



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Aucilla River

Date: 6/26/2018
(mm/dd/yyyy)

WIN/ Field ID: G1TLHR0019

WBID: 3310

Latitude: 30.27991

County: Jefferson

ORG ID: 21FTLHR

Longitude: 83.84214
(Decimal Degrees)

Receiving Body of Water: Gulf of Mexico

RQ-2018- 06.11-55
(Decimal Degrees)

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
<u>Jon Woods</u> <u>Chris Green</u>				☒	☒	☒	☒	☒	☒ 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: <u>Dry</u> / Pooled / Low / Normal / <u>High</u> / Flooded				Meter ID# <u>Pco 055 153484</u>				Matrix: Fresh / <u>Marine</u> / DI				
Photos: Yes / <u>No</u>				Flow: No Flow / Intestinal / <u>Pwowing</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°)		
<u>EST</u>	<u>1315</u> <u>1315</u>	<u>0.5</u>	<u>0.25</u>	<u>0.4</u>	<u>4.66</u>	<u>61.1</u>	<u>7.06</u>	<u>0.02</u>	<u>52</u>	<u>27.1</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>6101020</u>	<u>4/11/19</u>	☒ <2			
Metals	☒ W-3CPMS ☒ W-1CP				☒ Ice	☒ HNO3	<u>6099110</u>	<u>4/9/19</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-CH-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-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA				☐ Ice							
Pesticides	☐ W-PSNP-TQ ☐ W-UHERB-AA ☐ W-AHERB-AA ☐ W-CARB-AA				☐ Ice							
	☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R				☐ Other							

Notes:

Kit: C-b
Group: D

Signature: [Signature]

Field/WIN ID →

Location ↓



G1TLHR0019



AUCILLA RIVER

Date: 6/26/18

Enter Field Parameters, Verify Station ID in LIMS DMT: [Signature] 6/29/18

QC Station ID, Field Parameters in LIMS DMT: _____

Scan/Save Field Sheets _____

Migrate Data to WIN: _____

Verify Data in WIN: _____

(Initials/Date)

(Initials/Date)

(Initials/Date)

(Initials/Date)

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: TLH-ROC

Project ID: SMP

Requester: Michael Eckles

Collected By: Woods/Green

Field Report Prepared By: Woods

Sampling Agency: 8034

Location		Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Location ↓		Date 6/26/18 Time 1315		Date		(See pg 2)	
WIN/STOI		G1TLHR0019		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude		AUCILLA RIVER		Temp (C) 22.1		ft		A	
Longitude		0.02		pH 7.06		m		52	
Salinity (ppt)		0.02		Diss. Oxygen 4.86		Sp. Conductance (umho/cm)			
dd		dms		Comments					
dd		dms							
Location		Collection (comp begin or grab)		Composite end		Bottle Group(s)			
Field ID		Date		Date		Date			
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine					
Latitude		Temp (C)		ft		m			
Longitude		pH		Diss. Oxygen		Sp. Conductance (umho/cm)			
dd		dms		Sample Depth					
dd		dms		Comments					
Location		Collection (comp begin or grab)		Composite end		Bottle Group(s)			
Field ID		Date		Date		Date			
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine					
Latitude		Temp (C)		ft		m			
Longitude		pH		Diss. Oxygen		Sp. Conductance (umho/cm)			
dd		dms		Sample Depth					
dd		dms		Comments					
Location		Collection (comp begin or grab)		Composite end		Bottle Group(s)			
Field ID		Date		Date		Date			
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine					
Latitude		Temp (C)		ft		m			
Longitude		pH		Diss. Oxygen		Sp. Conductance (umho/cm)			
dd		dms		Sample Depth					
dd		dms		Comments					
Location		Collection (comp begin or grab)		Composite end		Bottle Group(s)			
Field ID		Date		Date		Date			
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine					
Latitude		Temp (C)		ft		m			
Longitude		pH		Diss. Oxygen		Sp. Conductance (umho/cm)			
dd		dms		Sample Depth					
dd		dms		Comments					
Location		Collection (comp begin or grab)		Composite end		Bottle Group(s)			
Field ID		Date		Date		Date			
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine					
Latitude		Temp (C)		ft		m			
Longitude		pH		Diss. Oxygen		Sp. Conductance (umho/cm)			
dd		dms		Sample Depth					
dd		dms		Comments					

Relinquished By: <u>SW</u>	Date/Time: <u>6/26/18 1425</u>	Shipping Method: <u>HD</u>	Number of Coolers Shipped: <u>1</u>	Received By: <u>[Signature]</u>	Date/Time: <u>6/26/18 1417</u>
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Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	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	1
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ECOLI-18QT						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP						
	W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
	W-PO4-F						

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 page.

