

RQ-2019-07-15-27

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: 7/18 initials: MK
- ☒ Update MAT Date: 7/19 initials: MK
- ☒ Update "SMP Tracker" Date: 7/19 initials: MK
- ☒ Photos put into archive Date: _____ initials: _____ ☐ NA
- ☐ RQ Sheet – from LIMS (display/print request) – Printer not working on my computer (included in SCAN)
- ☐ Field Sheets initialed/dated @ "Scan/Save Field Sheets" then scanned (with calibration logs) and saved into:
- Scans_ToBeProcessed Date: 7/25/19 initials: MK
- ☒ 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:

154179

RQ:

2019-07-15-2

Project:

CMP

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	NM	7/18/19	0700	24.8	768	8.4	8.42	100.4			P F	L F
CCV	↓	↓	1500	26.4	764	8.1	8.09	100.0			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.	NM	7/18/19	0705	190114A	1/20	1000	1000	P / F	L / F
ICV	↓	↓	0708	190618A	6/20	100	102	P F	L F
CCV	↓	↓	1505	↓	↓	↓	104	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.	NM	7/18/19	0710	2902818	1/21	7.0	24.2	7.0		P / F	L / F
Calibr.	↓	↓	0712	2811803	10/20	4.0	24.2	4.0		P / F	L / F
Calibr.	↓	↓	0714	4904E09	9/20	10.0	24.2	10.0		P / F	L / F
ICV	↓	↓	0718	2902818	1/21	4.0	24.2	4.10	116.3	P F	L F
CCV	↓	↓	1508	2811803	1/20	7.0	26.5	7.03	86.4	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: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: 6/13/19

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	7/18/19	0720	0.00	0.00	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: 15479

RQ- 2019-07-22-13

Project: SM

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	NM	7/23/19	0720	26.4	764	8.1	8.09	100.0			P / F	L / F
CCV	↓	↓	1510	20.6	763	9.0	9.07	100.6			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.	NM	7/23/19	0728	190116A	1/20	1000	1000	P / F	L / F
ICV	↓	↓	0730	190618A	6/20	100	104	P / F	L / F
CCV	↓	↓	1512	190116A	1/20	1000	1014	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.	NM	7/23/19	0735	281803	10/20	7.		7.0		P / F	L / F
Calibr.	↓	↓	0738	2902818	1/21	4.		4.0		P / F	L / F
Calibr.	↓	↓	0740	4904E19	9/20	10.		10.0		P / F	L / F
ICV	↓	↓	0745	4904E09	8/20	7.0	26.5	7.03	86.4	P / F	L / F
CCV	↓	↓	1515	2902818	1/21	4.0	23.6	4.19	109.3	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: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: 6/13/19

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	7/23/19	0756	0.00	0.00	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:

Document Reference # 05.1.0

Laboratory: Wetlands Research Laboratory

Sampler's initials: _____

Page 1 of 1
DateTime: 7/18/19 11:38
DateTime: 7/18/19 11:38

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]

RQ-2019-07-15-27

Phone: (850) 595-8300

Sampler's name: MikE King

³ Recorded using IRT-2



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes ☒ No ☐

WIN Station Name:

Wiggins Branch below Hwy 29

Date: 07/18/19
(mm/dd/yyyy)

WIN/ Field ID:

G4NW0163

WBID:

25

Latitude:

30.95643

County:

Escambia

ORG ID:

21FLPNS

Longitude:

-87.27608

(Decimal Degrees)

Receiving Body of Water:

ESCAMBIA RIVER

RQ-2019- 2019-07-15-27

(Decimal Degrees)

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Michael King	☒	☒	☒	☒	☒
Nathan Mulkey	☒	☒	☒	☒	☒
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐

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/ <u>Low</u> / Normal / High / Flooded		Meter ID# 154179	
Photos: <u>Yes</u> / No	Flow: No Flow / Intestinal / <u>Flowing</u> / NA	Tide: Rising/ Falling/ Slack/ <u>NA</u>	Tide Times: High Low
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#:
Notes:			

Duplicate Sample

Time Zone: EST CEN Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____	

Blank

Time Zone: EST CEN Time: _____	Field ID: _____ (Blank Type_DDMMYYYY)
DI Source: ☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Location: _____
Equipment ID: _____	

Signature: _____	Date: 7/18/19
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LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: _____ (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: _____ (Initials/Date)

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



RQ-2019- 2019-07-15-27

Customer: NW-DIST

Project ID: SMP

Collected By: Nathan mivneyField Report Prepared By: MIKE KINGSampling Agency: DEP NW ROC

Field/WIN ID



G4NW0163

Location:

Wiggins Branch below Highway 29

Comments:

Matrix: ☒ Fresh / ☐ Marine / ☐ Field Blank / ☐ Equipment Blank(Check one) ☐ COMPOSITE ☒ GRAB

Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (umhos/cm)	Salinity (PPT)
07/18	0840	3.98	46.1	23.2	4.85	0.2	0.3	0.3	34.6	0.01
	CST									
	CST						☒ VOB (S)			

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (BP-1L)	☒ W-PH3- / ☐ W-NO2NO3- / ☐ W-TKN- / ☐ W-TOC- / ☐ W-S-A-TP	☐ Ice ☐ H2SO4	☒ <2	1	A
	Lot# SA 9010030 Exp:	04/10/20			
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3	☒ <2		
	Lot# Exp:				
Filtered Nutrients (P125ML)	☒ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☐ Ice		1	A
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☐ Ice		1	A
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice		1	A
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID	☐ Ice			
Microbiology (Contract Lab Bottle)	☒ E Coli ☐ F Coli ☐ Enterococci	☒ Ice		0	CONTRACT LAB
	☒ Contract Lab				
Molecular (QPCR-P-500ML)	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2	☐ Ice			
	☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD				
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides (BG-500ML) (BG-1L)	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-CARB-AA	☐ Ice			
	☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-E8321-DI	☐ CH2ClCOOH			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			
Relinquished By:	Date/Time: 7/18 1600	Shipping Method: FedEx	Number of Coolers Shipped: 2	Received By:	Date/Time:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name:

McDavid Creek 100 m upstream SR99

Date:

7/18/2019

WIN/ Field ID:

G5NW0150

WBID:

149

Latitude:

30.73974

County:

Escambia

ORG ID:

21FLPNS

Longitude:

-87.44805258

Receiving Body of Water:

Cowhide Creek

RQ-2019- 2019-07-15-27

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Michael King	☒	☒	☒	☒	☒
Nathan Mulkey	☒	☒	☒	☒	☒
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐

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 / <u>Normal</u> / High / Flooded		Meter ID# 154179	
Photos: <u>Yes</u> / No	Flow: No Flow / Intestinal / <u>Flowing</u> / NA	Tide: Rising/ Falling/ Slack <u>NA</u>	Tide Times: High Low
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#:	
Notes:			

Duplicate Sample

Time Zone: EST CEN Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____	

Blank

Time Zone: EST CEN Time: _____	Field ID: _____ (Blank Type_DDMMYYYY)
DI Source: _____	Location: _____
☐ Field Blank	Equipment ID: _____
☐ Equipment Blank	
☐ Field Cleaned Equipment Blank	

Signature: _____	Date: 7/18/17
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LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: _____ (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: _____ (Initials/Date)

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



RQ-2019- 2019-07-15-27

Customer: NW-DIST

Project ID: SMP

Collected By: N. Mulvey

Field Report Prepared By: M. King

Sampling Agency: DEP NW ROC

Field/WIN ID →



G5NW0150

Location:

McDavid Creek 100 m upstream SR99

Comments:

Matrix: ☒ Fresh ☐ Marine ☐ Field Blank ☐ Equipment Blank(Check one) ☐ COMPOSITE ☒ GRAB

Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
7/18/19	1035	7.34	85.4	23.4	4.60	0.3	0.7	0.7	22.3	0.01
	CST									
	CST						☒ VOB (S)			

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (BP-1L)	☒ W-NH3 / ☐ W-NO2NO3 / ☐ W-TKN / ☐ W-TOC / ☐ W-S-A-TP	☒ Ice ☐ H2SO4	☐ <2	1	A
	Lot# SA 9010030 Exp:	04/10/20			
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃	☐ <2		
	Lot# Exp:				
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☐ Ice		1	A
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	A
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W- SO4-IC / W-TDS	☒ Ice		1	A
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID	☐ Ice			
Microbiology (Contract Lab Bottle)	☒ E Coli ☐ F Coli ☐ Enterococci	☐ Ice		0	CONTRACT LAB
	☒ Contract Lab				
Molecular (QPCR-P-500ML)	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2	☐ Ice			
	☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD				
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides (BG-500ML) (BG-1L)	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-CARB-AA	☐ Ice			
	☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-E8321-DI	☐ CH2ClCOOH			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			
Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time:
	7/18 1600	Fedex	2		



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes ☒ No ☐

WIN Station Name:

Big Escambia Creek downstream of Fannie Rd

Date:

7/18/2019
(mm/dd/yyyy)

WIN/ Field ID:

G4NW0421

WBID:

10

Latitude:

30.98369

County:

Escambia

ORG ID:

21FLPNS

Longitude:

-87.23347

(Decimal Degrees)

Receiving Body of Water:

ESCAMBIA RIVER

RQ-2019- 2019-07-15-27

(Decimal Degrees)

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Michael King	☒	☒	☒	☒	☒
Nathan Mulkey	☒	☒	☒	☒	☒
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐

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# 154179	
Photos: ☒ Yes / ☐ No	Flow: No Flow / Intestinal / ☒ Flowing / NA	Tide: Rising/ Falling/ Slack/ ☒ NA	Tide Times: High Low
Biological Samples Collected: ☒ None HA SCI RPS Algae-ID LVS LVI Other:			
SBIO ID Numbers:	SBIO-ID:	HA-ID:	RPS-ID:
Macrophyte-ID:		LIMS#:	
Notes:			

Duplicate Sample

Time Zone: EST CEN	Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____		

Blank

Time Zone: EST CEN	Time: _____	Field ID: _____ (Blank Type_DDMMYYYY)
DI Source: _____		Location: _____
☐ Field Blank	☐ Equipment Blank	☐ Field Cleaned Equipment Blank
Equipment ID: _____		

Signature: _____	Date: 7/18/19
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LIMS EVENT ID:

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT:

(Initials/Date)

QC Station ID, Field Parameters In LIMS DMT:

(Initials/Date)

Scan/Save Field Sheets

(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data In WIN:

(Initials/Date)



RQ-2019- 2019-07-15-27

Customer: NW-DIST

Project ID: SMP

Collected By: N. Mulkey

Field Report Prepared By: M. King

Sampling Agency: DEP NW ROC

Field/WIN ID



G4NW0421

Location:

Big Escambia Creek downstream of Fannie Rd

Comments:

Matrix: ☒ Fresh ☐ Marine / ☐ Field Blank / ☐ Equipment Blank(Check one) ☐ COMPOSITE ☒ GRAB

Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
7/18	0905 CST	7.74	93.4	25.4	8.41	0.3	0.4	0.4	35.8	0.02
	CST						☒ WOB (S)			

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (BP-1L)	☒ W-NH3 / ☒ W-NO2/NO3 / ☒ W-TKN / ☒ W-TOC / ☒ W-S-A-TP	☒ Ice ☒ H2SO4	☒ <2	1	A
	Lot# SA 9010030 Exp:	04/10/20			
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3	☐ <2		
	Lot# Exp:				
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice		1	A
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	A
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice		1	A
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID	☐ Ice			
Microbiology (Contract Lab Bottle)	☒ E Coli ☐ F Coli ☐ Enterococci	☒ Ice		0	CONTRACT LAB
	☐ Contract Lab				
Molecular (QPCR-P-500ML)	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides (BG-500ML) (BG-1L)	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-E8321-DI	☐ Ice ☐ CH2ClCOOH			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			
Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time:
	7/18 1600	FEDEX	2		



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes ☐ No ☒

WIN Station Name: Little Pine Barren Creek ABOVE CR 99

Date: 7/18/19
(mm/dd/yyyy)

WIN/ Field ID: G4NW0420

WBID: 87

Latitude: 30.89164

County: Escambia

ORG ID: 21FLPNS

Longitude: -87.44683
(Decimal Degrees)

Receiving Body of Water: ESCAMBIA RIVER

RQ-2019- 07-15-27
(Decimal Degrees)

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Michael King	☒	☒	☒	☒	☒
Nathan Mulkey	☒	☒	☒	☒	☒
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐

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# <u>154179</u>
Photos: Yes ☐ No ☒ Flow: No Flow / Intestinal / <u>Flowing</u> / NA	Tide: Rising/ Falling/ Slack/ <u>NA</u> Tide Times: High Low
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#:	
Notes:	

Duplicate Sample

Time Zone: EST ☒ CEN Time: <u>0950</u>	Field ID: <u>G4NW0420_DUP</u> (WIN ID_DUP)
WIN DMT Activity ID: _____	

Blank

Time Zone: EST ☒ CEN Time: <u>1000</u>	Field ID: <u>FB_07182019</u> (Blank Type_DDMMYYYY)
DI Source: <u>ICE ROOM</u>	Location: <u>Little Pine Barren Creek</u>
☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment ID: <u>NWROC IV</u>

Signature: _____ Date: 7/18/19

LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: _____ (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: _____ (Initials/Date)

