		G1WA0090		Date 10/8/2019 Time 1515		mg/L Total Res. Chlorine		A	
WIN/STORET #		O'clockonee River Upstream of 27		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen			
Latitude		dd dms		Temp (C) 27.7		pH 7.09			
Longitude		dd dms		Salinity (ppt) 0.09		Sample Depth 0.3		Sp. Conductance (umho/cm) 192.7	
Location		WIN ID / FILED ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		G1WA0086		Date 10/8/2019 Time 1115		mg/L Total Res. Chlorine		A	
WIN/STORET #		Little River at Highbridge Road		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen			
Latitude		dd dms		Temp (C) 24.4		pH 6.38			
Longitude		dd dms		Salinity (ppt) 0.05		Sample Depth 0.3		Sp. Conductance (umho/cm) 115.0	

Relinquished By: 	Date/Time: 10/9/19 1616	Shipping Method: HD	Number of Coolers Shipped: 2	Received By: 	Date/Time: 10/8/19 1616
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Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WQAP

Requester: Julie K. Espy

Field Report Prepared By: Evelyn Becerra

Project ID: SPPROJECTS

Collected By: Blake Spencer & Evelyn Becerra

Sampling Agency: FDEP

Location		WIN ID / FILED ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		G1WA0073		Date 10/08/2019 Time 0915		Date		(See pg 2)	
WIN/STORET #		Little River 100 meters upstream of US 90		Matrix (type, e.g., Salt, Fresh, etc) FRESH		Diss. Oxygen 87.2		Total Res. Chlorine (mg/L) -	
Latitude		dd dms		Temp (C) 23.8		pH 6.62		Sample Depth 0.3	
Longitude		dd dms		Salinity (ppt) 0.06		ft		Sp. Conductance (umho/cm) 118.8	
Comments									
Location		WIN ID / FILED ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		G1WA0091		Date 10/09/2019 Time 1400		Date		(See pg 2)	
WIN/STORET #		Double Branch at CR159		Matrix (type, e.g., Salt, Fresh, etc) FRESH		Diss. Oxygen 65.5		Total Res. Chlorine (mg/L) -	
Latitude		dd dms		Temp (C) 20.0		pH 5.98		Sample Depth 0.05	
Longitude		dd dms		Salinity (ppt) 0.04		ft		Sp. Conductance (umho/cm) 89.7	
Comments									
Location		WIN ID / FILED ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Date		Date		(See pg 2)	
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine (mg/L)	
Latitude		dd dms		Temp (C)		pH		Sample Depth	
Longitude		dd dms		Salinity (ppt)		ft		Sp. Conductance (umho/cm)	
Comments									
Location		WIN ID / FILED ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Date		Date		(See pg 2)	
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine (mg/L)	
Latitude		dd dms		Temp (C)		pH		Sample Depth	
Longitude		dd dms		Salinity (ppt)		ft		Sp. Conductance (umho/cm)	
Comments									

Relinquished By: 	Date/Time: 10/8/19 16:16	Shipping Method: HA	Number of Coolers Shipped: 2	Received By: 	Date/Time: 10/5/19 16:16
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Group: A	Bottle Type: AA-AGP	OP-500ML	# of Bottles: 18	Preservative:	ICE	Enter Number of Bottles Sent to Lab	12
Group: A	Bottle Type: AA-LIM-NUT	BP-1L	# of Bottles: 18	Preservative:	ICE	Enter Number of Bottles Sent to Lab	12
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 9	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 9	Preservative: ICE And H2SO4 H2SO4 LOT# SAG129100 EXP: 05/07/2020		Enter Number of Bottles Sent to Lab	0
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 9	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	0

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: 18J104543

RQ: 2019-09-30-59

Project: Little River SPP Projects

- 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.	B. Spencer	10/8/19	0734	21.5	755.2	8.77	8.78	99.4	—	1.0623	P / F	L / F
ICV		10/8/19	0737	21.5	755.2	8.77	8.77	99.4	—	—	P / F	L / F
CCV		10/8/19	1643	22.4	754.0	8.62	8.70	100.2	—	—	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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	B. Spencer	10/8/19	0740	190618F	06/2020	1000	1000	P / F	L / F
ICV		10/8/19	0744	190618F	06/2020	1000	1000	P / F	L / F
CCV		10/8/19	1647	2909C81	08/2021	100	102.1	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.	B. Spencer	10/8/19	0749	190618B	12/2020	7.01	22.1	7.00	-45.3	P / F	L / F
Calibr.		10/8/19	0758	190618A	12/2020	4.00	22.3	4.00	127.3	P / F	L / F
Calibr.		10/8/19	0801	190618C	12/2020	10.03	22.4	10.03	-215.1	P / F	L / F
ICV		10/8/19	0804	190618C	12/2020	10.03	22.4	10.02	-215.1	P / F	L / F
CCV		10/8/19	1549	190618A	12/2020	4.00	22.9	4.13	120.0	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	10/8/19	0806	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:

Cooler Packing Worksheet for Request: RQ-2019-09-30-58

Streams AGP

Ship Cooler On: 9/26/2019

Customer/Project: WQAP/SPPROJECTS

Assigned To: SHAIK_A

Requester: Julie K. Espy

Priority: 3

850-245-8416
2600 Blair Stone Rd
MS #3560
Tallahassee, FL 32399-2400
Attn: Julie Espy

Comments:

No preservatives needed.

Requested Analyses:

Bottle Group: A

of Sites: 9

Container ID: OP-500ML

Qty: 18 Preservation: ICE

Lot # B10Wagkef

Description: Opaque Plastic Bottle 500mL -
Biology AGP Analysis

Analysis

AA-AGP

Description

Potential algal growth determination.

Container ID: BP-1L

Qty: 18 Preservation: ICE

Lot # B10Wagkef

Description: Brown Plastic Bottle 1L

Analysis

AA-LIM-NUT

Description

Nutrient(s) limiting algal growth determination.

Container ID: BP-1L

Qty: 9 Preservation: ICE

Lot # 1259860

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 9 Preservation: ICE And H2SO4

Lot # 00075526

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

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

Container ID: P-125ML

Qty: 9 Preservation: FILTER-ICE

Lot # 00075427

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: ARJ

Number of Coolers: 4

Date: _____

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-2019-09-30-58