Meter ID: PCO DSS 153459 RQ-

Project:

- 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 4/2016

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.	<u>Jon Woods</u>	<u>6/26/16</u>	<u>806</u>	<u>23.0</u>	<u>8.58</u>	<u>8.56</u>	<u>100</u>	<u>-</u>	<u>1.04</u>	<u>P/F</u>	<u>L/F</u>
ICV	<u>11</u>	<u>11</u>	<u>816</u>	<u>23.7</u>	<u>8.47</u>	<u>8.41</u>	<u>99</u>	<u>-</u>	<u>-</u>	<u>P/F</u>	<u>L/F</u>
CCV	<u>11</u>	<u>11</u>	<u>1430</u>	<u>27.0</u>	<u>7.97</u>	<u>8.09</u>	<u>101</u>	<u>-</u>	<u>-</u>	<u>P/F</u>	<u>L/F</u>
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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	<u>Jon Woods</u>	<u>6/26/16</u>	<u>807</u>	<u>80403A</u>	<u>4/2019</u>	<u>1000</u>	<u>1000</u>	<u>P/F</u>	<u>L/F</u>
ICV	<u>11</u>	<u>11</u>	<u>814</u>	<u>2802833</u>	<u>1/2020</u>	<u>100</u>	<u>100</u>	<u>P/F</u>	<u>L/F</u>
CCV	<u>11</u>	<u>11</u>	<u>1432</u>	<u>1802218</u>	<u>3/2019</u>	<u>10.000</u>	<u>10026</u>	<u>P/F</u>	<u>L/F</u>
CCV	<u>11</u>	<u>11</u>	<u>1433</u>	<u>2802833</u>	<u>1/2020</u>	<u>1.00</u>	<u>102</u>	<u>P/F</u>	<u>L/F</u>

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.	<u>Jon Woods</u>	<u>6/26/16</u>	<u>809</u>	<u>171121A</u>	<u>6/2019</u>	<u>7.0</u>	<u>7.0</u>	<u>-17.0</u>	<u>P/F</u>	<u>L/F</u>
Calibr.	<u>11</u>	<u>11</u>	<u>810</u>	<u>180116D</u>	<u>01/2019</u>	<u>4.0</u>	<u>4.0</u>	<u>146.2</u>	<u>P/F</u>	<u>L/F</u>
Calibr.	<u>11</u>	<u>11</u>	<u>812</u>	<u>180221E</u>	<u>09/2019</u>	<u>10.0</u>	<u>10.0</u>	<u>-160.9</u>	<u>P/F</u>	<u>L/F</u>
ICV	<u>11</u>	<u>11</u>	<u>813</u>	<u>11</u>	<u>11</u>	<u>10.0</u>	<u>10.0</u>	<u>-161</u>	<u>P/F</u>	<u>L/F</u>
CCV	<u>11</u>	<u>11</u>		<u>171121A</u>	<u>6/2019</u>	<u>7.0</u>	<u>7.0</u>	<u>-19.8</u>	<u>P/F</u>	<u>L/F</u>
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 10 163.9, slope from 4 to 7 173.2 (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 4/18

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	<u>Jon Woods</u>	<u>6/26/16</u>	<u>815</u>	<u>0.00</u>	<u>0.00</u>	<u>P/F</u>	<u>L/F</u>

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

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: RQ- Project:

- 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.										P / F	L / F
ICV										P / F	L / F
CCV										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.								P / F	L / F
ICV								P / F	L / F
CCV								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.						7.0			P / F	L / F
Calibr.						4.0			P / F	L / F
Calibr.						10.0			P / F	L / F
ICV									P / F	L / F
CCV									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: