



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Apalachicola Bay 1200m south of US98 Bridge

Date: 11/26/2016
(mm/dd/yyyy)

WIN/ Field ID: G2TLHR0035

WBID: 1274

Latitude: 29.71057

(Decimal Degrees)

County: Franklin

ORG ID: 21FLTLHR

Longitude: -84.97837

(Decimal Degrees)

Receiving Body of Water: NA

RQ-2018- 10-29-75

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

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 / Normal / High / Flooded
Photos: Yes / No / Flow: No Flow / Intestinal / Flowing / NA
Meter ID# 153484 Matrix: Fresh / Marine / DI
Tide: Rising/ Falling/ Stagnant / NA Tide Times: High Low

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTH)	Sp COND (µmhos/cm)	Temp. (C°)
EST	1315	2 1.4	0.3	1.3	8.31	40.4	7.91	0.06	122	13.8
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#:

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	6674050		☒ <2
Metals	☒ W-ICPMS ☐ W-ICP	☒ Ice ☒ HNO3	8197060		☐ <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-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 Coll ☒ 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: D-b

Field/WIN ID → G2TLHR0035

Location ↓ Apalachicola Bay 1200m south of US98 Bridge

Signature: Date: 11/26/16

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: TLH-ROC

Project ID: SMP

Requester: Michael Eckles

Collected By: Woods/HardenField Report Prepared By: WoodsSampling Agency: 8034

Location		Field/WIN ID →		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID		Date 11/28/18		Time 1230		mg/L		Total Res. Chlorine		(See pg 2)	
WIN/STO		Location ↓		Diss. Oxygen		9.75		mg/L		A	
Latitude		Apalachicola Bay near St. George Island		Sample Depth		0.3		ft		11515	
		Temp (C)		pH		7.54		ft			
		Salinity (ppt)		Comments		0.3		ft			
		dd dms									
Location		Field/WIN ID →		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID		Date 11/28/18		Time 1315		mg/L		Total Res. Chlorine		A	
WIN/STO		Location ↓		Diss. Oxygen		8.3		mg/L			
Latitude		Apalachicola Bay 1200m south of US98 Bridge		Sample Depth		0.3		ft		122	
		Temp (C)		pH		7.91		ft			
		Salinity (ppt)		Comments		0.3		ft			
		dd dms									
Location		Field/WIN ID →		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID		Date		Time		mg/L		Total Res. Chlorine			
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine			
Latitude		Temp (C)		pH		ft		Sp. Conductance			
		Salinity (ppt)		Comments		m		(umho/cm)			
		dd dms									
Location		Field/WIN ID →		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID		Date		Time		mg/L		Total Res. Chlorine			
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine			
Latitude		Temp (C)		pH		ft		Sp. Conductance			
		Salinity (ppt)		Comments		m		(umho/cm)			
		dd dms									
Location		Field/WIN ID →		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID		Date		Time		mg/L		Total Res. Chlorine			
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine			
Latitude		Temp (C)		pH		ft		Sp. Conductance			
		Salinity (ppt)		Comments		m		(umho/cm)			
		dd dms									
Location		Field/WIN ID →		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID		Date		Time		mg/L		Total Res. Chlorine			
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine			
Latitude		Temp (C)		pH		ft		Sp. Conductance			
		Salinity (ppt)		Comments		m		(umho/cm)			
		dd dms									

Relinquished By: <u>SW</u>	Date/Time: <u>11/28/18 1545</u>	Shipping Method: <u>HO</u>	Number of Coolers Shipped: <u>1</u>	Received By: <u>SR</u>	Date/Time: <u>11/28/18 1345</u>
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Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY						
	TURBIDITY						
	W-F						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ENT-24-QT						
Group: A	Bottle Type:	P-120ML-OC	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	FCOLI-MF						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	2
	W-ICP						
	W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	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: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	2
	W-PO4-F						

8274056

8197040

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-

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.

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.	Ben Harden	11/24/18	0754	19.7	761.1	9.15	9.15	100.2		1.037	P/F	D/F
ICV	"	"	0810	18.6	761.3	9.35	9.30	99.5			P/F	D/F
CCV	"	"	1552	18.3	760.1	9.41	9.45	100.4			P/F	D/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.	Ben Harden	11/24/18	0756	180621C	07/19	1000	1000	P/F	D/F
ICV	"	"	0758	180621C	05/20	100	101.1	P/F	D/F
CCV	"	"	1554	180621B	07/19	50000	51163	P/F	D/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	11/24/18	0800	180621E	01/20	7.03	18.7	7.03	-17.1	P/F	D/F
Calibr.	"	"	0802	180621D	07/19	4.00	18.2	4.00	157.3	P/F	D/F
Calibr.	"	"	0805	180403D	10/19	10.09	17.6	10.09	-175.1	P/F	D/F
ICV	"	"	0807	"	"	10.09	17.8	10.06	-173.2	P/F	D/F
CCV	"	"	1556	180621D	07/19	4.00	19.3	4.14	158.0	P/F	D/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 10 158.0, slope from 4 to 7 174.4 (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	Ben Harden	11/24/18	0753	0.000	0.000	P/F	D/F

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 are qualified data on this page.

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.

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.											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.

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.								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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.						7.				P / F	L / F
Calibr.						4.				P / F	L / F
Calibr.						10.				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)

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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: