

RQ-2019-11-18-33

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: 11/25/19 initials: HS
- ☐ Update MAT Date: _____ initials: _____
- ☐ Update "SMP Tracker" Date: 11/26/19 initials: HS
- ☐ Photos put into archive Date: _____ initials: HS ~~☒ NA~~
- ☐ RQ Sheet – from LIMS (display/print request)
- ☐ Field Sheets initialed/dated @ "Scan/Save Field Sheets" then scanned (with calibration logs) and saved into:
- Scans_ToBeProcessed* Date: 11/26/19 initials: HS
- ☐ 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: 2019-11-18-33

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 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.											P / F	L / F
ICV											P / F	L / F
CCV	H Schmuck	11/25/19	0703	21.1	760.2	8.9	8.80	98.9	—	—	☒ P ☐ F	☐ L ☒ F
CCV	H Schmuck	↓	15:32	23.4	758	8.5	8.53	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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	H Schmuck	11/25/19	0706	190116A	1/20	1000	1000	☐ P ☐ F	☒ L ☐ F
ICV	H Schmuck	11/25/19	0709	180517A	1/20	100	100.1	☐ P ☐ F	☐ L ☒ F
CCV	M. Clark	↓	15:35	190116A	1/20	1000	1004	☒ 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.	H Schmuck	11/25/19	0711	190405E	10/20	7.01	21.2	7.01	-13.8	☐ P ☐ F	☐ L ☒ F
Calibr.	H Schmuck	11/25/19	0713	4902325	2/21	4.01	21.6	4.01	160.4	☐ P ☐ F	☐ L ☒ F
Calibr.	H Schmuck	11/25/19	0716	4904609	9/20	10.05	20.8	10.05	-186.7	☐ P ☐ F	☐ L ☒ F
ICV	H Schmuck	11/25/19	0718	4902325	2/21	4.01	20.9	3.99	162.2	☐ P ☐ F	☐ L ☒ F
CCV	M Clark	↓	15:36	4904609	9/20	10.0	20.7	10.02	-186.0	☐ 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 10 172.9, slope from 4 to 7 174.2 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 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	H Schmuck	11/25/19	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:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / ☒ No

WIN Station Name:

Choctawhatchee River South upstream of River Rd boat ramp

Date: 11/25/2019

WIN/Field ID:

G3NW0206 G3NW0130

WBID: 49E

Latitude: 30.62049

613300

County: Walton

ORG ID: 21FLPNS

Longitude: -85.90948340

(Decimal Degrees)

(mm/dd/yyyy)

Receiving Body of Water: Choctawhatchee Bay

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Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
H. Schmuck					X	X			
M. Clark						X	X	X	X

Sampling Equipment			
☒ Sample Container	☐ Van Dorn	☐ Pole	
☐ Carboy	☒ Syringe		
☐ Dipper	☐ Other		
Depth Measured with ProDS			
Equipment ID 155077			

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 / Intertidal / 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	1130	1.531	0.3	0.8	9.22	90.1	7.33	0.06	128.6	14.4
CEN	1133		1.0		9.22	90.1	7.25	0.06	128.6	14.4

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	SA9129100	5/19/20	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	NA9129070	5/19/20	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	16918632		
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: G3NW0130

Location: Choctawhatchee River South of Carlisle Lake

Signature: Heath Schuck Date: 11/25/2019

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: Q3 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:

Choctawhatchee River upstream of Holmes Creek

Date:

11/25/19

(mm/dd/yyyy)

WIN/ Field ID: G3NW0129

WBID: 49C

Latitude: 30.49838

(Decimal Degrees)

County: Walton

ORG ID: 21FLPNS

Longitude: -85.86235

(Decimal Degrees)

Receiving Body of Water: Choctawhatchee Bay

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Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
HS						X			
MC						X			

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Depth Measured with <u>PROBSS</u>		
Equipment ID <u>155077</u>		

Collection Method		
☐ Wading	☐ Canoe/Kayak	
☐ From Shore	☐ Electric Motor	
☐ Other	☒ Gasoline Motor	

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded										Meter ID#	Matrix: <u>Fresh</u> 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	13:15	1.4	0.3	1.1	9.35	91.2	6.59	0.05	96.9	14.3	
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	549129100	5/20	☒ <2	
Metals	☒ W-ICPMS ☒ W-ICP				☒ Ice ☒ HNO3	NA9124070	5/20	☒ <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	☐ 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								

Notes:	Field/WIN ID
	G3NW0129
	Location: Choctawhatchee River upstream of Holmes Creek
Signature: <u>[Signature]</u>	Date: 11/25/19

LIMS EVENT ID:	WIN Import ID:
Enter Field Parameters, Verify Station ID in LIMS DMT: <u>[Initials/Date]</u>	QC Station ID, Field Parameters in LIMS DMT: <u>[Initials/Date]</u>
Scan/Save Field Sheets <u>[Initials/Date]</u>	Migrate Data to WIN: <u>[Initials/Date]</u>
	Verify Data in WIN: <u>[Initials/Date]</u>

Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					
Group: A	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	NW-UWF-ECQ					*5 samples sent to Vulf Contract Lab
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab
	W-ICP					
	W-ICPMS					
						HNO3 LOT# NH9129070 EXP: 05/09/20
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
						H2SO4 LOT# SH9129100 EXP: 05/09/2020
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	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-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					

Group: B Bottle Type: BP-1L # of Bottles: 1 Preservative: ICE Enter Number of Bottles Sent to Lab 1

CHLSUITE-W

Group: B Bottle Type: TEST HAS NO BOTTLE # of Bottles: 1 Preservative: ICE Enter Number of Bottles Sent to Lab 0

NW-UWF-ECQ

** 3 samples sent to UWF contract lab*

Group: B 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# SA9129180
EXP: 05/09/2020

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

W-PO4-F

Ref:
Dep:

Date: 08Nov19
Wgt: 10.00 LBS

DV:

SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Notes: PRIORITY OVERNIGHT
12PM-12PM AHHH TKS!

Samuel's initials: *HS/MS*

10

1436

1734

[illegible]

Comments: sample container lot# L19192
 RA-2019- 11-18-33
 Contact organization: FDEP
 Address: 160 W Governmental Street, suite 208, Pensacola, FL 32502
 *Matrix: SW = surface water, PW = pore water, GW = ground water, S = soil/sediment
 †Type codes: G = grab, C = composite, X = 2

Contact name: Mike King
 Phone: (850) 595-8300
 Sampler's name: M Clark
³ Recorded using IRT-2