

RQ-2019-12-02-56

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: 12/3/19 initials: MM

☒ Update "SMP Tracker" Date: 12/4/19 initials: MM

☐ 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: 12/4/19 initials: MR

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: 154179

RQ: 2019-12-02-56

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	12/3/19	0652	19.8	768.1	9.12	9.21	99.8			(P) F	(L) F
CCV	H Schmuck	12/3/19	1455	16.1	764.2	9.9	9.94	100.3			(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.	H Schmuck	12/3/19	0654	190116A	1/20	1000	1000	(P) F	(L) F
ICV	H Schmuck	12/3/19	0655	180157A	1/20	100	101.2	(P) F	(L) F
CCV	H Schmuck	12/3/19	1458	180157A	1/20	100	103.5	(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	12/3/19	0657	190405E	10/20	7.01	19.7	7.01	-80.7	(P) F	(L) F
Calibr.	H Schmuck	12/3/19	0659	1902525	2/21	4.01	20.6	4.01	88.8	(P) F	(L) F
Calibr.	H Schmuck	12/3/19	0701	190405E	9/20	10.06	20.2	10.06	-240.1	(P) F	(L) F
ICV	H Schmuck	12/3/19	0708	1902525	2/21	4	19.9	3.80	96.0	(P) F	(L) F
CCV	H Schmuck	12/3/19	1459	190405E	10/20	7	19.8	7.01	-76.0	(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 10 161.5 slope from 4 to 7 161.5 (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: 10/17/19

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	H Schmuck	12/3/19	0709	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: Gum Creek upstream of River Rd

Date: 12/03/2019
(mm/dd/yyyy)

WIN/Field ID: G3NW0439

WBID: 239

Latitude: 30.716560

County: Washington

ORG ID: 21FLPNS

Longitude: -85.798608

Receiving Body of Water: Choctawhatchee River

RQ-2019- 12-02-56

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
H Schmuck					X	X			
N Mulvey						X	X	X	

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☒ Other	
Depth Measured with Equipment ID: <u>154179</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# 154179 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	0912	0.32	0.10	0.232	6.40	59.3	3.65	0.02	54.2	8.9
CEN				1.03						

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	5A9129100	5/9/20	☒ <2
Metals	☒ W-ICRMS ☒ W-ICP <u>NA</u>	☒ Ice ☒ HNO3	NA 9129100	5/9/20	☒ <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-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: B no metals taken

Field/WIN ID → G3NW0439

Location: Gum Creek upstream of River Rd

Signature: Heather Schmuck Date: 12/03/2019

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: _____ 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: Green Branch Upstream of Buck Tyner Rd. Date: 12/03/2019
WIN/Field ID: G4NW0207 WBID: 91 Latitude: 30.944028 (mm/dd/yyyy)
County: Okaloosa ORG ID: 21FLPNS Longitude: -86.455972 (Decimal Degrees)
Receiving Body of Water: Shoal River RQ-2019- 12-02-56 (Decimal Degrees)

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
H. Schmitz					X	X	X		
N. Miller						X		X	

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Depth Measured with <u>Pro 455</u>		
Equipment ID <u>154179</u>		

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

Water Level: <u>Dry</u> / Pooled / <u>Low</u> / Normal / High / Flooded					Meter ID# <u>154179</u>		Matrix: <u>Fresh</u> / Marine / DI			
Photos: Yes <u>No</u>		Flow: <u>No Flow</u> / Intestinal / <u>Flowing</u> / NA		Tide: <u>Rising</u> / Falling / Slack / NA		Tide Times: High <u>Low</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	<u>1146</u>	<u>0.180</u>	<u>0.09</u>	<u>0.180</u>	<u>7.63</u>	<u>65.7</u>	<u>4.84</u>	<u>0.03</u>	<u>73.0</u>	<u>9.3</u>
CEN				<u>100B</u>						

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	<u>SA9129100</u>	<u>5/1/20</u>	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter	☒ Ice	<u>16918633</u>		
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-QIDG	☐ 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	☐ Ice			

Notes: <u>B</u>	<u>G3NW0439 DAP in</u> Place Label Here <u>G4NW0207</u>
Signature: <u>Heather</u>	Date: <u>12/03/2019</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 Migrate Data to WIN: Verify Data In WIN:

QA/QC Sample Information Duplicate

Time Zone: EST CEN		Time: 11:50		Field ID: 64NW0207-Dup (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	9129100	5/9/20	☐ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	11/11/1633		
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 Coli ☐ F Coli ☐ 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			

Blank

Time Zone: EST CEN		Time: 11:55		Field ID: FB-12032019 (Blank Type_DDMYYYY)	
DI Source: Carboy Pensacola Ice Room		Location: Green Branch Upstream of Buck Turner Rd			
☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank		Equipment ID: NW ROK IV			
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	SA 9129100	5/9/20	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO ₃	NA 9129100	5/9/20	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	11/11/1633		
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			
Notes:			Place Label Here		
Signature: Hank Shi				Date: 12/03/2019	

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)

Request Number: RQ-2019-44-10-10
12-02-56

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: NW-DIST
Project ID: SMP

Requester: Michael King
Collected By: Nathan McKay/Harbor Schmitz
Field Report Prepared By: N. McKay
Sampling Agency: MPOC

Field/WIN ID → G3NW0439		Barcode	
Location: Gum Creek upstream of River Rd			
Latitude	dd dms	Longitude	dd dms
Comments			
Temp (C)		pH	3.65
Diss. Oxygen		Sample Depth	0.1
Matrix (type, e.g., Salt, Fresh, etc)		Collection Date	12/3/19
Comp Grab		Time	0912
Eastern Central		Composite end Date	
mg/L		Total Res. Chlorine	
% sat			
ft		Sp. Conductance	542
m		(umho/cm)	
Bottle Group(s) B			

Field/WIN ID G4NW0207		Barcode	
Location: Green Branch Upstream of Buck Tyner Rd.			
Latitude	dd dms	Longitude	dd dms
Comments			
Temp (C)		pH	9.3
Diss. Oxygen		Sample Depth	484
Matrix (type, e.g., Salt, Fresh, etc)		Collection Date	12/3/19
Comp Grab		Time	1146
Eastern Central		Composite end Date	
mg/L		Total Res. Chlorine	
% sat			
ft		Sp. Conductance	730
m		(umho/cm)	
Bottle Group(s) B			

Field/WIN ID G4NW0207_DUP		Barcode	
Location: Green Branch Upstream of Buck Tyner Rd.			
Latitude	dd dms	Longitude	dd dms
Comments			
Temp (C)		pH	
Diss. Oxygen		Sample Depth	
Matrix (type, e.g., Salt, Fresh, etc)		Collection Date	12/3/19
Comp Grab		Time	1150
Eastern Central		Composite end Date	
mg/L		Total Res. Chlorine	
% sat			
ft		Sp. Conductance	
m		(umho/cm)	
Bottle Group(s) B			

Field/WIN ID FB_12032019		Barcode	
Location: Green Branch Upstream of Buck Tyner Rd.			
Latitude	dd dms	Longitude	dd dms
Comments			
Temp (C)		pH	
Diss. Oxygen		Sample Depth	
Matrix (type, e.g., Salt, Fresh, etc)		Collection Date	12/3/19
Comp Grab		Time	1155
Eastern Central		Composite end Date	
mg/L		Total Res. Chlorine	
% sat			
ft		Sp. Conductance	
m		(umho/cm)	
Bottle Group(s) D			

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
	12/3/19	Fed Ex			

