

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: PLO PSS

RQ: 2019-07-01-14

Project: Naasau West

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 6/2019

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.	C. Ruben	7-11-19	745	23.5	757	8.5	8.45	100%	-	-	(P) F	(L) F
ICV	↓	↓	746	23.6	757	8.5	8.45	99.6%	-	-	(P) F	(L) F
CCV	AKalmbacher	7-11-19	1315	24.2	756.2	8.3	8.31	98.9	-	-	(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 #	Explr. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	C. Ruben	7.11.19	0748	190430A	5/2020	1000	995	(P) F	(L) F
ICV	↓	↓	0750	190319B	3/2020	100	103.5	(P) F	(L) F
CCV	AKalmbacher	7-11-19	1317	190430A	5/2020	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 #	Explr. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	C. Ruben	7.11.19	0752	2904CS4	3/2021	7.	24.6	6.99	-57.8	(P) F	(L) F
Calibr.	↓	↓	0755	2901A40	1/2021	4.	24.6	3.95	120.1	(P) F	(L) F
Calibr.	↓	↓	0757	2901B51	7/20	10.	24.7	9.97	-232	(P) F	(L) F
ICV	↓	↓	0759	2901B51	7/20	10.0	24.7	10.00	-232.1	(P) F	(L) F
CCV	AKalmbacher	7-11-19	1320	2904B00	3/2021	4.0	24.3	4.02	118.4	(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 _____, 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: 6/2019

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	C. Ruben	7/11/19	0805	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:

Duplicate

Time Zone:	EST	CEN	Time:	0940	Field ID:	
(WIN_ID_DUP)						
WIN DMT Activity ID:						
Parameter Suite	Parameter Methods			Preservation	Lot#	Expiration
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP			☒ Ice ☒ H ₂ SO ₄	SA8344070	12/2019
Metals	☒ W-ICPMS ☒ W-ICP			☒ Ice ☒ HNO ₃	NA9099030	4/2020
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 µm Filter			☒ Ice	R9B86875	
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		
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: 0950		Field ID: _____	
DI Source: NE ROC LAB				Location: _____	
☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank		Equipment ID: Ortho Kit 7			
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	SA8344070	12/2019	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO ₃	NA8344050	12/2019	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	R9DA86875		
Physical/Aggregate (Fresh)	☒ Alkalinity / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY / ☐ W-Cl-IC / ☐ W-COLOR / ☐ W-SO4-IC / ☐ W-TDS	☒ Ice	Contains: 1:1 HNO3 Lot No: NA8344050 Expires: 12/10/19 See Safety Data Sheet (SDS) Contains: 1:1 H2SO4 Lot No.: SA8344070 Expires: 12/10/19 See Safety Data Sheet (SDS)		
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			

Field ID: 19010136 DUP

Location: DAUGHTERY BR @ CREWS RD

WIN ID: 19010136

DAUGHTERY BR @ CREWS RD

Field ID: FB 07112019

Signature: *[Signature]*

Date: 7-11-2019

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: _____
(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: ST MARYS S PRONG @ CR 23C

Date: 07/11/2019

(mm/dd/yyyy)

WIN/ Field ID: 19010023

WBID: 2247A

Latitude: 30.33584

(Decimal Degrees)

County: Nassau

ORG ID: 21FLA

Longitude: -82.14423

(Decimal Degrees)

Receiving Body of Water: St. Mary South Prong

RQ-2019- 07-01-14

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Cheyanne Ruben						X	X	X			☒ Sample Container	☐ Van Dorn	☒ Pole		
Amy Kalmbacher							X	X			☐ Carboy	☐ Syringe			
											☐ Dipper	☐ Other			
											Depth Measured with <u>meter</u>				
											Equipment ID <u>Ortho # 7</u>				
											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>PRO DSS</u>			Matrix: <u>Fresh</u> Marine / DI						
Photos: Yes / <u>No</u>		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 (umhos/cm)	Temp. (C°)					
<u>EST</u>	<u>1015</u>	<u>0.43</u>	<u>0.3</u>	<u>0.43</u>	<u>5.60</u>	<u>68.2%</u>	<u>7.08</u>	<u>0.09</u>	<u>192.4</u>	<u>25.3</u>					
CEN				<u>5</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#	AK	Expiration	pH Check				
Preserved Nutrients		☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-TOC / ☒ W-S-A-TP				☒ Ice ☒ H2SO4		<u>NA8344050</u>		<u>12/2019</u>	☐ <2				
Metals		☒ W-ICPMS ☒ W-ICP				☒ Ice ☒ HNO3		<u>NA8344070</u>			☐ <2				
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 um Filter				☒ Ice		<u>R9BA86875</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		Contains: 1:1 HNO3 Lot No.: NA8344050 Expires: 12/10/19 See Safety Data Sheet (SDS)							
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				☐ Ice									

Notes:

WIN ID/Field ID:



19010023

ST MARYS S PRONG @ CR 23C

Signature:

Kalmbacher

Date:

7-11-2019

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:

(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: ST MARYS S PRONG @ US 90

Date: 07/11/2019
(mm/dd/yyyy)

WIN/ Field ID: 19010021

WBID: 2247

Latitude: 30.27927

(Decimal Degrees)

County: Nassau

ORG ID: 21 FLA

Longitude: - 82.14523

(Decimal Degrees)

Receiving Body of Water: St. Marys River South prong

RQ-2019- 07-01-14

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Cheyanne Ruben							X					☒ Sample Container	☐ Van Dorn	☒ Pole	
Amy Kalmbacher						X		X		X		☐ Carboy	☐ Syringe		
												☐ Dipper	☐ Other		
												Depth Measured with <u>water</u>			
												Equipment ID <u>Ortho Kit 7</u>			
											Collection Method				
											☐ Wading	☐ Canoe/Kayak			
											☒ From Shore	☐ Electric Motor			
											☐ Other	☐ Gasoline Motor			
Water Level: Dry/ Pooled/ Low <u>Normal</u> High / Flooded						Meter ID# <u>Pro DSS</u>					Matrix: <u>Fresh</u> / Marine / DI				
Photos: Yes <u>No</u> 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 (umhos/cm)	Temp. (C°)					
<u>EST</u>	<u>1055</u>	<u>0.81</u>	<u>0.3</u>	<u>0.8</u>	<u>4.0</u>	<u>49</u>	<u>6.75</u>	<u>0.11</u>	<u>239</u>	<u>25.8</u>					
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		<u>SA8344070</u>		<u>12/2019</u>		☒ <2		
Metals		☒ W-ICPMS ☒ W-ICP					☒ Ice ☒ HNO3		<u>NA8344050</u>		<u>12/2019</u>		☒ <2		
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 um 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 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:

Signature: [Signature]

WIN ID/Field ID:



19010021

ST MARYS S PRONG @ US 90

Date: 7-11-2019

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: Daughtery Branch @ Crews Rd

Date: 07/11/2019

(mm/dd/yyyy)

WIN/ Field ID: 19010136

WBID: 2236

Latitude: 30.36183

(Decimal Degrees)

County: Nassau

ORG ID: 21 FLA

Longitude: -82.21405

(Decimal Degrees)

Receiving Body of Water: Cedar River

RQ-2019- 07-01-14

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Cheyanne Ruben						X				☒ Sample Container	☐ Van Dorn	☒ Pole		
Amy Kalmbacher					X		X			☐ Carboy	☐ Syringe			
										☐ Dipper	☐ Other			
										Depth Measured with <u>Secchi</u>				
										Equipment ID <u>Ortho Kit 7</u>				
										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>Pro DSS</u>					Matrix: <u>Fresh</u> / Marine / DI				
Photos: Yes / <u>No</u>		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°)				
<u>EST</u>	<u>0935</u>	<u>0.1</u>	<u>0.05</u>	<u>0.1</u>	<u>5.5</u>	<u>67</u>	<u>6.92</u>	<u>0.07</u>	<u>149</u>	<u>24</u>				
CEN				<u>S</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>12/2019</u>	<u>X</u> <2					
Metals	☒ W-ICPMS ☒ W-ICP					☒ Ice ☒ HNO3	<u>NA8344050</u>	<u>12/2019</u>	<u>X</u> <2					
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter					☒ Ice	<u>R18486875</u>							
Chlorophyll	☒ CHLSUTE-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 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:

WIN ID/Field ID:



19010136

DAUGHTERY BR @ CREWS RD

Signature: A. Kalmbacher

Date:

7-11-2019

LIMS EVENT ID:

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

(Initials/Date)

(Initials/Date)

Scan/Save Field Sheets

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: BRANDY BRANCH AT CR 121

Date: 07/11/2019

(mm/dd/yyyy)

