



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

Apalachicola Bay 1200m south of US98 Bridge

WIN Station Name:

Date: 11/29/2018
(mm/dd/yyyy)

WIN ID/ Field ID G2TLHR0035

WBID:

Latitude: 29.710569

County: Franklin

ORG ID: 21FLTLHR

Longitude: 84.978347
(Decimal Degrees)

Receiving Body of Water: Gulf of Mexico

RQ - 10-22-23
(Decimal Degrees)

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Duplicate Collection	Blank Collection
J. Butcher								
J. 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/ Normal/ High/ Flooded

Meter ID# 154177

Matrix: Fresh / Marine / DI

Photos: Yes No

Flow: No Flow / Intertidal / Flowing / NA

Tide: Rising / Falling / Slack / NA

Tide Times: High Low

Field Sample

(Bracket Sample Time)

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	1130	3.0	0.3	0.9	7.51	76.8	7.76	0.06	123	16.5
CEN	1133		2.5		7.45	76.2	7.53	0.06	125	16.4

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	SA8247050	10/1/19	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☒ Ice ☐ HNO3	NA8247050	7/16/19	☒ <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-AHERB-AA ☐ W-PYR-AA-R ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

QA/QC Sample Information Duplicate

Time Zone: <u>EST</u> CEN		Time: <u>1:35</u>		Field ID: <u>G2TLHR0035DUP</u>	
(WIN ID + DUP)					
Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-TOC / ☒ W-S-A-TP	☒ Ice ☒ H ₂ SO ₄	<u>SA8247080</u>	<u>10/1/19</u>	☒ < 2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO ₃	<u>NA8197080</u>	<u>7/16/19</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-CHC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Marine)	☒ Alkalinity / W-F / W-TSS / TURBIDITY	☒ 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-AHERB-AA ☐ W-PYR-AA-R ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Blank

Time Zone: <u>EST</u> CEN		Time: _____		Field ID: <u>Blank - 20112018</u>	
(BLANK_ODMMYYYY)					
DI Source: in place ID tube from lab					
Location: <u>C-Building</u>					
☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank					
Equipment ID: <u>N/A</u>					
Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-TOC / ☒ W-S-A-TP	☒ Ice ☒ H ₂ SO ₄	<u>SA8247080</u>	<u>10/1/19</u>	☒ < 2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO ₃	<u>NA8197080</u>	<u>7/16/19</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-CHC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Marine)	☒ Alkalinity / W-F / W-TSS / TURBIDITY	☐ 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-AHERB-AA ☐ W-PYR-AA-R ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Other			

Notes:

Signature: [Signature]

Date: 11/20/18

Place Label Here

Enter Field Parameters, Verify Station ID In LIMS DMT: _____ QC Station ID, Field Parameters In LIMS DMT: _____

(Initials/Date)

Scan/Save Field Sheets _____ Migrate Data to WIN: _____ Verify Data In WIN: _____

(Initials/Date) (Initials/Date) (Initials/Date)

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: 154177

RQ-

Project: SMP2018

- 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 10/18

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.	J. Burtchett	11/20/18	752	19.8	760.0	9.13	9.14	100.0	-	0.99	P/F	P/F
ICV	✓	✓	802	18.5	760.2	9.37	9.32	99.4	-	-	P/F	P/F
CCV	✓	✓	1500	26.0	758.7	8.11	8.08	99.6	-	-	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.	J. Burtchett	11/20/18	754	180621C	07/19	1000	1000	P/F	P/F
ICV	✓	✓	804	1805F81	05/20	100	101	P/F	P/F
CCV	✓	✓	1502	180621B	07/19	50000	51421	P/F	P/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.	J. Burtchett	11/20/18	756	180621E	01/20	7.02	18.9	7.03	-33.9	P/F	P/F
Calibr.	✓	✓	758	180621D	07/19	4.00	17.8	4.00	146.3	P/F	P/F
Calibr.	✓	✓	800	180403D	10/19	10.54	18.6	10.05	-148.8	P/F	P/F
ICV	✓	✓	806	180403D	01/19	10.08	19.4	10.61	-190.8	P/F	P/F
CCV	✓	✓	1504	180621D	07/19	4.01	19.6	3.92	147.7	P/F	P/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: 7/18

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	J. Burtchett	11/20/18	750	0.00	0.00	P/F	P/F

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

COMMENTS:

