



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

Data Qualified?

Yes / No

January 2019

WIN Station Name: Saul Creek @ MouthDate: 5-2-19

(mm/dd/yyyy)

WIN/ Field ID: G2TLHR0014WBID: 1271Latitude: 29.7896

(Decimal Degrees)

County: GulfORG ID: 21FLTLHRLongitude: 85.0505

(Decimal Degrees)

Receiving Body of Water: Inter-coastal/Apalachicola RiverRQ- 2019-04-29-78

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Paul Blair						✓	✓	✓	✓	✓
Jan Woods							✓		✓	✓

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Depth Measured with		
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>153484</u>		Matrix: <u>Fresh</u> / Marine / DI				
Photos: Yes / <u>No</u>		Flow: No Flow / Intertidal / <u>Flowing</u> / NA		Tide: Rising/ Falling/ Slack/ <u>NA</u>		Tide Times: High Low				
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	12:50	9.5	0.3	1.5	5.42	64.1	6.71	0.06	120.1	23.8
CEN	12:55		9.0		5.25	62.1	6.69	0.06	120.0	23.7

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	☒ H2SO4	8344070	12-10-19	☒ <2	
Metals	☐ W-ICPMS ☐ W-ICP				☐ Ice	☐ HNO3			☐ <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-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									
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									
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C				☐ Ice					

Notes:

Field/WIN ID →

Location ↓



G2TLHR0014



SAUL CREEK @ MOUTH

5-2-19

Signature: Paul BlairLIMS EVENT ID: TLH-R06-2019-05-03-01WIN Import ID: 12743Enter Field Parameters, Verify Station ID In LIMS DMT: CG 5-21-19QC Station ID, Field Parameters In LIMS DMT: PB 5-28-19Scan/Save Field Sheets CG 6-13-19Migrate Data to WIN: CG 6-13-19Verify Data In WIN: CG 6-13-19

(Initials/Date)

(Initials/Date)

(Initials/Date)

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: TLH-ROC

Requester: Michael Eckles

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

Location	Field/WIN ID →	Collection (comp begin or grab)	Time	Composite end	Bottle Group(s)
Field ID	Location ↓	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	Total Res. Chlorine	(See pg 2)
WIN/ST	Horseshoe Creek 100m upstream from Intercoastal/Lake Wimico	Temp (C) 25.5	pH 6.76	Sample Depth 0.3	Sp. Conductance (umho/cm) 121
Latitude	Longitude	Salinity (ppt)	Comments		A
Location	Field/WIN ID →	Collection (comp begin or grab)	Time	Composite end	Bottle Group(s)
Field ID	Location ↓	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	Total Res. Chlorine	(See pg 2)
WIN/ST	Double Bayou 800m upstream from Lake Wimico	Temp (C) 24.8	pH 6.42	Sample Depth 0.3	Sp. Conductance (umho/cm) 154.7
Latitude	Longitude	Salinity (ppt)	Comments		A
Location	Field/WIN ID →	Collection (comp begin or grab)	Time	Composite end	Bottle Group(s)
Field ID	Location ↓	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	Total Res. Chlorine	(See pg 2)
WIN/ST	SAUL CREEK @ MOUTH	Temp (C) 23.8	pH 6.71	Sample Depth 0.3	Sp. Conductance (umho/cm) 120.1
Latitude	Longitude	Salinity (ppt)	Comments		A
Location	Field/WIN ID →	Collection (comp begin or grab)	Time	Composite end	Bottle Group(s)
Field ID	Location ↓	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	Total Res. Chlorine	(See pg 2)
WIN/ST	Intercoastal 450m d-stream Pine Log boat Ramp	Temp (C) 24.1	pH 6.93	Sample Depth 0.3	Sp. Conductance (umho/cm) 115.1
Latitude	Longitude	Salinity (ppt)	Comments		D

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Blair	5-2-19 16:49	hand		HK	5-2-19/16:55

Group: A	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	9
	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	3
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ECOLI-18QT						
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	3
	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	3
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	ALKALINITY						
	TURBIDITY						
	W-BR-IC						
	W-F						
	W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	CHLSUITE-W						
Group: B	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	ENT-24-QT						
Group: B	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	FCOLI-MF						

8344070

Group: D	Bottle Type:	P-1L	# of Bottles: 2	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: D	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	CHLSUITE-W						
Group: D	Bottle Type:	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	ECOLI-18QT						
Group: D	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	
	W-ICP				8344050		
	W-ICPMS						
Group: D	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	
	W-NH3				8344070		
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: D	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	
	W-PO4-F						

Group: B	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative:	HNO3	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 _____
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE		Enter Number of Bottles Sent to Lab _____
Group: C	Bottle Type: ALKALINITY TURBIDITY W-BR-IC W-F W-TSS	P-1L	# of Bottles: 1	Preservative: ICE		Enter Number of Bottles Sent to Lab _____
Group: C	Bottle Type: CHLSUTE-W	BP-1L	# of Bottles: 1	Preservative: ICE		Enter Number of Bottles Sent to Lab _____
Group: C	Bottle Type: ENT-24-QT	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE		Enter Number of Bottles Sent to Lab _____
Group: C	Bottle Type: FCOLI-MF	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE		Enter Number of Bottles Sent to Lab _____
Group: C	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 _____
Group: C	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE		Enter Number of Bottles Sent to Lab _____
Group: D	Bottle Type: P-1L	P-1L	# of Bottles: 2	Preservative: ICE		Enter Number of Bottles Sent to Lab _____

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: 153464

RQ: 2019-04-29-75

Project: SMP1905

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 4/2019

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.	Jon Woods	5/2/19	814	20.2	762.6	9.0	9.07	100.1	—	1.04	P / F	L / F
ICV	"	"	830	22.2	760.7	8.7	8.69	99.9	—	—	P / F	L / F
CCV	"	"	1559	24.7	752.7	8.31	8.40	101.1	—	—	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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Jon Woods	5/2/19	816	80621C	7/2019	1000	1000	P / F	L / F
ICV	"	"	826	2808684	7/2020	100	104	P / F	L / F
CCV	"	"	1601	140621B	7/2019	50.000	50910	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.	Jon Woods	5/2/19	819	140403C	10/2019	7.02	21.0	7.02	-36.3	P / F	L / F
Calibr.	"	"	822	18021D	7/2019	4.00	21.2	4.00	139.6	P / F	L / F
Calibr.	"	"	825	140621F	1/2020	10.04	21.2	10.04	-204.1	P / F	L / F
ICV	"	"	827	"	"	10.0	21.2	10.01	-203.8	P / F	L / F
CCV	"	"	1602	140621D	7/2019	4.00	21.2	4.06	135.4	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 10 167.4, slope from 4 to 7 175.9 (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: 4/2019

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	Jon Woods	5/21/19	826	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:

