RQ-2019- 11-04-53

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: 11/5/19 initials: MC

☐ Update MAT Date: _____ initials: _____

☒ Update "SMP Tracker" Date: 11/5/19 initials: MC

☐ Photos put into archive Date: _____ initials: _____ ☒ 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: 11/5/19 initials: MC

☒ 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:

Ref:	Date: 21Oct19		SHIPPING:	0.00
Dep:	Wgt: 25.00 LBS		SPECIAL:	0.00
			HANDLING:	0.00
	DV:	0.00	TOTAL:	0.00

Svcs: PRIORITY OVERNIGHT
TRCK: 127A 4000 6A24

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- 2019-11-04-53 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	Barometer 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	M Clark	11/5/19	7:01	22.0	769	8.8	8.76	99.2			(P) / F	(L) / F
CCV	H Schmuke	11/5/19	1239	21.6	769	8.9	8.96	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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	M. Clark	11/5/19	7:03	190116A	1/20	1000	1000	(P) / F	(L) F
ICV	↓	↓	7:05	190618A	6/20	100	101.8	(P) F	(L) F
CCV	H Schmuke	11/5/19	1241	190116A	1/20	1000	986	(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.	M. Clark	11/5/19	7:07	190405E	10/20	7.	21.0	7.02	-7.8	(P) / F	(L) F
Calibr.	↓		7:09	190405F	10/20	4.	21.6	4.00	91.1	(P) F	(L) F
Calibr.			7:11	190409	9/20	10.	20.8	10.00	-231.9	(P) F	(L) / F
ICV	↓		7:13	190405F	10/20	4.0	21.3	3.98		(P) / F	(L) / F
CCV	H Schmuke	11/5/19	1247	190405E	10/20	7	21.6	7.14	-77.7	(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: 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	M Clark	11/5/19	7:15	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:

Form effective August 1, 2018

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: _____ **RQ-** _____ **Project:** _____

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											P / F	L / F
CCV											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.								P / F	L / F
ICV								P / F	L / F
CCV								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.						7.				P / F	L / F
Calibr.						4.				P / F	L / F
Calibr.						10.				P / F	L / F
ICV										P / F	L / F
CCV										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						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:

Form effective August 1, 2018

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified? Yes / No

WIN Station Name: Ten Mile Creek upstream of Pine Forest Road **Date:** 11/05/2019 (mm/dd/yyyy)

WIN/ Field ID: G5NW0051 **WBID:** 489A **Latitude:** 30.54978 (Decimal Degrees)

County: Escambia **ORG ID:** 21FLPNS **Longitude:** 87.31211 (Decimal Degrees)

Receiving Body of Water: Perdido **RQ-2019-** 11-04-53

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

Sampling Equipment
- [x] Sample Container
- [ ] Carboy
- [ ] Dipper
- [ ] Van Dorn
- [ ] Syringe
- [ ] Other
- [ ] Pole

Depth Measured with ProDSS
Equipment ID

Collection Method
- [x] Wading
- [ ] From Shore
- [ ] Other
- [ ] Canoe/Kayak
- [ ] Electric Motor
- [ ] Gasoline Motor

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded **Meter ID#** 154179 **Matrix:** Fresh / Marine / DI

Photos: Yes / No **Flow:** No Flow / Intestital / 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 (PPTh)	Sp COND (µmhos/cm)	Temp. (C°)
EST	0853	0.286	0.14	VOB	8.35	83.1	5.52	0.04	96.3	15.7
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_2SO_4			<2
Metals	W-ICPMS / W-ICP	Ice / HNO_3			<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-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				

Place Preservative Sticker(s) Here (If Available)

Notes:

Field/WIN ID
G5NW0051

Location:
Ten Mile Creek upstream of Pine Forest Road

Signature: H Schmulg **Date:** 11/05/2019

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 MC 11/5/19 (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: Pace Mill Creek upstream of Hwy 90 **Date:** 11/05/19 (mm/dd/yyyy)

WIN/ Field ID: G4NW0481 **WBID:** 420 **Latitude:** 30.593833 (Decimal Degrees)

County: Santa Rosa **ORG ID:** 21FLPNS **Longitude:** -87.174637 (Decimal Degrees)

Receiving Body of Water: Escambia Bay **RQ-2019-** 11-04-53.

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

Sampling Equipment
- [x] Sample Container
- [ ] Carboy
- [ ] Dipper
- [ ] Van Dorn
- [x] Syringe
- [ ] Other
- [ ] Pole

Depth Measured with ProDSS
Equipment ID

Collection Method
- [x] Wading
- [ ] From Shore
- [ ] Other
- [ ] Canoe/Kayak
- [ ] Electric Motor
- [ ] Gasoline Motor

Water Level: Dry/ Pooled/ Low / (Normal) / High / Flooded **Meter ID#** 54179 **Matrix:** (Fresh) / Marine / DI

Photos: Yes / (No) **Flow:** No Flow / Intestital / (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 (PPTh)	Sp COND (µmhos/cm)	Temp. (C°)
EST	0937	0.635	0.3	VOB	7.45	76.9	5.30	0.02	55.2	17.2
(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	[x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[x] Ice [x] H_2SO_4	SA9129100	5/20	[x] <2
Metals	[ ] W-ICPMS [ ] W-ICP	[ ] Ice [ ] HNO_3			[ ] <2
Filtered Nutrients	[x] W-PO4-F [x] Field Filtered 0.45 µm Filter	[x] Ice	169/9633		
Chlorophyll	[x] CHLSUITE-W	[x] Ice			
Physical/Aggregate (Fresh)	[x] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[x] Ice			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[x] E Coli [ ] F Coli [ ] Enterococci	[x] 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				

Place Preservative Sticker(s) Here (If Available)

Notes:

Field/WIN ID → G4NW0481

Location: Pace Mill Creek upstream of Hwy 90

Signature: Heath Schmied **Date:** 11/05/19

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 MC 11/5/19 (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: Direct Runoff-Graveyard Branch @ Tradewinds Dr. **Date:** 11/05/2019 (mm/dd/yyyy)

WIN/ Field ID: G4NW0176 **WBID:** 639 **Latitude:** 30.508777 (Decimal Degrees)

County: Escambia **ORG ID:** 21FLPNS **Longitude:** -87.174722 (Decimal Degrees)

Receiving Body of Water: Escambia Bay **RQ-2019-** 11-04-53

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

Sampling Equipment
- [x] Sample Container
- [ ] Van Dorn
- [ ] Pole
- [ ] Carboy
- [x] Syringe
- [ ] Dipper
- [ ] Other
- Depth Measured with ProDSS
- Equipment ID

Collection Method
- [x] 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 / Intestital / (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 (PPTh)	Sp COND (µmhos/cm)	Temp. (C°)
EST	1051	0.10	0.05	VOB	8.87	93.3	6.62	0.05	114.4	18.4
(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	[x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[x] Ice [x] H_2SO_4	SA91291100	5/20	[x] <2
Metals	[ ] W-ICPMS [ ] W-ICP	[ ] Ice [ ] HNO_3			[ ] <2
Filtered Nutrients	[x] W-PO4-F [x] Field Filtered 0.45 µm Filter	[x] Ice	169/8633		
Chlorophyll	[x] CHLSUITE-W	[x] Ice			
Physical/Aggregate (Fresh)	[x] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[x] Ice			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[x] E Coli [ ] F Coli [ ] Enterococci	[x] 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				

Place Preservative Sticker(s) Here (If Available)

Notes:

Field/WIN ID

G4NW0176

Location:
Direct Runoff-Graveyard Branch @ Tradewinds Dr.

Signature: Heather Schmuck **Date:** 11/05/2019

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 MC 11/5/19 (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)

Request Number: RQ-2019-11-04-53

Pensacola Monthly

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NW-DIST

Project ID: SMP

Requester: Michael King

Field Report Prepared By: H Schmulki

Collected By: M Clark ; H Schmulki

Sampling Agency: FLPWS

Location	Comp / Grab	Collection (comp begin or grab) Date / Time / Eastern / Central	Composite end Date / Time	Bottle Group(s) (See pg 2)
Field/WIN ID: G5NW0051 — Location: Ten Mile Creek upstream of Pine Forest Road	☐ Comp ☒ Grab	Date 11/05/2019 Time 0853 Central		B
	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen 8.35 ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
	Temp (C) 15.7	pH 5.52	Sample Depth 0.14 ☐ ft ☒ m	Sp. Conductance (umho/cm) 96.3
☐ dms	Salinity (ppt) 0.04	Comments		

Location	Comp / Grab	Collection (comp begin or grab) Date / Time / Eastern / Central	Composite end Date / Time	Bottle Group(s)
Field/WIN ID → G4NW0481 — Location: Pace Mill Creek upstream of Hwy 90	☐ Comp ☒ Grab	Date 11/05/2019 Time 0937 Central		A
	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen 7.45 ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
	Temp (C) 17.2	pH 5.30	Sample Depth 0.3 ☐ ft ☒ m	Sp. Conductance (umho/cm) 55.2
☐ dms	Salinity (ppt) 0.02	Comments		

Location	Comp / Grab	Collection (comp begin or grab) Date / Time / Eastern / Central	Composite end Date / Time	Bottle Group(s)
Field/WIN ID G4NW0176 — Location: Direct Runoff-Graveyard Branch @ Tradewinds Dr.	☐ Comp ☒ Grab	Date 11/05/2019 Time 1051 Central		A
	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen 8.87 ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
	Temp (C) 18.4	pH 6.62	Sample Depth 0.05 ☐ ft ☒ m	Sp. Conductance (umho/cm) 114.4
☐ dms	Salinity (ppt) 0.05	Comments		

Location	Comp / Grab	Collection (comp begin or grab) Date / Time / Eastern / Central	Composite end Date / Time	Bottle Group(s)
Field ID	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)
Latitude ☐ dd ☐ dms — Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments		

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
H Schmulki	11/05/19 ; 1600	FedEx	1		

Group:	Bottle Type:	# of Bottles:	Preservative:	Enter Number of Bottles Sent to Lab
A	P-1L	3	ICE	2
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS			
A	BP-1L	3	ICE	2
	CHLSUITE-W			
A	TEST HAS NO BOTTLE	3	ICE	0 * Sent to UWF contract lab
	NW-UWF-ECQ			
A	P-500ML	3	ICE And H2SO4	2
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	SA9129100 5/20		
A	P-125ML	3	FILTER-ICE	2
	W-PO4-F			
B	TEST HAS NO BOTTLE	1	ICE	0 * Sent to UWF contract lab
	NW-UWF-ECQ			
B	QPCR-P-500ML	1	ICE	1
	PCR-BACR PCR-DG3 PCR-HF183			
B	BG-500ML	1	ICE	1
	W-E8321-DI W-E8321-MS			

SAMPLE TRANSMITTAL FORM
Document Reference # 05.1.0

Project: FDEP

Laboratory: Wetlands Research Laboratory

Sampler's intials : HS MC

Method of transport: Drop off on ice by automobile

Page _1_ of _1_

Samples delivered by: [illegible] of FDEP

Date/Time: 11/5/2019 / 1020

Sample received by: [illegible] of WRL

Date/Time: 11/5/2019 / 1020

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.

Lab ID	Sample ID	Matrix[1]	Type[2]	Container Type	Analyses Requested	Preservative	Sample (°C)[3]	Sampling Date/Time
19-45 867	G4NW0481 Pace Mill Creek	SW	G	Sterile plastic	Escherichia coli 18-QT	ice/Na2S2O3	4.8	11/05/19/0937
19-45 868	G5NW0051 Ten Mile Creek	SW	G	Sterile plastic	Escherichia coli 18-QT	ice/Na2S2O3	4.7	11/05/19 / ~~1051~~ 0833 HS 11/5
	~~G4NW0080 Sandy Point Creek~~ HS 11/5/19	~~SW~~	~~G~~	~~Sterile plastic~~	~~Escherichia coli 18-QT~~	~~ice/Na2S2O3~~		
19-45 869	G4NW0176 Graveyard Branch	SW	G	Sterile plastic	Escherichia coli 18-QT	ice/Na2S2O3	10.7	11/05/19/1051

Comments sample container lot# # L19192

RQ-2019- 11-04-53

Contact organization FDEP

Contact name Michael King

Phone: (850) 595-8300

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

Sampler's name: M. Clark

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

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

[3] Recorded using IRT-2