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: TLH-ROC

Requester: Chris Green

Field Report Prepared By: J. Burkhardt

Project ID: SMP

Collected By: J. Woods, J. Burkhardt

Sampling Agency: S034

Location		Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		→		Date 11/20/18		Date 11/20/18		(See pg 2)	
WIN/STO		Location ↓		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Latitude		Apalachicola Bay near St. George Island		Temp (C) 16.7		pH 7.82		Sample Depth 0.3	
Longitude		Apalachicola Bay 1200m south of US98 Bridge		Salinity (ppt) 0.06		Comments		Sp. Conductance (umho/cm) 17057	
Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)			
Field ID		→		Date 11/20/18		Date 11/20/18			
WIN/STO		Location ↓		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Latitude		Apalachicola Bay 1200m south of US98 Bridge		Temp (C) 16.5		pH 7.76		Sample Depth 0.3	
Longitude		Apalachicola Bay 1200m south of US98 Bridge		Salinity (ppt) 0.06		Comments		Sp. Conductance (umho/cm) 123	
Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)			
Field ID		→		Date 11/20/18		Date 11/20/18			
WIN/STO		Location ↓		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Latitude		Apalachicola Bay 1200m south of US98 Bridge		Temp (C) 16.5		pH 7.76		Sample Depth 0.3	
Longitude		Apalachicola Bay 1200m south of US98 Bridge		Salinity (ppt) 0.06		Comments		Sp. Conductance (umho/cm) 123	
Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)			
Field ID		→		Date 11/20/18		Date 11/20/18			
WIN/STO		Location ↓		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Latitude		Apalachicola Bay 1200m south of US98 Bridge		Temp (C) 16.5		pH 7.76		Sample Depth 0.3	
Longitude		Apalachicola Bay 1200m south of US98 Bridge		Salinity (ppt) 0.06		Comments		Sp. Conductance (umho/cm) 123	
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Field ID		→		Date 11/20/18		Date 11/20/18			
WIN/STO		Location ↓		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Latitude		Apalachicola Bay 1200m south of US98 Bridge		Temp (C) 16.5		pH 7.76		Sample Depth 0.3	
Longitude		Apalachicola Bay 1200m south of US98 Bridge		Salinity (ppt) 0.06		Comments		Sp. Conductance (umho/cm) 123	
Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)			
Field ID		→		Date 11/20/18		Date 11/20/18			
WIN/STO		Location ↓		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Latitude		Apalachicola Bay 1200m south of US98 Bridge		Temp (C) 16.5		pH 7.76		Sample Depth 0.3	
Longitude		Apalachicola Bay 1200m south of US98 Bridge		Salinity (ppt) 0.06		Comments		Sp. Conductance (umho/cm) 123	
Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)			
Field ID		→		Date 11/20/18		Date 11/20/18			
WIN/STO		Location ↓		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Latitude		Apalachicola Bay 1200m south of US98 Bridge		Temp (C) 16.5		pH 7.76		Sample Depth 0.3	
Longitude		Apalachicola Bay 1200m south of US98 Bridge		Salinity (ppt) 0.06		Comments		Sp. Conductance (umho/cm) 123	
Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)			
Field ID		→		Date 11/20/18		Date 11/20/18			
WIN/STO		Location ↓		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Latitude		Apalachicola Bay 1200m south of US98 Bridge		Temp (C) 16.5		pH 7.76		Sample Depth 0.3	
Longitude		Apalachicola Bay 1200m south of US98 Bridge		Salinity (ppt) 0.06		Comments		Sp. Conductance (umho/cm) 123	
Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)			
Field ID		→		Date 11/20/18		Date 11/20/18			
WIN/STO		Location ↓		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Latitude		Apalachicola Bay 1200m south of US98 Bridge		Temp (C) 16.5		pH 7.76		Sample Depth 0.3	
Longitude		Apalachicola Bay 1200m south of US98 Bridge		Salinity (ppt) 0.06		Comments		Sp. Conductance (umho/cm) 123	

Relinquished By: JB, JW	Date/Time: 11/20/18 14:13	Shipping Method: HD	Number of Coolers Shipped: 1	Received By: KH	Date/Time: 11/20/18 14:50
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Group: A	Bottle Type: ALKALINITY TURBIDITY W-F W-TSS	P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
Group: A	Bottle Type: ENT-24-QT	P-250ML-WO-THI	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
Group: A	Bottle Type: FCOLI-MF	P-120ML-OC	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
Group: A	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 3	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	3
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	3
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 3	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	3
Group: B	Bottle Type: ALKALINITY TURBIDITY W-F W-TSS	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
Group: B	Bottle Type: BOD-UNIN	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
Group: B	Bottle Type: W-NH3 W-NO2NO3	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	

Group: B	Bottle Type: 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