

RQ-2019-10-07-71

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: 10/16/19 initials: MO
- ☐ Update MAT Date: _____ initials: _____
- ☐ Update "SMP Tracker" Date: 10/18/19 initials: ME
- ☐ Photos put into archive Date: 10/18/19 initials: MO ☐ 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: 10/18/19 initials: ME
- ☒ 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:

249 07-71

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	H. Schmuck	10/16/19	809	23.3	762.9	8.7	8.49	98.6			P / F	L / F
CCV	H. Schmuck	10/16/19	1456	22.5	72.4	8.7	8.56	98.4			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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	H. Schmuck	10/16/19	742	190116A	1/20	1000	1000	P / F	L / F
ICV	H. Schmuck	10/16/19	746	190618A	6/20	100	103.9	P / F	L / F
CCV	H. Schmuck	10/16/19	1454	190618A	6/20	100	104.9	P / F	L / F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 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	10/16/19	750	2811203	10/20	7.	24.2	7.00	273.4	P / F	L / F
Calibr.	H. Schmuck	10/16/19	755	290818	1/21	4.	25.3	4.00	101.5	P / F	L / F
Calibr.	H. Schmuck	10/16/19	805	4904609	9/20	10.	23.5	10.00	101.4	P / F	L / F
ICV	H. Schmuck	10/16/19	807	2811203	10/20	7	23.6	3.92	108.3	P / F	L / F
CCV	H. Schmuck	10/16/19	1446	2811803	10/20	7	26.6	4.08	92.8	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 ± 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: _____

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	10/16/19	812	0.00	0.00	P / F	L / F

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

COMMENTS:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Pine Log Creek upstream of Hwy 79

Date: 10/16/2019
(mm/dd/yyyy)

WIN/ Field ID: G3NW0153

WBID: 526

Latitude: 30.41948

County: Washington

ORG ID: 21FLPNS

Longitude: -85.870752

Receiving Body of Water: East River

RQ-2019-10-07-71

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 <u>ProDSS</u>			
									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# <u>154179</u>				Matrix: <u>Fresh</u> Marine / DI				
Photos: <u>Yes</u> / No <u>2</u> Flow: No Flow / Intestinal / <u>Flowing</u> / 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												
<u>CEN</u>	<u>1015</u>	<u>0.8</u>	<u>0.3</u>	<u>VOB</u>	<u>7.12</u>	<u>83.2</u>	<u>6.17</u>	<u>0.02</u>	<u>43.9</u>	<u>23.4</u>		
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		<u>SA8344070</u>	<u>12/19</u>	<u>202</u>		
Metals		☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO3		<u>WA9099030</u>	<u>4/18</u>	<u><2</u>		
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-CHC / ☒ 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-CAR8-AA				☐ Ice						
Phytoplankton		☐ QTY-QN-C ☐ PKD-QN-C										

Notes:

Pics (up & downstream)

Field/Win ID



G3NW0153

Location:

Pine Log Creek upstream of Hwy 79

Signature:

[Signature]

Date:

10/16/19

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 MC 10/18/19 (Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data In WIN:

(Initials/Date)

(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified

Yes / No

WIN Station Name: Little Black Creek upstream of Black Creek

Date: 10/16/2019
(mm/dd/yyyy)

WIN/ Field ID: G3NW0200

WBID: 719

Latitude: 30.4750900

County: Walton

ORG ID: 21FLPNS

Longitude: -85.9856484
(Decimal Degrees)

Receiving Body of Water: Black Creek

RQ-2019-10-07-71
(Decimal Degrees)

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
HS NM									

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

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

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded

Meter ID# 1547A

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		0.4		V03						
CEN	1050		0.2		7.22	84.5	4.70	0.02	36.4	23.5

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	SA9010030	4/20	<2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3	HA9129678	5/10	<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			
Macroinvertebrates	☐ MI-FW-QLOC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci	☒ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HFL83 ☐ 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-CAR8-AA	☐ Ice			
Phytoplankton	☐ OTY-QN-C ☐ PKD-QN-C				

Notes:

Field/Win ID →
G3NW0200
Location:
Little Black Creek upstream of Black Creek

Signature: [Signature] Date: 10/16/19

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 10/18/19 Migrate Data to WIN: Verify Data In WIN:

(Initials/Date) (Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Seven Runs upstream of Hwy 81

Date: 10/16/2019

(mm/dd/yyyy)

WIN/ Field ID: G3NW0116

WBID: 570

Latitude: 30.53940

County: Walton

ORG ID: 21FLPNS

Longitude: -85.92094548

(Decimal Degrees)

Receiving Body of Water: Choctawhatchee River

RQ-2019- 10-07-71

(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 <u>Prods</u>		
Equipment ID		

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

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded

Meter ID# 164571

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		1.0		0.5						
<u>CEN</u>	<u>1120</u>		<u>0.3</u>		<u>7.18</u>	<u>83.4</u>	<u>4.79</u>	<u>0.02</u>	<u>35.3</u>	<u>23.1</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 ☐ H2SO4	<u>SAB344070</u>	<u>12/12</u>	☐ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <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			
Macroinvertebrates	☐ MF-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 ☐ W-E8321-MS ☐ W-CAR8-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C				

Notes: B Micro only

Field/Win ID → G3NW0116
Location: Seven Runs upstream of Hwy 81

Signature: [Signature] Date: 10/16/19

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 mc 10/18/19 Migrate Data to WIN: _____ Verify Data In WIN: _____
(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: Bay Branch upstream of Hwy 331

Date: 10/16/2019
(mm/dd/yyyy)

WIN/ Field ID: G3NW0171

WBID: 350

Latitude: 30.67828

County: Walton

ORG ID: 21FLPNS

Longitude: -86.12382
(Decimal Degrees)

Receiving Body of Water: Bruce Creek

RQ-2019-10-07-71
(Decimal Degrees)

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
HS AM						☒	☒	☒	☒	☒	☒ Sample Container ☐ Van Dorn ☐ Pole ☐ Carboy ☒ Syringe ☐ Dipper ☐ Other Depth Measured with <u>PROPSS</u> 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# <u>154772</u>					Matrix: <u>Fresh</u> Marine / DI				
Photos: Yes ☒ No ☐ Flow: No Flow / Intestinal / <u>Flowing</u> / NA						Tide: Rising/ Falling/ Slack/ <u>NA</u>					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		0.2		VOB											
CEN	1220		0.1		584	67.9	5.60	0.02	40.1	23.0					
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 ☒ H ₂ SO ₄		SA8344070	12/19	☒ <2					
Metals		☒ W-ICPMS ☒ W-ICP				☒ Ice ☒ HNO ₃		NA8344050	12/19	☒ <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-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-HFL83 ☐ 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		☐ PTY-QN-C ☐ PKD-QN-C				☐ Ice									

Notes:
IF?
Sample 7100m, enter at trail at bank.

Field/Win ID →

G3NW0171

Location:

Bay Branch upstream of Hwy 331

Signature: [Signature]

Date: 10/16/19

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 NO 10/16/19 (Initials/Date) Migrate Data to WIN: _____ (Initials/Date) Verify Data in WIN: _____ (Initials/Date)

Bay Walton County Run

last revised Jan 25, 2018

Central Laboratory Submittal Form

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By: H. Schmidt

Project ID: SMP

Collected By: H. Schmidt; M. Clark

Sampling Agency: NWROC

Loc	Field/Win ID		Barcode		G3NW0153		Latitude		Longitude		Location		Bottle Group(s)	
File	Location:		Pine Log Creek upstream of Hwy 79				☐ dd ☐ dms		☐ dd ☐ dms				(See pg 2)	
WI	Temp (C)		23.4		pH		6.17		Sample Depth		0.3		Sp. Conductance (umho/cm)	
	Salinity (ppt)		0.02		Comments				Diss. Oxygen (mg/L)		7.12		Total Res. Chlorine (mg/L)	
	☐ Comp		☒ Grab		Collection (comp begin or grab)		Date		10/16/19		Time		10:15	
	☐ Matrix (type, e.g., Salt, Fresh, etc)		Fresh											
	☐ Eastern		☒ Central		☐ Western									
	☐ dd		☐ dms											
	☐ Comp		☒ Grab		Collection (comp begin or grab)		Date		10/16/19		Time		10:50	
	☐ Matrix (type, e.g., Salt, Fresh, etc)		Fresh											
	☐ Eastern		☒ Central		☐ Western									
	☐ dd		☐ dms											
	☐ Temp (C)		23.5		pH		4.70		Sample Depth		0.2		Sp. Conductance (umho/cm)	
	Salinity (ppt)		0.02		Comments				Diss. Oxygen (mg/L)		7.22		Total Res. Chlorine (mg/L)	
	☐ dd		☐ dms											
	☐ Comp		☒ Grab		Collection (comp begin or grab)		Date		10/16/19		Time		11:20	
	☐ Matrix (type, e.g., Salt, Fresh, etc)		Fresh											
	☐ Eastern		☒ Central		☐ Western									
	☐ dd		☐ dms											
	☐ Temp (C)		23.1		pH		4.79		Sample Depth		0.3		Sp. Conductance (umho/cm)	
	Salinity (ppt)		0.02		Comments				Diss. Oxygen (mg/L)		7.18		Total Res. Chlorine (mg/L)	
	☐ dd		☐ dms											
	☐ Comp		☒ Grab		Collection (comp begin or grab)		Date		10/16/19		Time		12:20	
	☐ Matrix (type, e.g., Salt, Fresh, etc)		Fresh											
	☐ Eastern		☒ Central		☐ Western									
	☐ dd		☐ dms											
	☐ Temp (C)		23.0		pH		5.60		Sample Depth		0.1		Sp. Conductance (umho/cm)	
	Salinity (ppt)		0.02		Comments				Diss. Oxygen (mg/L)		5.84		Total Res. Chlorine (mg/L)	
	☐ dd		☐ dms											
	☐ Comp		☒ Grab		Collection (comp begin or grab)		Date		10/16/19		Time		12:20	
	☐ Matrix (type, e.g., Salt, Fresh, etc)		Fresh											
	☐ Eastern		☒ Central		☐ Western									
	☐ dd		☐ dms											
	☐ Temp (C)		23.1		pH		4.79		Sample Depth		0.3		Sp. Conductance (umho/cm)	
	Salinity (ppt)		0.02		Comments				Diss. Oxygen (mg/L)		7.18		Total Res. Chlorine (mg/L)	
	☐ dd		☐ dms											
	☐ Comp		☒ Grab		Collection (comp begin or grab)		Date		10/16/19		Time		12:20	
	☐ Matrix (type, e.g., Salt, Fresh, etc)		Fresh											
	☐ Eastern		☒ Central		☐ Western									
	☐ dd		☐ dms											
	☐ Temp (C)		23.0		pH		5.60		Sample Depth		0.1		Sp. Conductance (umho/cm)	
	Salinity (ppt)		0.02		Comments				Diss. Oxygen (mg/L)		5.84		Total Res. Chlorine (mg/L)	
	☐ dd		☐ dms											
	☐ Comp		☒ Grab		Collection (comp begin or grab)		Date		10/16/19		Time		12:20	
	☐ Matrix (type, e.g., Salt, Fresh, etc)		Fresh											
	☐ Eastern		☒ Central		☐ Western									
	☐ dd		☐ dms											
	☐ Temp (C)		23.0		pH		5.60		Sample Depth		0.1		Sp. Conductance (umho/cm)	
	Salinity (ppt)		0.02		Comments				Diss. Oxygen (mg/L)		5.84		Total Res. Chlorine (mg/L)	
	☐ dd		☐ dms											
	☐ Comp		☒ Grab		Collection (comp begin or grab)		Date		10/16/19		Time		12:20	
	☐ Matrix (type, e.g., Salt, Fresh, etc)		Fresh											
	☐ Eastern		☒ Central		☐ Western									
	☐ dd		☐ dms											
	☐ Temp (C)		23.0		pH		5.60		Sample Depth		0.1		Sp. Conductance (umho/cm)	
	Salinity (ppt)		0.02		Comments				Diss. Oxygen (mg/L)		5.84		Total Res. Chlorine (mg/L)	
	☐ dd		☐ dms											
	☐ Comp		☒ Grab		Collection (comp begin or grab)		Date		10/16/19		Time		12:20	
	☐ Matrix (type, e.g., Salt, Fresh, etc)		Fresh											
	☐ Eastern		☒ Central		☐ Western									
	☐ dd		☐ dms											
	☐ Temp (C)		23.0		pH		5.60		Sample Depth		0.1		Sp. Conductance (umho/cm)	
	Salinity (ppt)		0.02		Comments				Diss. Oxygen (mg/L)		5.84		Total Res. Chlorine (mg/L)	
	☐ dd		☐ dms											
	☐ Comp		☒ Grab		Collection (comp begin or grab)		Date		10/16/19		Time		12:20	
	☐ Matrix (type, e.g., Salt, Fresh, etc)		Fresh											
	☐ Eastern		☒ Central		☐ Western									
	☐ dd		☐ dms											
	☐ Temp (C)		23.0		pH		5.60		Sample Depth		0.1		Sp. Conductance (umho/cm)	
	Salinity (ppt)		0.02		Comments				Diss. Oxygen (mg/L)		5.84		Total Res. Chlorine (mg/L)	
	☐ dd		☐ dms											
	☐ Comp		☒ Grab		Collection (comp begin or grab)		Date		10/16/19		Time		12:20	
	☐ Matrix (type, e.g., Salt, Fresh, etc)		Fresh											
	☐ Eastern		☒ Central		☐ Western									
	☐ dd		☐ dms											
	☐ Temp (C)		23.0		pH		5.60		Sample Depth		0.1		Sp. Conductance (umho/cm)	
	Salinity (ppt)		0.02		Comments				Diss. Oxygen (mg/L)		5.84		Total Res. Chlorine (mg/L)	
	☐ dd		☐ dms											
	☐ Comp		☒ Grab		Collection (comp begin or grab)		Date		10/16/19		Time		12:20	
	☐ Matrix (type, e.g., Salt, Fresh, etc)		Fresh											
	☐ Eastern		☒ Central		☐ Western									
	☐ dd		☐ dms											
	☐ Temp (C)		23.0		pH		5.60		Sample Depth		0.1		Sp. Conductance (umho/cm)	
	Salinity (ppt)		0.02		Comments				Diss. Oxygen (mg/L)		5.84		Total Res. Chlorine (mg/L)	
	☐ dd		☐ dms											
	☐ Comp		☒ Grab		Collection (comp begin or grab)		Date		10/16/19		Time		12:20	
	☐ Matrix (type, e.g., Salt, Fresh, etc)		Fresh											
	☐ Eastern		☒ Central		☐ Western									
	☐ dd		☐ dms											
	☐ Temp (C)		23.0		pH		5.60		Sample Depth		0.1		Sp. Conductance (umho/cm)	
	Salinity (ppt)		0.02		Comments				Diss. Oxygen (mg/L)		5.84		Total Res. Chlorine (mg/L)	
	☐ dd		☐ dms											
	☐ Comp		☒ Grab		Collection (comp begin or grab)		Date		10/16/19		Time		12:20	
	☐ Matrix (type, e.g., Salt, Fresh, etc)		Fresh											
	☐ Eastern		☒ Central		☐ Western									
	☐ dd		☐ dms											
	☐ Temp (C)		23.0		pH		5.60		Sample Depth		0.1		Sp. Conductance (umho/cm)	
	Salinity (ppt)		0.02		Comments				Diss. Oxygen (mg/L)		5.84		Total Res. Chlorine (mg/L)	
	☐ dd		☐ dms											
	☐ Comp		☒ Grab		Collection (comp begin or grab)		Date		10/16/19		Time		12:20	
	☐ Matrix (type, e.g., Salt, Fresh, etc)		Fresh											
	☐ Eastern		☒ Central		☐ Western									
	☐ dd		☐ dms											
	☐ Temp (C)		23.0		pH		5.60		Sample Depth		0.1		Sp. Conductance (umho/cm)	
	Salinity (ppt)		0.02		Comments				Diss. Oxygen (mg/L)		5.84		Total Res. Chlorine (mg/L)	
	☐ dd		☐ dms											
	☐ Comp		☒ Grab		Collection (comp begin or grab)		Date		10/16/19		Time		12:20	
	☐ Matrix (type, e.g., Salt, Fresh, etc)		Fresh											
	☐ Eastern		☒ Central		☐ Western									
	☐ dd		☐ dms											
	☐ Temp (C)		23.0		pH		5.60		Sample Depth		0.1		Sp. Conductance (umho/cm)	
	Salinity (ppt)		0.02		Comments				Diss. Oxygen (mg/L)		5.84		Total Res. Chlorine (mg/L)	
	☐ dd		☐ dms											
	☐ Comp		☒ Grab		Collection (comp begin or grab)		Date		10/16/19		Time		12:20	
	☐ Matrix (type, e.g., Salt, Fresh, etc)		Fresh											
	☐ Eastern		☒ Central		☐ Western									
	☐ dd		☐ dms											
	☐ Temp (C)		23.0		pH		5.60		Sample Depth		0.1		Sp. Conductance (umho/cm)	
	Salinity (ppt)		0.02		Comments				Diss. Oxygen (mg/L)		5.84		Total Res. Chlorine (mg/L)	
	☐ dd		☐ dms											
	☐ Comp		☒ Grab		Collection (comp begin or grab)		Date		10/16/19		Time		12:20	
	☐ Matrix (type, e.g., Salt, Fresh, etc)		Fresh											
	☐ Eastern		☒ Central		☐ Western									
	☐ dd		☐ dms											
	☐ Temp (C)		23.0		pH		5.60		Sample Depth		0.1		Sp. Conductance (umho/cm)	
	Salinity (ppt)		0.02		Comments				Diss. Oxygen (mg/L)		5.84		Total Res. Chlorine (mg/L)	
	☐ dd		☐ dms											
	☐ Comp		☒ Grab		Collection (comp begin or grab)		Date		10/16/19		Time		12:20	
	☐ Matrix (type, e.g., Salt, Fresh, etc)		Fresh											
	☐ Eastern		☒ Central		☐ Western									
	☐ dd		☐ dms											
	☐ Temp (C)		23.0		pH		5.60		Sample Depth		0.1		Sp. Conductance (umho/cm)	
	Salinity (ppt)		0.02		Comments				Diss. Oxygen (mg/L)		5.84		Total Res. Chlorine (mg/L)	
	☐ dd		☐ dms											
	☐ Comp		☒ Grab		Collection (comp begin or grab)		Date		10/16/19		Time		12:20	
	☐ Matrix (type, e.g., Salt, Fresh, etc)		Fresh											
	☐ Eastern		☒ Central		☐ Western									
	☐ dd		☐ dms											
	☐ Temp (C)		23.0		pH		5.60		Sample Depth		0.1		Sp. Conductance (umho/cm)	
	Salinity (ppt)		0.02		Comments				Diss. Oxygen (mg/L)		5.84		Total Res. Chlorine (mg/L)	
	☐ dd		☐ dms											
	☐ Comp		☒ Grab		Collection									

Group: A	Bottle Type:	P-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					3
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					3
Group: A	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	NW-UWF-ECQ					3-15 0
						* Sent to Contract Lab UWP
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	HNO3	Enter Number of Bottles Sent to Lab
	W-ICP	Lot #: NA912A070		Lot #: NA9099030		1
	W-ICPMS	Exp: 5/20		Exp: 4/20		or Lot #: NA8344050
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3	Lot #: SA9129100		Lot #: SA8344070		3
	W-NO2NO3	Exp: 5/20		Exp: 12/19		or Exp: 4/20
	W-SA-TP					
	W-TKN					
	W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 4	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F					3
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					170
	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
	CHLSUITE-W					

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

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

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

Lot # : 5A8S44070
Exp: 12/19

sent to
cont lab

