

RQ-2019- 09-09 -50

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

\\Fldep1\wqap\NW ROC\TMDL\WIN_Station Creation

☒ Date sampled

Date: 9/10/19

initials: SS

☒ Update "SMP Tracker"

Date: 9/10/19

initials: SS

☐ 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: 9/11/19 initials: SS

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)

Meter ID: 155077

RQ-

2019-09-09-50

Project:

SMP

Boldly "X" this box if there are qualified data on this page.

- 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	MKE Kmg	9/10/19	0735	24.2	765.3	8.4	8.43	99.8			(P) F	(L) F
CCV	MKE Kmg	9/10/19	1445	22.7	765.1	8.7	8.72	100.4			(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.	M	9/10	0740	1906180	06/2020	10000	10001	(P) F	(L) F
ICV	M	9/10	0745	1901164	01/2020	1000	1007	(P) F	(L) F
CCV	M	9/10	1447			100	104.1	(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.	M	9/10	0748	2811803	10/20	7.	25.1	7.0	-39.6	(P) F	(L) F
Calibr.	M		0749	2902818	01/21	4.	25.0	4.0	143.1	(P) F	(L) F
Calibr.	M		0750	4904609	09/20	10.	25.1	10.0	-204.9	(P) F	(L) F
ICV	M		0753	2902818	01/21	4.0	25.2	4.01		(P) F	(L) F
CCV	M	9/10	1450	4904609	09/20	10.0	25.1	10.15		(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)

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: 9/13/19

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	M	9/10	0800	0000	0.000	(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:

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: 154179

RQ: 2019-09-09 24850

Project: 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 6/13/19

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.											P / F	L / F
ICV											P / F	L / F
CCV	<u>S. Blode</u>	<u>9/10/19</u>	<u>0720</u>	<u>26.0</u>	<u>769.3</u>	<u>8.2</u>	<u>8.23</u>	<u>100.8</u>	<u>-</u>	<u>-</u>	<u>(P) F</u>	<u>(L) F</u>
CCV	<u>S. Blode</u>	<u>9/10/19</u>	<u>1453</u>	<u>24.3</u>	<u>769.3</u>	<u>8.5</u>	<u>8.51</u>	<u>100.8</u>	<u>-</u>	<u>-</u>	<u>(P) F</u>	<u>(L) F</u>

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.	<u>S. Blode</u>	<u>9/10/19</u>	<u>0722</u>	<u>190116A</u>	<u>Jun '20</u>	<u>1000</u>	<u>1000</u>	<u>(P) F</u>	<u>(L) F</u>
ICV	<u>S. Blode</u>	<u>9/10/19</u>	<u>0724</u>	<u>190509B</u>	<u>May '20</u>	<u>50000</u>	<u>50686</u>	<u>(P) F</u>	<u>(L) F</u>
CCV	<u>S. Blode</u>	<u>9/10/19</u>	<u>1456</u>	<u>190618A</u>	<u>Jun '20</u>	<u>100</u>	<u>104.3</u>	<u>(P) F</u>	<u>(L) F</u>
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.	<u>S. Blode</u>	<u>9/10/19</u>	<u>0726</u>	<u>2811803</u>	<u>Oct '20</u>	<u>7.</u>	<u>26.4</u>	<u>2.00</u>	<u>-62.0</u>	<u>(P) F</u>	<u>(L) F</u>
Calibr.	<u>S. Blode</u>	<u>9/10/19</u>	<u>0728</u>	<u>2902818</u>	<u>Jan '21</u>	<u>4.</u>	<u>26.5</u>	<u>4.01</u>	<u>117.3</u>	<u>(P) F</u>	<u>(L) F</u>
Calibr.	<u>S. Blode</u>	<u>9/10/19</u>	<u>0730</u>	<u>4904E09</u>	<u>Sep '20</u>	<u>10.</u>	<u>26.8</u>	<u>9.98</u>	<u>-232.8</u>	<u>(P) F</u>	<u>(L) F</u>
ICV	<u>S. Blode</u>	<u>9/10/19</u>	<u>0732</u>	<u>2902818</u>	<u>Jan '21</u>	<u>4.0</u>	<u>26.2</u>	<u>3.99</u>	<u>117.2</u>	<u>(P) F</u>	<u>(L) F</u>
CCV	<u>S. Blode</u>	<u>9/10/19</u>	<u>1508</u>	<u>2811803</u>	<u>Oct '20</u>	<u>7.0</u>	<u>24.4</u>	<u>7.16</u>	<u>-68.7</u>	<u>(P) F</u>	<u>(L) F</u>
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 10 169.2, slope from 4 to 7 179.3 (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: 6/13/19

