

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: 2019-09-09-32

Project: 2019 SMP

- 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 10/19

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	10/14/2019	0748	20.5	758.3	9.0	8.99	99.9		1.086	☒ F	☒ F
ICV	"	"	0807	19.2	758.4	9.2	9.16	99.8			☒ F	☒ F
CCV	"	"	1539	26.2	756.7	8.0	8.10	100.2			☒ F	☒ 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	10/14/19	0751	190618F	06/20	100	100	☒ F	☒ F
ICV	"	"	0752	290801	06/21	100	101.5	☒ F	☒ F
CCV	"	"	1540	190618F	06/20	1000	992	☒ F	☒ 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	10/14/19	0756	190618B	12/20	7.03	18.6	7.03	-66.2	☒ F	☒ F
Calibr.	"	"	0800	190618A	12/20	4.00	18.7	4.00	109.7	☒ F	☒ F
Calibr.	"	"	0802	190618C	12/20	10.08	18.5	10.08	-228.9	☒ F	☒ F
ICV	"	"	0803	"	"	10.07	19.2	10.10	-250.5	☒ F	☒ F
CCV	"	"	1547	190618A	12/20	4.00	18.9	4.18	97.9	☒ F	☒ 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 10 162.7, slope from 4 to 7 125.9 (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: 10/19

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	10/14/2019	0746	0.000	0.001	☒ F	☒ 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 STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Gulf of Mexico (Econfina River)

Date: 10/14/2019
(mm/dd/yyyy)

WIN/ Field ID: G1TLHR0043

WBID: 8029

Latitude: 30.025054

(Decimal Degrees)

County: Taylor

ORG ID: 21FLTLHR

Longitude: 83.931942

(Decimal Degrees)

Receiving Body of Water: Gulf of Mexico

RQ: 2019-09-09-32

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
<u>Bentley</u> <u>San Woods</u>				☒	☒	☒	☒	☒	☒ Sample Container	☐ Van Dorn	☐ Pole	
									☐ Carboy	☐ Syringe	☐ Other	
									Depth Measured with <u>P.D.S.S.</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: Fresh / <u>Marine</u> / DI				
Photos: Yes ☐ No ☒		Flow: No Flow / Intertidal / Flowing <u>NA</u>		Tide: Rising / Falling / Slack / NA		Tide Times: High <u>1553</u> Low <u>1006</u>						
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>1145</u>	<u>0.3</u>	<u>0.3</u>	<u>1.0</u>	<u>5.85</u>	<u>81.2</u>	<u>7.75</u>	<u>19.98</u>	<u>31995</u>	<u>26.5</u>		
CEN		<u>1.4</u>										
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>SAP129100</u>	<u>05/09/20</u>	☒ <2			
Metals	☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO3				☐ <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-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: Blank @ 1110
FB 10/14/2019

Field/WIN ID →



G1TLHR0043

Location ↓

Gulf of Mexico (Econfina River)

Signature: [Signature]

Date: 10/14/2019

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 26 10/16/19

(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Gulf econfina b3

Date: 10/14/2019
(mm/dd/yyyy)

WIN/ Field ID: G1TLHR0112

WBID: 8029

Latitude: 30.0294

County: Taylor

ORG ID: 21FLTLHR

Longitude: -83.9555

Receiving Body of Water: NA

RQ: 2019-09-09-32

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
<u>Ben Harden</u> <u>San Woods</u>				☒	☒	☒	☒	☒	☒ Sample Container	☐ Van Dorn	☐ Pole	
									☐ Carboy	☐ Syringe	☐ Dipper	☐ Other
Depth Measured with <u>Probes</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: Fresh / <u>Marine</u> / DI				
Photos: Yes / <u>No</u>		Flow: No Flow / Intestinal / Flowing / <u>NA</u>		Tide: Rising / Falling / Slack / <u>NA</u>		Tide Times: High <u>153</u> Low <u>1004</u>						
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)		
<u>EST</u>	<u>1200</u>	<u>1.3</u>	<u>0.3</u>	<u>1.0</u>	<u>6.39</u>	<u>89.0</u>	<u>7.97</u>	<u>21.04</u>	<u>33634</u>	<u>26.2</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			☐ <2				
Metals	☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO3			☐ <2				
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 um Filter				☐ Ice							
Chlorophyll	☐ CHLSUITE-W				☐ Ice							
Physical/Aggregate (Fresh)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-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 ↓					G1TLHR0112							
					GULF ECONFINA B3							
Signature: <u>[Signature]</u>					Date: <u>10/14/2019</u>							

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

CV 10/16/19
(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data In WIN:

(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Gulf econfina b1

Date: 10/14/2019
(mm/dd/yyyy)

WIN/ Field ID: G1TLHR0110

WBID: 8029

Latitude: 30.0244

County: Taylor

ORG ID: 21FLTLHR

Longitude: -83.9185

Receiving Body of Water: NA

RQ: 2019-09-09-32
(Decimal Degrees)

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
<u>Brent Harder</u> <u>Jon Woods</u>									

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☐ Syringe	
☐ Dipper	☐ Other	
Depth Measured with <u>ProDS</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/ Slack/ NA / Tide Times: High 1553 Low 1003

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)
EST	1205	1.4	0.3	1.0	6.14	6.0	7.91	20.85	3336	26.2
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 ☐ H ₂ SO ₄			☐ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ <2
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 um 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 ↓
G1TLHR0110
GULF ECONFINA B1

Signature: [Signature] Date: 10/14/2019

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 10/16/19 Migrate Data to WIN: Verify Data In WIN:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Gulf econfina b4

Date: 10/14/2019
(mm/dd/yyyy)

WIN/ Field ID: G1TLHR0113

WBID: 8029

Latitude: 30.0124

County: Taylor

ORG ID: 21FLTLHR

Longitude: -83.9291

Receiving Body of Water: NA

RQ: 2019-09-09-32

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
<u>Ben Harden</u> <u>San Woods</u>				☒	☒	☒	☒	☒	☒ Sample Container	☐ Van Dorn	☐ Pole	
									☐ Carboy	☐ Syringe		
									☐ Dipper	☐ Other		
									Depth Measured with <u>ProDS</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: Fresh / <u>Marine</u> / DI				
Photos: Yes ☐ No ☒				Flow: No Flow / Intertidal / Flowing / <u>NA</u>				Tide: Rising / Falling / Slack / NA				
				Tide Times: High <u>1553</u> Low <u>1008</u>								
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)		
EST	1215	1.8	0.3	1.1	6.92	96.8	8.12	21.76	34669	26.2		
CEN	1218		1.3		6.87	95.9	8.11	21.87	34828	26.0		
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 ☐ H ₂ SO ₄				☐ <2			
Metals	☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO ₃				☐ <2			
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 um 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				☐ Ice							
	☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD											
Tracers	☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice							
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI				☐ Ice							
	☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CAR8-AA											
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C											

Notes:

Field/WIN ID →
Location ↓



G1TLHR0113



GULF ECONFINA B4

Signature: [Signature]

Date: 10/14/2019

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

26 10-16-19

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Gulf econfina b2

Date: 10/14/2019
(mm/dd/yyyy)

WIN/ Field ID: G1TLHR0111

WBID: 8029

Latitude: 30.0113

County: Taylor

ORG ID: 21FLTLHR

Longitude: -83.8855
(Decimal Degrees)

Receiving Body of Water: NA

RQ: 2019-09-09-32
(Decimal Degrees)

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment		
						☒ Sample Container	☐ Van Dorn	☐ Pole
<u>Ben Harden</u> <u>Jon Woods</u>	☒	☒	☒	☒	☐ Carboy	☐ Syringe		
						☐ Dipper	☐ Other	
Depth Measured with <u>ProDSS</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 / Slack / NA Tide Times: High 1553 Low 1006

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)
EST	1220	1.2	0.3	1.0	6.42	89.8	7.97	21.52	34331	26.3
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 ☐ H ₂ SO ₄			☐ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ <2
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 um Filter	☐ Ice			
Chlorophyll	☐ CHLSUITE-W	☐ Ice			
Physical/Aggregate (Fresh)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-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-CAR8-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C				

Notes:

Field/WIN ID → G1TLHR0111
Location ↓ GULF ECONFINA B2

Signature: [Signature] Date: 10/14/2019

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 10-16-19 (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)

Florida Department of Environmental Protection

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: TLH-ROC

Project ID: SMP

Requester: Michael Eckles

Collected By:

Field Report Prepared By:

Sampling Agency:



Field/WIN ID →

G1TLHR0043

Location ↓

Gulf of Mexico (Econfina River)

altitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Collection (comp begin or grab)	Date	Time	Composite end	Bottle Group(s)
location				☒ Comp ☐ Grab	10/14/2019	1145		
field ID				Matrix (type, e.g., Salt, Fresh, etc)				
				pH	7.75			
				Temp (C)	26.5			
				Salinity (ppt)	19.98			
				Comments				

FB 10/14/2019

altitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Collection (comp begin or grab)	Date	Time	Composite end	Bottle Group(s)
location				☒ Comp ☐ Grab	10/14/2019	1110		
field ID				Matrix (type, e.g., Salt, Fresh, etc)				
				pH				
				Temp (C)				
				Salinity (ppt)				
				Comments				

