RQ-2019-11-04-54

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: 11/13/19 initials: ML
- ☐ Update MAT Date: _____ initials: _____
- ☒ Update "SMP Tracker" Date: 11/15/19 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: 11/15/19 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:

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: 154171 RQ- 2019-11-04-54 Project: SMP/Cont. Mon

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 10/17/2019

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	H Schmuki	11/13/19	0710	19.4	773.0	9.3	9.35	99.9			(P) F	(L) F
CCV	M. Clark	11/13/19	14:00	17.4	770	9.7	9.79	100.9			(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 Schmuki	11/13/19	0720	~~190118A~~ 190116	9/20	1000	1000	(P) F	(L) F
ICV	H Schmuki	11/13/19	0722	190116A	06/20	100	104.1	(P) F	(L) F
CCV	M. Clark	↓	14:03	190116A	1/20	1000	996	(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 Schmuki	11/13/19	0725	190405E	10/20	7.	18.0	7.02	-74.5	(P) F	(L) F
Calibr.	H. Schmuki	11/13/19	0727	190405F	10/20	4.	19.3	4.00	92.2	(P) F	(L) F
Calibr.	H Schmuki	11/13/19	0729	190409	9/20	10.	20.4	10.06	-233.2	(P) F	(L) F
ICV	H Schmuki	11/13/19	0732	190405F	10/20	4	18.8	3.88	97.3	(P) F	(L) F
CCV	M. Clark	↓	14:05	190405E	10/20	7.0	19.9	6.99	-69.3	(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 ± 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: 10/17/2019
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 Schmuki	11/13/19	7:33	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: 15479 RQ- 2019-11-11-20 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	NM	11/14/19	0630	20.4	770	9.1	9.06	99.1			P / F	L / F
CCV	MC	↓	1530	16.0	770	10.0	10.10	101.1			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.	NM	11/14/19	0635	190116A	1/20	1000	1000	P / F	L / F
ICV	↓	↓	0638	190611BA	6/20	100	104	P / F	L / F
CCV	MC	↓	1535	190509B	5/20	50,000	51,257	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.	NM	11/14/19	0640	190405E	10/20	7.		7.0		P / F	L / F
Calibr.	↓	↓	0642	190405F	10/20	4.		4.0		P / F	L / F
Calibr.	↓	↓	0645	4904E09	9/20	10.		10.0		P / F	L / F
ICV	↓	↓	0650	190405E	10/20	7.0	19.9	7.06	-73.4	P / F	L / F
CCV	MC	↓	1540	4904E09	9/20	10.0	20.1	9.96	-226.2	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	NM	11/14/19	0700	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

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified? Yes / (No)

WIN Station Name: Williams Creek below Frankfort Avenue **Date:** 11/13/2019 (mm/dd/yyyy)

WIN/ Field ID: G4NW0198 **WBID:** 864A **Latitude:** 30.41202 (Decimal Degrees)

County: Santa Rosa **ORG ID:** 21FLPNS **Longitude:** 86.89455 (Decimal Degrees)

Receiving Body of Water: Santa Rosa Sound **RQ-2019-** 11-04-54

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 YSI
- Equipment ID 154179

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	10:36	0.13	0.06	0.13 VOB	8.14	75.5	3.67	0.05	104.3	12.8
(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	16918633		
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	[ ] 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 → G4NW0198

Location: Williams Creek below Frankfort Avenue

Signature: H Schmuck **Date:** 11/13/2019

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 11/15/19 (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: Discharge from Tiger Point Golf Course at Maplewood Drive **Date:** 11/13/2019 (mm/dd/yyyy)

WIN/ Field ID: G4NW0211 **WBID:** 893 **Latitude:** 30.378589 (Decimal Degrees)

County: Santa Rosa **ORG ID:** 21FLPNS **Longitude:** 87.086148 (Decimal Degrees)

Receiving Body of Water: Santa Rosa Sound **RQ-2019-** 11-04-54

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

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

Depth Measured with YSI
Equipment ID 154179

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	1110	0.10	0.05	0.10	4.21	41.5	5.37	0.07	155.2	15.6
(CEN)				VoB						

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			[x] <2
Filtered Nutrients	[x] W-PO4-F [x] Field Filtered 0.45 µm Filter	[x] Ice	16918633		
Chlorophyll	[x] CHLSUITE-W	[x] Ice			
Physical/Aggregate (Fresh)	[ ] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[ ] Ice			
Physical/Aggregate (Marine)	[x] Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	[x] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[ ] E Coli [ ] F Coli [x] 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 G4NW0211

Location: Discharge from Tiger Point Golf Course at Maplewood Drive

Signature: H Schmuki **Date:** 11/13/2019

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 11/13/19 (Initials/Date) Migrate Data to WIN: _____ (Initials/Date) Verify Data In WIN: _____ (Initials/Date)

QA/QC Sample Information

Duplicate

Time Zone: EST (CEN) **Time:** 1118 **Field ID:** G4NW0211_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_2SO_4	SA9129100	5/20	☐ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO_3			☐ <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			
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			

Place Preservative Sticker(s) Here (If Available)

Blank

Time Zone: EST (CEN) **Time:** 1125 **Field ID:** FB_13112019 (Blank Type_DDMMYYYY)

DI Source: HS ~~N~~ Carboy NW Lab Ice Room **Location:** Discharge from ~~NW Lab~~ Tiger Point Golf Course...

☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank **Equipment ID:** NW Roc 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_2SO_4	SA 9129100	5/20	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO_3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	16918633		
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:

Field ID → G4NW0211_DUP

Location: Discharge from Tiger Point Golf Course at Maplewood Drive

WIN ID → G4NW0211

Field ID: FB_13112019

Location: Discharge from Tiger Point Golf Course at Maplewood Drive

Signature: [signature] **Date:** 11/13/19

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 11/15/19 (Initials/Date) Migrate Data to WIN: _____ (Initials/Date) Verify Data In WIN: _____ (Initials/Date)

Request Number: RQ-2019-11-04-54

Navarre Run

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NW-DIST

Project ID: SMP

Requester: Michael King

Collected By: M Clark

Field Report Prepared By: H Schmuck

Sampling Agency: FLPNS

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 → G4NW0198 Location: Williams Creek below Frankfort Avenue	☐ Comp ☒ Grab	Date 11/13/2019 Time 1036 Central		A
	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen 8.14 ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
	Temp (C) 12.8	pH 3.67	Sample Depth 0.06 ☐ ft ☒ m	Sp. Conductance (umho/cm) 104.3
☐ dd ☐ 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/WIN ID G4NW0211 Location: Discharge from Tiger Point Golf Course at Maplewood Drive	☐ Comp ☒ Grab	Date 11/13/2019 Time 1110 Central		B
	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen 4.21 ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
	Temp (C) 15.6	pH 5.37	Sample Depth 0.05 ☐ ft ☒ m	Sp. Conductance (umho/cm) 155.2
☐ dd ☐ dms	Salinity (ppt) 0.07	Comments		

Location	Comp / Grab	Collection (comp begin or grab) Date / Time / Eastern / Central	Composite end Date / Time	Bottle Group(s)
Field ID → G4NW0211_DUP Location: Discharge from Tiger Point Golf Course at Maplewood Drive **WIN ID →** G4NW0211	☐ Comp ☒ Grab	Date 11/13/2019 Time 1118 Central		B
	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
	Temp (C)	pH	Sample Depth ☐ ft ☒ m	Sp. Conductance (umho/cm)
☐ dd ☐ dms	Salinity (ppt)	Comments		

Location	Comp / Grab	Collection (comp begin or grab) Date / Time / Eastern / Central	Composite end Date / Time	Bottle Group(s)
Field ID: FB_13112019 Location: Discharge from Tiger Point Golf Course at Maplewood Drive	☐ Comp ☒ Grab	Date 11/13/2019 Time 1125 Central		C
	Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)
☐ dd ☐ dms	Salinity (ppt)	Comments		

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
H Schmuck	11/13/2019; 1600	Fedex	1		

Group:	Bottle Type:	# of Bottles:	Preservative:	Enter Number of Bottles Sent to Lab
A	P-1L	1	ICE	1
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS			
A	BP-1L	1	ICE	1
	CHLSUITE-W			
A	P-500ML	1	ICE And H2SO4	1
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC		H2SO4 LOT# SA9129100 EXP: 05/09/2020	
A	P-125ML	1	FILTER-ICE	1
	W-PO4-F			
B	P-1L	2	ICE	2
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS			
B	BP-1L	2	ICE	2
	CHLSUITE-W			
B	TEST HAS NO BOTTLE	2	ICE	0
	NW-UWF-ENQ			*sent to UWF contract lab
B	P-500ML	2	ICE And H2SO4	2
	W-NH3 W-NO2NO3 W-S-A-TP			

Group:	Bottle Type:	# of Bottles:	Preservative:	Enter Number of Bottles Sent to Lab
B	P-500ML	2	ICE And H2SO4 H2SO4 LOT# SA9129100 EXP: 05/09/2020	2
	W-TKN W-TOC			
B	P-125ML	2	FILTER-ICE	2
	W-PO4-F			
B	BG-1L	6	ICE	0
	W-PSNP-TQ			
C	P-1L	1	ICE	1
	ALKALINITY TURBIDITY W-BR-IC W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS			
C	P-500ML	1	ICE And H2SO4 H2SO4 LOT# SA9129100 EXP: 05/09/2020	1
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
C	P-125ML	1	FILTER-ICE	1
	W-PO4-F			

SAMPLE TRANSMITTAL FORM
Document Reference # 05.1.0

Project: FDEP

Method of transport: Drop off on ice by automobile

Samples delivered by: H Schmuld of FDEP

Sample received by: [signature] of WRL

Laboratory: Wetlands Research Laboratory

Sampler's intials : MC

Page _1_ of _1_

Date/Time: 11/13/19 / 1229

Date/Time: 11/13/19 / 1229

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
19-45892	G4NW0211 Direct Runoff to Bay	SW	G	Sterile plastic	Enterolert 24-QT	ice/Na2S2O3	3.6	11/13/19 ; 1110
19-45893	G4NW0211_DUP Direct Runoff to Bay	SW	G	Sterile plastic	Enterolert 24-QT	ice/Na2S2O3	4.0	11/13/19 ; 1118
HS	~~G4NW0198 Williams Creek~~	~~SW~~	~~G~~	~~Sterile plastic~~	~~Escherichia coli 18-QT~~	~~ice/Na2S2O3~~		~~11/13/19 ; 1036~~
11/13/2019								

Comments sample container lot# # L19192

RQ-2019-11-04-54

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 = G

[3] Recorded using IRT-2