



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

Data Qualified?

Yes / No

January 2018

WIN Station Name: Aucilla RiverDate: 10/04/2018
(mm/dd/yyyy)WIN/ Field ID: G1TLHR0019WBID: 3310Latitude: 30.27991

(Decimal Degrees)

County: JeffersonORG ID: 21FLTLHRLongitude: 83.84214

(Decimal Degrees)

Receiving Body of Water: Gulf of MexicoRQ-2018- 09-10-63

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Harden								
Jon Woods								

Sampling Equipment			
☒ Sample Container	☐ Van Dorn	☐ Pole	
☐ Carboy	☐ Syringe		
☐ Dipper	☐ Other		
Depth Measured with <u>YSI</u>			
Equipment ID <u>153484</u>			

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: <u>Yes</u> / No				Flow: No Flow / Intestinal / <u>Flowing</u> / NA				Tide: Rising/ Falling/ Slack/ NA				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°)					
<u>EST</u>	<u>1212</u>	<u>0.5</u>	<u>0.25</u>	<u>0.55</u>	<u>4.15</u>	<u>49.8</u>	<u>7.18</u>	<u>0.08</u>	<u>170.6</u>	<u>24.5</u>					
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-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4	<u>SA8101020</u>	<u>04/11/19</u>	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	<u>NA819708</u>	<u>07/16/19</u>	☒ <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-S04-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-UHERB-AA ☐ W-AHERB-AA ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Notes:		Place Label Here
Kit: C-b		

Signature:	Date:
<u>[Signature]</u>	<u>10/4/2018</u>

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: TLH-ROC

Requester: Michael Eckles

Field Report Prepared By: Ben Harden

Project ID: SMP

Collected By: Sen Weeks

Sampling Agency: 8034

Location		Aucilla River		Collection (comp begin or grab)		Date		Time		Composite end		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc)		Date		Time		Date		(See pg 2)	
WIN/STORET #		G1TLHRO019		Fresh		10/4/18		12:15		4.15		BA	
Latitude		dd dms		Temp (C)		24.5		pH		7.18		AD	
		dd dms		Salinity (ppt)		0.08				ft			
Location				Collection (comp begin or grab)		Date		Time		Composite end		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc)		Date		Time		Date			
WIN/STORET #				Temp (C)				Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		dd dms		Salinity (ppt)				Sample Depth		ft		Sp. Conductance (umho/cm)	
Location				Collection (comp begin or grab)		Date		Time		Composite end		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc)		Date		Time		Date			
WIN/STORET #				Temp (C)				Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		dd dms		Salinity (ppt)				Sample Depth		ft		Sp. Conductance (umho/cm)	
Location				Collection (comp begin or grab)		Date		Time		Composite end		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc)		Date		Time		Date			
WIN/STORET #				Temp (C)				Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		dd dms		Salinity (ppt)				Sample Depth		ft		Sp. Conductance (umho/cm)	
Location				Collection (comp begin or grab)		Date		Time		Composite end		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc)		Date		Time		Date			
WIN/STORET #				Temp (C)				Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		dd dms		Salinity (ppt)				Sample Depth		ft		Sp. Conductance (umho/cm)	
Location				Collection (comp begin or grab)		Date		Time		Composite end		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc)		Date		Time		Date			
WIN/STORET #				Temp (C)				Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		dd dms		Salinity (ppt)				Sample Depth		ft		Sp. Conductance (umho/cm)	

Relinquished By: JW	Date/Time: 10/4/18 13:20	Shipping Method: HD	Number of Coolers Shipped: 1	Received By: Jd	Date/Time: 10/4/18 13:20
---------------------	--------------------------	---------------------	------------------------------	-----------------	--------------------------

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

Group: B	Bottle Type: PCR-FILTER	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 1	Preservative:	ICE	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-F W-TSS	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: C	Bottle Type: CHLSUITE-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: PCR-FILTER	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: C	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# 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	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab

Group: C	Bottle Type: 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: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: D	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: D	Bottle Type: ECOL-18QT	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: D	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab
Group: D	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: D	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
Group: E	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR	P-1L	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab

Group: E	Bottle Type: W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: E	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: E	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 5	Preservative: HNO3	Enter Number of Bottles Sent to Lab
Group: E	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 5	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
Group: E	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 5	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
Group: F	Bottle Type: ENT-24-QT	P-250ML-WO-THI	# 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: 153484

RQ:

Project: 22 GT 1610

- 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 9/10/16

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.	Ben Harden	10/4/18	745	20.2	759.5	9.06	9.05	100		1.0331	P/F	L/F
ICV	"	"	746	20.2	759.6	9.06	9.05	100.1			P/F	L/F
CCV	"	"	1226	25.2	764.0	8.29	8.36	101.8			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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Harden	10/4/18	0749	180621C	07/19	1000	1000	P/F	L/F
ICV	"	"	0751	1805F81	05/20	100	101.0	P/F	L/F
CCV	"	"	1227	180326B	04/19	1000	999	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.	Ben Harden	10/4/18	0754	180621E	01/20	7.01	22.0	7.01	-8.8	P/F	L/F
Calibr.	"	"	0756	180510B	05/19	4.01	21.4	4.00	165.0	P/F	L/F
Calibr.	"	"	0759	180403D	10/19	10.04	21.5	10.05	-170.2	P/F	L/F
ICV	"	"	0800	"	"	10.04	21.9	10.07	-171.9	P/F	L/F
CCV	"	"	1229	180326C	04/19	4.01	22.6	4.00	166.1	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 10 163.1, slope from 4 to 7 173.8 (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: 9/10/18

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	Ben Harden	10/4/18	0748	0.272	0.272	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:

