

RQ-2019-11-18-31

Field Personnel processing steps

☐ New Field IDs created (when using a new station) Date: _____ initials: _____ ☒ NA

☐ Create entry in SMPStationCreationFile if new station is used

\\Fidep1\wqap\NW ROC\TMDL\WIN_Station Creation

☒ Date sampled Date: 11/20/19 initials: NM

☒ Update "SMP Tracker" Date: 11/21/19 initials: NM

☐ Photos put into archive Date: _____ initials: _____ ☒ NA

☒ Copy of Calibration Log for YSI used

☒ Field Sheets initialed/dated @ "Scan/Save Field Sheets" then scanned and saved into:

Scans_ToBeProcessed Date: 11/21/19 initials: NM

Scan order; Cover Sheet, Calibration Log, Field Sheets, Tallahassee Submittal Sheets, Overflow Lab COC

☒ Update "Data Tracker"

\\publicfiles\pubfds\DEAR\WQAPmonitoring\StrategicMonitoring\2019\21FLPNS

Ready for folder system (top)

LIMS processing (to be completed by LIMS data personnel) (MC)

☐ Field parameters entered into LIMS Date: _____ initials: _____

☐ Digital RQ packet put into

SMP 2019/Data/Scanned Field Sheets Date: _____ initials: _____

☐ Digital field Sheets put into archive Date: _____ initials: _____

☐ Date submitted for QA/QC Date: _____ initials: _____

☐ Update "Data Tracker"

Database processing (Cheryl)

☐ Field parameters QA/QC in LIMS Date: _____ initials: _____

☐ Lab results put into archive (CB) Date: _____ initials: _____

☐ Data migrated to WINS Date: _____ initials: _____

☐ Update "Data Tracker"

Notes:

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: 155077

RQ: 2011-18-29/31

Project: 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 10/17/19

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.	NM	11/20/19	0648	21.3	765	8.9	8.92	100.1			P / F	<u>0</u> F
ICV											P / F	L / F
CCV	NM	11/20/19	0645	21.4	765	8.9	8.92	100.1			<u>P</u> / F	<u>0</u> F
CCV	✓	✓	1600	21.5	767	8.9	8.93	100.1			<u>P</u> / F	<u>0</u> 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.	NM	11/20/19	0650	120116A	1/20	1000	1000	P / F	<u>0</u> F
ICV			0655	120577A	1/20	100	104	<u>P</u> / F	<u>0</u> F
CCV			1605	120099B	5/20	50000	49500	<u>P</u> / F	<u>0</u> 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.	NM	11/20/19	0700	12045E	10/20	7.	21.3	7.0		P / F	<u>0</u> F
Calibr.			0702	4702DS	2/21	4.	21.3	4.0		P / F	<u>0</u> F
Calibr.			0704	4704E09	9/20	10.	21.3	10.0		P / F	<u>0</u> F
ICV			0706	4702DS	2/21	4.0	21.3	4.11	164.4	<u>P</u> / F	<u>0</u> F
CCV			1608	4704E09	9/20	10.0	21.2	9.97	173.9	<u>P</u> / F	<u>0</u> 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 / N/A (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 10/17/19

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	NM	11/20/19	0710	0.00	0.00	<u>P</u> / F	<u>0</u> F

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

COMMENTS:

2 RQS 11-18-29
11-18-31



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Blackwater Bay west of Escribano Point

Date: 11/20/19
(mm/dd/yyyy)

WIN/ Field ID: G4NW0401

WBID: 548GB

Latitude: 30.50592

County: Santa Rosa County

ORG ID: 21FLPNS

Longitude: -87.03270

Receiving Body of Water: Gulf of Mexico

RQ-2019- 11-18-31
(Decimal Degrees)

Sampling Team Members

muelina
Nathan muelina

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# 155077

Matrix: Fresh / Marine / DI

Photos: Yes / No

Flow: No Flow / Intestinal / Flowing / NA

Tide: Rising / Falling / Slack / NA

Tide Times: High 4:10 AM Low 3:29 PM

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	1200		0.3		9.31	101.6	7.76	14.33	23524	15.9
<u>CEN</u>		2.8	2.3		10.46	120.3	8.17	23.14	36524	15.7

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	9129100	5/9/20	☐ <2
Metals	☒ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3	9129070	5/9/20	☐ <2
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☐ Ice			
Chlorophyll	☐ CHL-SUITE-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 Coll ☒ F Coll ☐ 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				

Place Preservative Sticker(s) Here
(If Available)

Notes:

Field/WIN ID



G4NW0401

Location:

Blackwater Bay west of Escribano Point

Signature: [Signature]

Date: 11/20/19

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)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / ☒ No

WIN Station Name: Trout Bayou

Date: 11/20/19
(mm/dd/yyyy)

WIN/ Field ID: G4NW0443

WBID: 694

Latitude: 30.50841

County: Santa Rosa

ORG ID: 21FLPNS

Longitude: -87.09354
(Decimal Degrees)

Receiving Body of Water: Escambia Bay

RQ-2019- 11-18-31
(Decimal Degrees)

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Mike King									
Nathan M. M. M.									