WIN/ Field ID: 19010063

WBID: 2226

Latitude: 30.27927

(Decimal Degrees)

County: Nassau

ORG ID: 21FLA

Longitude: -82.14523

(Decimal Degrees)

Receiving Body of Water: St. Mary River

RQ-2019- 07-01-14

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Cheyanne Ruben											☐ Sample Container	☐ Van Dorn	☐ Pole		
Amy Kalmbacher											☐ Carboy	☐ Syringe			
											☐ Dipper	☐ Other			
											Depth Measured with _____				
											Equipment ID _____				
											Collection Method				
											☐ Wading	☐ Canoe/Kayak			
											☐ From Shore	☐ Electric Motor			
											☐ Other	☐ Gasoline Motor			
Water Level: Dry/ Pooled/ Low / Normal / High / Flooded						Meter ID#				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	1140														
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 ☐ H2SO4				☐ <2					
Metals	☐ W-ICPMS ☐ W-ICP					☐ Ice ☐ HNO3				☐ <2					
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter					☐ Ice									
Chlorophyll	☐ CHLSUTE-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					☐ Ice									
Notes: Dry - discontinuous flow DID NOT SAMPLE															
Signature: _____								Date: _____							
WIN ID/Field ID: 19010063 BRANDY BRANCH AT CR 121															

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: _____

(Initials/Date) (Initials/Date) (Initials/Date)

Nassau West

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. ParrishField Report Prepared By: A. Kalmbacher

Project ID: SMP

Collected By: C. RubenSampling Agency: FDLP/NE ROL

WIN ID/Field ID:		19010023	ST MARYS S PRONG @ CR 23C	☐ Comp ☒ Grab Collection (comp begin or grab) Date <u>7-11-2019</u> Time <u>1015</u>	☒ Eastern ☐ Central Composite end Date _____ Time _____	Bottle Group(s) (See pg 2) <u>A</u>
			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
			Temp (C) <u>25.3</u>	pH <u>7.08</u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u>192.4</u>
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms			Salinity (ppt) <u>0.09</u>	Comments		
WIN ID/Field ID:		19010021	ST MARYS S PRONG @ US 90	☐ Comp ☒ Grab Collection (comp begin or grab) Date <u>7-11-2019</u> Time <u>1055</u>	☒ Eastern ☐ Central Composite end Date _____ Time _____	Bottle Group(s) <u>A</u>
			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
			Temp (C) <u>25.8</u>	pH <u>6.75</u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u>239</u>
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms			Salinity (ppt) <u>0.11</u>	Comments		
WIN ID/Field ID:		19010063	BRANDY BRANCH AT CR 121	☐ Comp ☐ Grab Collection (comp begin or grab) Date _____ Time _____	☐ Eastern ☐ Central Composite end Date _____ Time _____	Bottle Group(s) <u>C</u>
			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
			Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms			Salinity (ppt)	Comments <u>DID NOT SAMPLE</u>		
Field ID:		FB 07112019	DAUGHTERY BR @ CREWS RD	☐ Comp ☒ Grab Collection (comp begin or grab) Date <u>7-11-2019</u> Time <u>0935</u>	☒ Eastern ☐ Central Composite end Date _____ Time _____	Bottle Group(s) <u>AAR</u> <u>B</u>
			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
			Temp (C) <u>24.0</u>	pH <u>6.92</u>	Sample Depth <u>0.05</u>	Sp. Conductance (umho/cm) <u>149</u>
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms			Salinity (ppt) <u>0.07</u>	Comments		

Relinquished By: <u>[Signature]</u>	Date/Time: <u>7-11-2019</u>	Shipping Method: <u>FedEx</u>	Number of Coolers Shipped: <u>2</u>	Received By: _____	Date/Time: _____
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1400

Group: A	Bottle Type:	P-1L	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
	ALKALINITY					
	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	3
	CHLSUITE-W					
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	3
	NE-ALS-ECQ					→ Sent to Contract
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative: HNO3	Enter Number of Bottles Sent to Lab	Lab
	W-ICP					
	W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	4
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 4	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	4
	W-PO4-F					
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					

Nassau West

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. Parrish

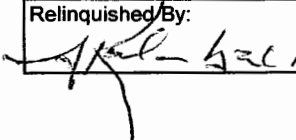
Field Report Prepared By: A. K. Ambacher

Project ID: SMP

Collected By: C. Ruben

Sampling Agency: FDEP/NE ROC

WIN ID/Field ID:	 19010136	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7-11-2019 Time 0935	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)
DAUGHTERY BR @ CREWS RD		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 5.5	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
Temp (C) 24.0		pH 6.92		Sample Depth 0.05	☐ ft ☒ m	Sp. Conductance (umho/cm) 149	
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) 0.07	Comments		
Field ID:	 19010136 DUP	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7-11-2019 Time 0940	Eastern Central	Composite end Date	Time	Bottle Group(s)
Location: DAUGHTERY BR @ CREWS RD		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	BK A
WIN ID:  19010136		Temp (C) 24.0		pH 6.92	Sample Depth 0.05	☐ ft ☒ m	Sp. Conductance (umho/cm) 149
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) 0.07	Comments		
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date	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		
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date	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: 7-11-2019 1400	Shipping Method: FedEx	Number of Coolers Shipped: 2	Received By:	Date/Time:
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Group: A	Bottle Type:	P-1L	# of Bottles: 4	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: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	NE-ALS-ECQ					
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	HNO3	Enter Number of Bottles Sent to Lab _____
	W-ICP					
	W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
	W-NH3					
	W-NO2NO3					
	W-S-A-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					
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: P-500ML # of Bottles: 1 Preservative: HNO₃ Enter Number of Bottles Sent to Lab 1

W-ICP
W-ICPMS

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

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

W-PO₄-F

Group: C Bottle Type: P-250ML-WI-THI # of Bottles: 1 Preservative: ICE Enter Number of Bottles Sent to Lab 0

NE-ALS-ECQ

↪ DID NOT
COLLECT



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

SR#

CAS Contract

9143 Phillips Highway, Ste 200 • Jacksonville, FL 32256 (904) 739-2277 • 800-695-7222 x06 • FAX (904) 739-2011

PAGE 1 OF 1

Project Name <u>Interdiction 2</u>		Project Number <u>2019-03-25-10</u>		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																
Project Manager <u>Jeremy Harris</u>		Email Address		PRESERVATIVE <u>8</u>																
Company/Address <u>FDEP</u>		FAX #		NUMBER OF CONTAINERS <u>E. Coli</u>																Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other <u>USE</u>
<u>8800 Baymeadows Way West</u>																				
<u>Jax, FL 32256</u>																				
Phone # <u>904-256-1700</u>		FAX #																		
Sampler's Signature <u>[Signature]</u>		Sampler's Printed Name <u>Amy Kalmbacher</u>		REMARKS/ ALTERNATE DESCRIPTION																
CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	TIME	MATRIX																
<u>19010136</u>		<u>7-11-19</u>	<u>0935</u>	<u>SW</u>	<u>Fresh</u>															
<u>19010136 DUF</u>		<u>1</u>	<u>0940</u>																	
<u>19010023</u>		<u>1</u>	<u>1015</u>																	
<u>19010021</u>		<u>1</u>	<u>1055</u>																	
SPECIAL INSTRUCTIONS/COMMENTS <u>0.0^{cc}</u>					TURNAROUND REQUIREMENTS <u>RUSH (SURCHARGES APPLY)</u> STANDARD REQUESTED FAX DATE REQUESTED REPORT DATE				REPORT REQUIREMENTS <u>I. Results Only</u> <u>II. Results + QC Summaries (LCS, DUP, MS/MSD as required)</u> <u>III. Results + QC and Calibration Summaries</u> <u>IV. Data Validation Report with Raw Data</u> <u>V. Specialized Forms / Custom Report</u> Edata <u>Yes</u> <u>No</u>				INVOICE INFORMATION PO # BILL TO:							
See QAPP ☐																				
SAMPLE RECEIPT: CONDITION/COOLER TEMP:					CUSTODY SEALS: Y N															
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY						
Signature <u>[Signature]</u>		Signature <u>[Signature]</u>		Signature		Signature		Signature		Signature		Signature		Signature						
Printed Name <u>Amy Kalmbacher</u>		Printed Name <u>SEAN DRAKE</u>		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name						
Firm <u>FDEP/AF. ROC</u>		Firm <u>ALS</u>		Firm		Firm		Firm		Firm		Firm		Firm						
Date/Time <u>7-11-2019</u>		Date/Time <u>7/11/19 1236</u>		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time						