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



RQ-2019- 07-15-27

Customer: NW-DIST

Project ID: SMP

Collected By: N. Mulvey

Field Report Prepared By: M. King

Sampling Agency: DEP NW ROC

Field/WIN ID						Barcode G4NW0420		Comments:		
Location: Little Pine Barren Creek above CR99										
Matrix: ☒ Fresh ☐ Marine / ☐ Field Blank / ☐ Equipment Blank						(Check one) ☐ COMPOSITE ☒ GRAB				
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
7/18	0945	5.59	67.0	24.8	5.29	0.3	0.6	0.6	48.9	0.02
	CST									
	CST						☒ VOB (S)			
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (BP-1L)		☒ W-NH3 / ☐ W-NO2NO3 / ☐ W-TKN / ☐ W-TOC / ☐ W-S-A-TP				☒ Ice ☐ H2SO4		☐ <2	1	A
		Lot#	SA 9010030		Exp:	04/10/20				
Metals (P-500ML)		☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO3		☐ <2		
		Lot#			Exp:					
Filtered Nutrients (P125ML)		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice			1	A
Chlorophyll (BP-1L)		☒ CHL-SUITE-W				☒ Ice			1	A
Physical/Aggregate (Fresh) (P-1L)		☐ Alkalinity / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY / ☐ W-CI-IC / ☐ W-COLOR / ☐ W-SO4-IC / ☐ W-TDS				☒ Ice			1	A
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / ☐ W-BR-IC / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY				☐ Ice				
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC				☐ Formalin				
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice				
Microbiology (Contract Lab Bottle)		☒ E Coli ☐ F Coli ☐ Enterococci				☐ Ice			6	CONTRACT LAB
		☒ Contract Lab								
Molecular (QPCR-P-500ML)		☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2				☐ Ice				
		☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD								
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice				
Pesticides (BG-500ML) (BG-1L)		☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-CARB-AA				☐ Ice				
		☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-E8321-DI				☐ CH2ClCOOH				
Phytoplankton		☐ DTY-QN-C ☐ PKD-QN-C				☐ Ice				
Relinquished By:		Date/Time		Shipping Method		Number of Coolers Shipped:		Received By:		Date/Time:
		7/18 1600		FEDEX		2				

RQ-2019- **2019-07-15-27**Customer: **NW-DIST**Project ID: **SMP**Collected By: MIKE KINGField Report Prepared By: MIKE KINGSampling Agency: DEP NW ROC**BLANK**

Field/WIN ID

**FB_07182019**

Location:

Little Pine Barren Creek above CR99

Comments:

Matrix: ☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equip Blank(Check one) ☐ COMPOSITE ☒ GRAB

Date

Time

07/18/19

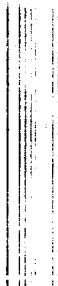
1000

EST

CST

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (BP-1L)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP Lot# SA 9010030 Exp: 04/10/20	☒ Ice ☐ H2SO4	☒ <2	1	B
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP Lot# Exp:	☐ Ice ☐ HNO3	☐ <2		
Filtered Nutrients (P125ML)	☒ W-P04-F ☒ Field Filtered 0.45 µm Filter	☒ Ice		1	B
Chlorophyll (BP-1L)	☐ CHLSUITE-W	☐ Ice			
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-P04-IC / W-TDS	☒ Ice		1	B
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID	☐ Ice			
Microbiology (Contract Lab Bottle)	☐ E Coli ☐ F Coli ☐ Enterococci ☐ Contract Lab	☐ Ice			
Molecular (QPCR-P-500ML)	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides (BG-500ML) (BG-1L)	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-E8321-DI	☐ Ice ☐ CH2CICOOH			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			
Relinquished By:	Date/Time: 7/18/1600	Shipping Method: FED-EX	Number of Coolers Shipped: 2	Received By:	Date/Time:

7/18 1600





RQ-2019- 2019-07-15-27

Customer: NW-DIST

Project ID: SMP

Collected By: N. Mvinney

Field Report Prepared By: M. K. King

Sampling Agency: DEP NW ROC

DUPLICATE SAMPLE

Field/WIN ID G4NW0420_DUP		Comments:			
Location: Little Pine Barren Creek above CR99					
Matrix: ☒ Fresh ☐ Marine / ☐ Field Blank / ☐ Equipment Blank /		(Check one) ☐ COMPOSITE ☒ GRAB			
Date	Time				
7/18/19 0950 CST	0950 CST				
Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (BP-1L)	☒ W-NH3 / ☐ W-NO2NO3 / ☐ W-TKN / ☐ W-TOC / ☐ W-S-A-TP	☒ Ice ☐ H2SO4	☒ <2	1	A
	Lot# SA 9010030 Exp: 4/10/20 04/10/20				
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3	☐ <2		
	Lot# Exp:				
Filtered Nutrients (P125ML)	☒ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☒ Ice		1	A
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	A
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice		1	A
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID	☐ Ice			
Microbiology (Contract Lab Bottle)	☒ E Coli ☐ F Coli ☐ Enterococci	☒ Ice		0	Contract Lab
Molecular (QPCR-P-500ML)	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides (BG-500ML) (BG-1L)	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-E8321-DI	☐ Ice ☐ CH2CICOOH			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			
Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time:
	7/18 1600	FedEx	2		