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	<u>S. Blode</u>	<u>9/10/19</u>	<u>0733</u>	<u>0.00</u>	<u>0.00</u>	<u>(P) F</u>	<u>(L) F</u>

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: Bucket Branch end of Bucket Creek Rd

Date: 9/10/19
(mm/dd/yyyy)

WIN/ Field ID: G4NW0059

WBID: 356

Latitude: 30.67213
(Decimal Degrees)

County: Santa Rosa

ORG ID: 21FLPNS

Longitude: -86.96966
(Decimal Degrees)

Receiving Body of Water: Big Coldwater Creek

RQ-2019- 09-09-50

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
<u>M. King</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# 155077

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	0910	0.5	0.3	VOB	3.81	44.1 34.3	5.39	0.01	34.1	23.0
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	SA9010030	04/10/20	☐ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ <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-CH-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 ☐ W-E8321-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C				

Notes:

Ref:	Date: 05Sep19	SHIPPING:	0.00
Dep:	Wgt: 10.00 LBS	SPECIAL:	0.00
	DV:	HANDLING:	0.00
		TOTAL:	0.00

Master 1190 3161 7080
TRCK: 1190 3161 7080

Field/WIN ID → G4NW0059

Location: Bucket Branch end of Bucket Creek Rd

Signature: _____ Date: 9/10/19

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 9/10/19 Migrate Data to WIN: _____ Verify Data in WIN: _____

(Initials/Date) (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: Pace Mill Creek upstream of Hwy 90

Date: 09/10/2019
(mm/dd/yyyy)

WIN/ Field ID: G4NW0481

WBID: 420

Latitude: 30.593833

County: Santa Rosa

ORG ID: 21FLPNS

Longitude: -87.174637
(Decimal Degrees)

Receiving Body of Water: Escambia Bay

RQ-2019-09-09-50
(Decimal Degrees)

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Sampling Equipment					
☐ Sample Container ☐ Van Dorn ☒ Pole					
☐ Carboy ☐ Syringe					
☐ Dipper ☐ Other					
Depth Measured with Equipment ID: Pole CAT					
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# 134779 Matrix: Fresh Marine/ DI
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		0.3		VOB						
CEN	11:15		0.2		5.96	71.2	5.55	0.03	60.5	25.0

Biological Samples Collected: Non-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	8274050	10/1/19	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	16918633		
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	☐ MIFW-QLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci	☒ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-BAC-R ☐ 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 ☐ W-E8321-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C				

Notes:

Field/WIN ID → G4NW0481

Location: Pace Mill Creek upstream of Hwy 90

Signature: [Signature] Date: 9/10/19

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 28 9/11/19 Migrate Data to WIN: Verify Data In WIN:

(Initials/Date) (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: Pond Creek mouth @ Wildwood Drive

Date: 09/10/2019
(mm/dd/yyyy)

WIN/ Field ID: G4NW0273

WBID: 176

Latitude: 30.60525

County: Santa Rosa

ORG ID: 21FLPNS

(Decimal Degrees)

Longitude: -87.05648

(Decimal Degrees)

Receiving Body of Water: Blackwater River

RQ-2019- 09-09-50

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☒ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Depth Measured with Equipment ID: <u>09/10/2019</u>		
Collection Method		
☐ Wading	☐ Canoe/Kayak	
☒ From Shore	☐ Electric Motor	
☐ Other	☐ Gasoline Motor	

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded Meter ID# 154179 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		2.7	0.2	2.0	7.31	85.7	5.32	0.01	27.9	24.0
CEN	1130	2.7	2.2		7.42	86.9	5.34	0.01	28.1	24.0

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-TRN / ☐ W-TOC / ☐ W-S-A-TP	☐ Ice ☐ H2SO4			☐ <2
Metals	☐ W-ICPMS ☐ W-ACP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45µm Filter	☐ Ice			
Chlorophyll	☐ CHL-SUITE-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-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	☐ QTY-QN-C ☐ PKD-QN-C				

Notes:

Field/WIN ID: G4NW0273

Location: Pond Creek mouth @ Wildwood Drive

Signature: [Signature] Date: 9/10/19

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 28 9/11/19 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: Jakes Bayou upstream of Robinson Point Rd