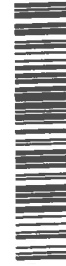


Field/WIN ID →

G1TLHR0112

Location ↓

altitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Collection (comp begin or grab)	Date	Time	Composite end	Bottle Group(s)
location				☒ Comp ☐ Grab	10/14/2019	1200		
field ID				Matrix (type, e.g., Salt, Fresh, etc)				
				pH	7.97			
				Temp (C)	26.2			
				Salinity (ppt)	21.24			
				Comments				



Field/WIN ID →

G1TLHR0110

Location ↓

altitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Collection (comp begin or grab)	Date	Time	Composite end	Bottle Group(s)
location				☒ Comp ☐ Grab	10/14/2019	1205		
field ID				Matrix (type, e.g., Salt, Fresh, etc)				
				pH	7.91			
				Temp (C)	26.2			
				Salinity (ppt)	20.85			
				Comments				

Relinquished By: Woods/Harden

Shipping Method

Hand Delivered

Number of Coolers Shipped:

Received By:

Date/Time

10/14/19

3:30pm

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
	ECOLL-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: 1	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: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					
Group: B	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ENT-24-QT					
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3					

Group: B	Bottle Type: 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: ENT-24-QT	P-250ML-WO-THI	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: D	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
Group: D	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: D	Bottle Type: ENT-24-QT	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE	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

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: TLH-ROC

Project ID: SMP

Requester: Michael Eckles

Collected By: Harden, WoodsField Report Prepared By: Harden, WoodsSampling Agency: 8034

Field/WIN ID →

Location →



Latitude

GULF ECONFINA B4

☐ dd ☐ dms

☐ aa ☐ Longitude


Field/WIN ID →

Location →



Latitude

GULF ECONFINA B2

☐ dd ☐ dms

☐ aa ☐ Longitude

Location

☐ Comp Grab ☒ Matrix (type, e.g., Salt, Fresh, etc) <u>Salt</u>		Collection (comp begin or grab) Date <u>10/14/2019</u> Time <u>12:15</u>		Composite end Date <u>10/14/2019</u> Time <u>12:15</u>		Bottle Group(s) (See pg 2) <u>C</u>	
Temp (C) <u>26.2</u> pH <u>8.12</u>		Diss. Oxygen <u>6.92</u> Sample Depth <u>0.3</u>		Total Res. Chlorine <u>3469</u> % sat <u>---</u>		Sp. Conductance (umho/cm) <u>3469</u>	
Salinity (ppt) <u>21.76</u> Comments		Eastern Central		Eastern Central		Bottle Group(s)	
☐ dd ☐ dms		☐ dd ☐ dms		☐ dd ☐ dms		☐ dd ☐ dms	

☐ Comp Grab ☒ Matrix (type, e.g., Salt, Fresh, etc) <u>Salt</u>		Collection (comp begin or grab) Date <u>10/14/2019</u> Time <u>12:20</u>		Composite end Date <u>10/14/2019</u> Time <u>12:20</u>		Bottle Group(s) (See pg 2) <u>C</u>	
Temp (C) <u>26.3</u> pH <u>7.97</u>		Diss. Oxygen <u>6.42</u> Sample Depth <u>0.3</u>		Total Res. Chlorine <u>34331</u> % sat <u>---</u>		Sp. Conductance (umho/cm) <u>34331</u>	
Salinity (ppt) <u>21.52</u> Comments		Eastern Central		Eastern Central		Bottle Group(s)	
☐ dd ☐ dms		☐ dd ☐ dms		☐ dd ☐ dms		☐ dd ☐ dms	

☐ Comp Grab ☒ Matrix (type, e.g., Salt, Fresh, etc) <u>Salt</u>		Collection (comp begin or grab) Date <u>10/14/2019</u> Time <u>12:20</u>		Composite end Date <u>10/14/2019</u> Time <u>12:20</u>		Bottle Group(s) (See pg 2) <u>C</u>	
Temp (C) <u>26.3</u> pH <u>7.97</u>		Diss. Oxygen <u>6.42</u> Sample Depth <u>0.3</u>		Total Res. Chlorine <u>34331</u> % sat <u>---</u>		Sp. Conductance (umho/cm) <u>34331</u>	
Salinity (ppt) <u>21.52</u> Comments		Eastern Central		Eastern Central		Bottle Group(s)	
☐ dd ☐ dms		☐ dd ☐ dms		☐ dd ☐ dms		☐ dd ☐ dms	

Inquired By: Woods/HardenDate/Time: 10/14/19Shipping Method: Hand Delivered

Number of Coolers Shipped:

Received By: 10/17/19 TKDate/Time: 10/17/19 3:30p

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: 1	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: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					
Group: B	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ENT-24-QT					
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3					

Sup: B	Bottle Type: 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
Sup: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
Sup: C	Bottle Type: ENT-24-QT	P-250ML-WO-THI	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab
Sup: D	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
Sup: D	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
Sup: D	Bottle Type: ENT-24-QT	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
Sup: 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
Sup: D	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab