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# 155077

Matrix: Fresh / Marine DI

Photos: Yes / No Flow: No Flow / Intestinal / Flowing / NA Tide: Rising / Falling / Slack / NA Tide Times: High 4:10 PM Low 2:29 PM

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTH)	Sp COND (umhos/cm)	Temp. (C°)
EST	1330	0.4	0.3	VOB	8.58	99.9	7.73	21.57	34251	16.8
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	9/29/00	5/9/20	☒ <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-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 → G4NW0443

Location: TROUT BAYOU

Signature: _____ Date: 11/20/19

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)

QA/QC Sample Information

Duplicate

Time Zone: EST <u>CEN</u>		Time: <u>1340</u>		Field ID: <u>G4NW0443_DUP</u> (WIN ID_DUP)	
WIN DMT Activity ID:					
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>9129100</u>	<u>5/9/20</u>	☒ < 2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ < 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			
Microbiology	☐ E Coll ☐ F Coll ☒ Enterococci	☒ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-E3821-MS ☐ W-E3821-DI	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-E3821-DI ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-E-3821-MS ☐ W-CARB-AA	☐ Ice			

Place Preservative Sticker(s) Here
(If Available)

Blank

Time Zone: EST <u>CEN</u>		Time: <u>1210</u>		Field ID: <u>FB_11202019</u> (Blank Type_DDMMYYYY)	
DI Source: <u>ice room</u>		Location: <u>Blackwater Bay</u>		Equipment ID: _____	
☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank					
WIN DMT Blank Batch ID:					
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>9129100</u>	<u>5/9/20</u>	☒ < 2
Metals	☐ W-ICPMS ☒ W-ICP	☐ Ice ☐ HNO ₃	<u>9129070</u>	<u>5/9/20</u>	☒ < 2
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☐ 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-F / W-TSS / TURBIDITY	☒ Ice			
Tracers	☐ W-E3821-MS ☐ W-E3821-DI	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-E3821-DI ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-E3821-MS ☐ W-CARB-AA	☐ Other			

Field/WIN ID → <u>G4NW0443_DUP</u> Location: <u>TROUT BAYOU</u>	Field/WIN ID <u>FB_11202019</u> Location: <u>Blackwater Bay west of Escribano Point</u>
Signature: _____	Date: <u>11/20/19</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 _____ (Initials/Date) Migrate Data to WIN: _____ (Initials/Date) Verify Data In WIN: _____ (Initials/Date)

Esc/BW Bay Run

last revised Jan 25, 2018

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By: *N. M. King*

Project ID: SMP

Collected By: *Nathan M. King*Sampling Agency: *NWRDC*

Local	Field/WIN ID →			Comp	Collection (comp begin or grab)	Eastern	Composite end	Bottle
Field	Location:			Grab	Date 11/20/19 Time 1300	Central	Date	Group(s)
WIN/					Matrix (type, e.g. Salt, Fresh, etc)		Diss. Oxygen 8.58 mg/L % sat	Total Res. Chlorine (mg/L)
					Temp (C) 16.8		Sample Depth 0.3 ft	Sp. Conductance (umho/cm) 3421
					Salinity (ppt) ☐ dd ☐ dms		Comments	
Local	Field/WIN ID →			Comp	Collection (comp begin or grab)	Eastern	Composite end	Bottle
Field	Location:			Grab	Date 11/20/19 Time 1340	Central	Date	Group(s)
WIN/					Matrix (type, e.g. Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine (mg/L)
					Temp (C)		Sample Depth	Sp. Conductance (umho/cm)
					Salinity (ppt) ☐ dd ☐ dms		Comments	
Local	Field/WIN ID			Comp	Collection (comp begin or grab)	Eastern	Composite end	Bottle
Field	Location:	Blackwater Bay west of Escibano Point		Grab	Date 11/20/19 Time 1200	Central	Date	Group(s)
WIN/					Matrix (type, e.g. Salt, Fresh, etc)		Diss. Oxygen 9.31 mg/L % sat	Total Res. Chlorine (mg/L)
					Temp (C) 15.9		Sample Depth 0.3 ft	Sp. Conductance (umho/cm) 23524
					Salinity (ppt) ☐ dd ☐ dms		Comments	
Local	Field/WIN ID			Comp	Collection (comp begin or grab)	Eastern	Composite end	Bottle
Field	Location:	Blackwater Bay west of Escibano Point		Grab	Date 11/20/19 Time 1200	Central	Date	Group(s)
WIN/					Matrix (type, e.g. Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine (mg/L)
					Temp (C)		Sample Depth	Sp. Conductance (umho/cm)
					Salinity (ppt) ☐ dd ☐ dms		Comments	

Relinquished By: <i>N. M. King</i>	Date/Time: 11/20/19	Shipping Method: Fed Ex	Number of Coolers Shipped: 1	Received By:	Date/Time:
------------------------------------	---------------------	-------------------------	------------------------------	--------------	------------

Group: B	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	NW-UWF-ENQ					<u>Sent to OP</u>

Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3					<u>2</u>
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					

Group: B	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F					<u>2</u>

Group: C	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					<u>1</u>
	TURBIDITY					
	W-BR-IC					
	W-F					
	W-TSS					

Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab
	W-ICP					<u>1</u>
	W-ICPMS					

Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3					<u>1</u>
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					

Group: C	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F					<u>1</u>

Project: _____ FDEP _____

Method of transport: _____ Drop off _____ on ice by automobile

Samples delivered by: [Signature] FDEP _____

Sample received by: [Signature] of _____ WRL _____

Sampler's initials: *WV*

Page 1 of 1
Date/Time: 7/20/19 1432
Date/Time: 7/20/19 1432

Instructions: Fill in all fields except "Lab ID" on sample transport form completely. Each sample container must use a separate line. Place this form in a waterproof bag and place it with the samples for transport. If a field log or other chain of custody is attached, that information may be referenced on this form and the log or COC attached.

[illegible]

Comments	sample container lot# #
	1912

RQ-2019-11-18-31

Contact organization
FDEP

Address 160 W Governmental Street suite 208 Pensacola FL 32502

1 Matrix. SW = surface water. PW = pore water. GW = ground water. S = soil/sediment, X =

²Tyne codes: G = arab. C = composite. X =

Phone: (850) 595-8300

Contact name	Michael King
--------------	--------------

Sampler's name:

³ Recorded using IRT-2