



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?
Yes / No

WIN Station Name: East Bay (Apalachicola)

Date: 06/04/2019
(mm/dd/yyyy)

WIN/ Field ID: G2TLHR0027

WBID: 1274A

Latitude: 29.7339

County: Franklin

ORG ID: 21FTLHR

Longitude: -84.9314

Receiving Body of Water: Gulf of Mexico

RQ- 2019-05-27-44
(Decimal Degrees)

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Hodges Paul Blair						✓	✓	✓	✓	✓

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# 153469 Matrix: Fresh / Marine / DI

Photos: Yes / No Flow: No Flow / Intestinal / Flowing / 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°)
EST	1110	2.0	0.3	0.75	8.80	119.5	8.49	4.26	7774	30.2
CEN	1113		1.5		8.24	111.9	8.31	537	9638	29.6

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	SA 901003D	04/10/20	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3	NA 901903D	04/09/20	☐ <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-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 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C				

Notes:

Field/WIN ID →
Location ↓

Signature:
Date: 06/04/19

LIMS EVENT ID: _____

WIN Import ID: _____

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: _____

(Initials/Date)

(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: 153484

RQ: 2019-05-27-44

Project: 2019 SNP

- 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 04/19

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	06/04/19	0757	20.3	757.0	9.0	9.00	99.7		10522	P / F	L / F
ICV	"	"	0758	20.4	757.1	9.0	9.01	99.8			P / F	L / F
CCV	"	"	1443	20.0	756.4	9.0	8.94				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.	Ben Harden	06/04/19	0800	190621C	07/19	1000	1001	P / F	L / F
ICV	"	"	0801	290884	07/20	100	100.7	P / F	L / F
CCV	"	"	1444	190621B	07/19	50000	5148	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	06/04/19	0805	190621E	01/20	7.02	19.4	7.02	39.3	P / F	L / F
Calibr.	"	"	0805	190405B	10/20	4.00	18.9	4.00	141.9	P / F	L / F
Calibr.	"	"	0808	190621F	01/20	10.08	18.3	10.08	-199.8	P / F	L / F
ICV	"	"	0809	"	"	10.08	18.1	10.08	-200.0	P / F	L / F
CCV	"	"	1447	190405B	10/20	4.00	19.4	4.03	140.8	P / F	L / F
CCV										P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50; mV pH 4 Range $\pm 180 \pm 50$; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 160.5, slope from 4 to 7 181.2 (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: 04/19

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	06/04/19	0752	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:

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: TLH-ROC

Project ID: SMP

Requester: Michael Eckles

Field Report Prepared By: Blair/Harden

Collected By: Blair/Harden

Sampling Agency: 8034



Field/WIN ID →

G2TLHR0027

Location →

EAST BAY
Latitude Longitude
dd dms

Latitude



Field/WIN ID →

G2TLHR0026

Location →



APALACHICOLA BAY CENTER

Latitude

Longitude
dd dms

Location Apalachicola Bay Center

Field ID G2TLHR0026 - DUP

WIN/STORET # G2TLHR0026

Latitude

Longitude
dd dms

Location

Field ID FB-060420H

WIN/STORET #

Latitude

Longitude
dd dms

Relinquished By: Blair/Harden

Date/Time 06/01/2019

Shipping Method

Hand Delivered

Number of Coolers Shipped: 1

Received By:

Date/Time 06/01/2019

1457

Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Location →		Date/Time		Date		(See pg 2)	
G2TLHR0027		06/01/2019 1110		06/01/2019 1110		C	
EAST BAY		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Latitude		Temp (C)		pH		Sample Depth	
Longitude		Salinity (ppt)		Sp. Conductance (umho/cm)		7774	
dd dms		dd dms		ft m			
Comments		SALT		0.3			
Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Location →		Date/Time		Date		(See pg 2)	
G2TLHR0026		06/01/2019 1150		06/01/2019 1150		B	
APALACHICOLA BAY CENTER		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Latitude		Temp (C)		pH		Sample Depth	
Longitude		Salinity (ppt)		Sp. Conductance (umho/cm)		7033	
dd dms		dd dms		ft m			
Comments		SALT		0.3			
Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Location →		Date/Time		Date		(See pg 2)	
G2TLHR0026 - DUP		06/01/2019 1155		06/01/2019 1155		B	
WIN/STORET # G2TLHR0026		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Latitude		Temp (C)		pH		Sample Depth	
Longitude		Salinity (ppt)		Sp. Conductance (umho/cm)		7033	
dd dms		dd dms		ft m			
Comments		SALT		0.3			
Field/WIN ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Location →		Date/Time		Date		(See pg 2)	
FB-060420H		06/01/2019 1230		06/01/2019 1230		E	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine	
Latitude		Temp (C)		pH		Sample Depth	
Longitude		Salinity (ppt)		Sp. Conductance (umho/cm)			
dd dms		dd dms		ft m			
Comments		Field Blank					

Group: A	Bottle Type:	P-1L	# of Bottles: 3	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: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ECOLI-18QT					
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	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: 3	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F					
Group: B	Bottle Type:	P-1L	# of Bottles: 2	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: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					
Group: B	Bottle Type:	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ENT-24-QT					
Group: B	Bottle Type:	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	FCOLL-MF					

Group: B	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 2	Preservative: HNO3	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	2
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	1
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: ENT-24-QT	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: FCOLI-MF	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
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	1
Group: C	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	1
Group: D	Bottle Type: W-PO4-F	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1

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-BR-IC W-F W-TSS	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
Group: E	Bottle Type: ENT-24-QT	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
Group: E	Bottle Type: P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____	

Group: E	Bottle Type: P-250ML-WO-THI FCOLI-MF	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	7
Group: E	Bottle Type: P-500ML W-ICP W-ICPMS	# of Bottles: 2	Preservative: HNO3	Enter Number of Bottles Sent to Lab	1
Group: E	Bottle Type: P-500ML W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
Group: E	Bottle Type: P-125ML W-PO4-F	# of Bottles: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	1



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Apalachicola Bay Center

Date: 06/04/2019
(mm/dd/yyyy)

WIN/ Field ID: G2TLHR0026

WBID: 1274

Latitude: 29.6983

(Decimal Degrees)

County: Franklin

ORG ID: 21FTLHR

Longitude: -84.976

(Decimal Degrees)

Receiving Body of Water: Gulf of Mexico

RQ: 2019-05-27-44

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
<u>Berg Harden</u> <u>Paul Blair</u>					☒	☒	☒	☒	☒

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# 15344

Matrix: Fresh Marine / DI

Photos: Yes / No Yes

Flow: No Flow / Intestinal / Flowing / 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°)
EST	1150	3.1	0.3	0.8	6.92 4.88	94.1 72.7	7.83 8.03	3.80 22.62	7033 35705	30.4 29.7
CEN	1153		2.6		4.88	72.7	6.03	22.62	35705	29.7

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	S49610030	01/10/20	<2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	NA9099030	04/01/20	<2
Filtered Nutrients	☒ W-PQ4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice			
Chlorophyll	☒ CHL5UTE-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-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 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			

Notes: 1155 Dup G2TLHR0026 DUP
1230 Field Blank FB 06/04/2019

Field/WIN ID →



G2TLHR0026

Location ↓



APALACHICOLA BAY CENTER

Signature: [Signature]

Date: 06/04/19

LIMS EVENT ID: _____ WIN Import ID: _____

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

Scan/Save Field Sheets _____ (Initials/Date) Migrate Data to WIN: _____ (Initials/Date) Verify Data In WIN: _____ (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: 153484

RQ: 2019-05-27-44

Project: 2019 SNP

- 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 04/19

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	06/04/19	0757	20.3	757.0	9.0	9.00	99.7		10522	P / F	L / F
ICV	"	"	0758	20.4	757.1	9.0	9.01	99.8			P / F	L / F
CCV	"	"	1443	20.0	756.4	9.0	8.94				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	06/04/19	0800	190621C	07/19	1000	1001	P / F	L / F
ICV	"	"	0801	2908884	07/20	100	100.7	P / F	L / F
CCV	"	"	1444	190621B	07/19	50000	5148	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	06/04/19	0803	190621E	01/20	7.02	19.4	7.02	39.3	P / F	L / F
Calibr.	"	"	0805	190405B	10/20	4.00	18.9	4.00	141.9	P / F	L / F
Calibr.	"	"	0808	190621F	01/20	10.08	18.3	10.08	-199.8	P / F	L / F
ICV	"	"	0809	"	"	10.08	18.4	10.08	-200.0	P / F	L / F
CCV	"	"	1447	190405B	10/20	4.00	19.4	4.03	140.8	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 10 160.5, slope from 4 to 7 181.2 (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: 04/19

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	06/04/19	0752	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:

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: TLH-ROC

Project ID: SMP

Requester: Michael Eckles

Field Report Prepared By: Blair/Harden

Collected By: Blair/Harden

Sampling Agency: 8034

Field/WIN ID →			G2TLHR0027		
Location ↓			EAST BAY		
Latitude	☐ dd	☐ dms	Longitude	☐ dd	☐ dms
Field/WIN ID →			G2TLHR0026		
Location ↓			APALACHICOLA BAY CENTER		
Latitude	☐ dd	☐ dms	Longitude	☐ dd	☐ dms
Location	Apalachicola Bay Center				
Field ID	G2TLHR0026 DUP				
WIN/STORET #	G2TLHR0026				
Latitude	☐ dd	☐ dms	Longitude	☐ dd	☐ dms
Location					
Field ID	FB-06042019				
WIN/STORET #					
Latitude	☐ dd	☐ dms	Longitude	☐ dd	☐ dms

Comp	Grab	Collection (comp begin or grab)	Date	Time	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	Total Res. Chlorine	Sp. Conductance	Composite end	Eastern	Central	Bottle Group(s)
☐	☒	Temp	30.2	8.49	pH	8.80	7774	7774		☒	☐	C
☐	☐	Salinity	4.26		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
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☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	☐	
☐	☒	Temp	30.4	7.83	pH	6.92	7033	7033		☒	☐	B
☐	☐	Salinity	3.80		Comments					☐	<	

Group: A	Bottle Type:	P-1L	# of Bottles: 3	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: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	ECOLI-18QT						
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	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: 3	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY						
	TURBIDITY						
	W-BR-IC						
	W-F						
	W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W						
Group: B	Bottle Type:	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ENT-24-QT						
Group: B	Bottle Type:	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	FCOLI-MF						

Group: B	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 2	Preservative: HNO3	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	2
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	1
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: ENT-24-QT	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: FCOLI-MF	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
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	1
Group: C	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	1
Group: D	Bottle Type: P-1L	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	

Group: D	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: D	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					
Group: D	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ECOLL-18QT					
Group: D	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab
	W-ICP					
	W-ICPMS					
Group: D	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: D	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F					
Group: E	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					
	TURBIDITY					
	W-BR-IC					
	W-F					
	W-TSS					
Group: E	Bottle Type:	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ENT-24-QT					
Group: E	Bottle Type:	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab

Group: E	Bottle Type: P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
FCOLI-MF					
Group: E	Bottle Type: P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab
W-ICP					
W-ICPMS					
Group: E	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: E	Bottle Type: P-125ML	# of Bottles: 2	Preservative: FILTER-ICE		Enter Number of Bottles Sent to Lab
W-PO4-F					