Date: 09/10/2019
(mm/dd/yyyy)

WIN/ Field ID: G4NW0394

WBID: 537

Latitude: 30.55094

County: Santa Rosa

ORG ID: 21FLPNS

Longitude: -87.03133

Receiving Body of Water: Blackwater Bay

RQ-2019- 09-09-50

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Depth Measured with Equipment ID: Pole Cat		
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 / Intestinal / Flowing (NA) Tide: Rising / Falling / Slack / NA Tide Times: High 1019 Low 2106

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		1.9	0.3	1.1	4.60	66.1	6.68	11.30	19100	32.1
CEN	1210		1.3		3.26	50.6	6.59	19.31	31350	33.8

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	8274050	10/1/19	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	16918633		
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	☐ M-PW-QLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☐ E Coli ☐ F Coli ☒ Enterococci	☒ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-BaCR ☐ PCR-GULL2 ☐ PCR-HFLB3 ☐ 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: G4NW0394

Location: Jakes Bayou upstream of Robinson Point Rd

Signature: [Signature] Date: 9/10/19

LIMS EVENT ID: WIN Import ID: QC Station ID, Field Parameters In LIMS DMT: Scan/Save Field Sheets 9/10/19 Migrate Data to WIN: Verify Data In WIN:

Milton Run

Central Laboratory Submittal Form

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 / Stephen Sale

Sampling Agency: NWROE

Location	Field/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/10/19 Time 1210	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)
Field ID	G4NW0394			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 460	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	C
WIN/STO	Location: Jakes Bayou upstream of Robinson Point Rd			Temp (C) 32.1	pH 6.68	Sample Depth 0.3	Sp. Conductance (umho/cm) 19100	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 11.30	Comments			
Location	Field/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/10/19 Time 1130	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID	G4NW0273			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 7.31	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	B
WIN/STO	Location: Pond Creek mouth @ Wildwood Drive			Temp (C) 24.0	pH 5.32	Sample Depth 0.2	Sp. Conductance (umho/cm) 27.9	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.01	Comments			
Location	Field/WIN ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/10/19 Time 1115	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID	G4NW0481			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 5.96	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
WIN/S	Location: Pace Mill Creek upstream of Hwy 90			Temp (C) 25.0	pH 5.55	Sample Depth 0.2	Sp. Conductance (umho/cm) 605	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.03	Comments			
Location	Bucket Branch end of Bucket Creek Rd		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/10/19 Time 0910	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID	G4NW0059			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 3.81	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
WIN/STORET.#	G4NW0059			Temp (C) 23.0	pH 5.39	Sample Depth 0.3	Sp. Conductance (umho/cm) 34.1	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.01	Comments			

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
	9/10/19	Fed Ex	1		

Group: A	Bottle Type:	P-1L	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
	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	2
	CHLSUITE-W					
Group: A	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	Contract Lab
	NW-UWF-ECQ					
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	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: 3	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	2
	W-PO4-F					
Group: B	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
	NW-UWF-ECQ					
Group: C	Bottle Type:	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS					
Group: C	Bottle Type:	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
	CHLSUITE-W					
Group: C	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
	NW-UWF-ENQ					

H2SO4
 LOT# SA8274058
 EXP: 10/01/2019

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

H2SO4
LOT# SA8274050
EXP: 10/01/2019

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

Document Reference # 05.1.0

Sampler's initials : MW

Page 1 of 1

Date/Time: 4/10/19 1:10:15

Date/Time: 09/10/19 11015

[illegible]

RQ-2019-09-09-50

Phone: (850) 595-8300

Sampler's name: Stopher Slade

³ Recorded using IRT-2

Wetlands Research Laboratory

Document Reference # 05.1.0

FDEP

Laboratory: Wetlands Research Laboratory

Sampler's initials : MM

Drop off

on ice by automobile

FDEP

WRL

Page 1 of 1-9/12/19

Date/Time: 11/10/11 1245

Date/Time: 1/10/11 1245

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# #18055
----------	------------------------------

RQ-2019-09-09-50

FDEP

Contact name Mike King

Phone: (850) 595-8300

Address 160 W Governmental Street, suite 208, Pensacola, FL 32502

Sampler's name: Stopher Slade

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

²Type codes: G = grab, C = composite, X = _____

³ Recorded using IRT-2