

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: Stitch

RQ: 2021-06-28-13

Project: SMP Nassau North

Boat

- 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 5/17/21

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.	Kim Appleby	6/29/21	816	19.8	766.6	9.2	-	100.9	-	1.024	(P) F	(L) F
ICV	↓	↓	818	19.8	766.6	9.2	9.22	101.1	-	1.024	(P) F	(L) F
CCV	↓	↓	1533	24.2	765.6	8.5	8.50	101.4	-	1.024	(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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Kim Appleby	6/29/21	820	210426B	5/22	1000	1000	(P) F	(L) F
ICV	↓	↓	821	210426A	5/22	100	101.4	(P) F	(L) F
CCV	↓	↓	1535	210426L	5/22	1413	1407	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Kim Appleby	6/29/21	824	2012E39	12/22	7.00	17.7	7.03	-27.0	(P) F	(L) F
Calibr.	↓	↓	826	2103659	3/23	4.00	17.8	4.00	151.9	(P) F	(L) F
Calibr.	↓	↓	827	2103F53	9/22	10.00	17.7	10.00	-141.8	(P) F	(L) F
ICV	↓	↓	830	2012C39	12/22	4.00	17.8	4.02	150.9	(P) F	(L) F
CCV	↓	↓	1537	2012E39	12/22	7.00	19.2	7.09	-26.0	(P) F	(L) F
CCV										P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ; mV pH 4 Range +180 ± 50 ; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 170.8, slope from 4 to 7 175.9 (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: 5/17/21

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	Kim Appleby	6/29/21	832	0.00	0.00	(P) F	(L) F

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

COMMENTS:

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 6/29/2021
Customer: NE-DIST
RQ: RQ-2021-06-28-13

Collected By: Kelly McDonald, Kimberly Appleby
Sampling Agency: FDEP
Project ID: SMP

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL
FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB

Number of Coolers Shipped: 1

Delivery Method: FedEx

FIELD ID (Labels) submitted under this RQ for this collection date.

Site Location	Field ID/WIN ID
Plummer Creek @ Second Island	 G4NE0301
SMR 0.3 MI S TRACY RD	 19010156
SMR 3.2 MI S TRACY RD	 19010157

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 6/29/2021
1600EST

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:

Rec'd/Inspected Date:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End
of Day CCV
☒ Yes / ☐ No

WIN Station Name: SMR 0.3 MI S TRACY RD

Date: 6/29/2021

WIN/Field ID: 19010156

WBID: 2097E

ENR: -

Latitude: 30.7794

County: NASSAU

Org ID: 21FLA

Longitude: -82.02

Receiving Body of Water: Nassau - St. Marys

RQ: 2021-06-28-13

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Kelly McDonald	x		x		
☒	Kimberly Appleby		x		x	x
☐						
☐						

Sampling Equipment	
☒ Sample Container	☐ Carboy
☐ Dipper	☐ Van Dorn
☐ Syringe	☒ Pole
Depth measured with: Meter	
Secchi Equipment ID:	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☒ Gasoline Motor

Water Level: ☐ Normal ☐ Low ☒ High ☐ Dry ☐ Pooled ☐ Flooded						Meter ID# STICH	
Photos: NO		Flow: FLOW		Tide: FALLING		Tide Times: High: 0412 Low: 1100	
Biological Samples Collected:		☒ None	☐ HA	☐ SCI	☐ RPS	☐ Algae ID	☐ LVS ☐ LVI Other:
SBIO ID Numbers:							
Notes: HIGH WATER DUE TO RECENT RAIN. CODE R							

Duplicate Sample

Time Zone: EST	Time:	Field ID: N/A	(WIN ID_DUP)
WIN DMT Activity ID:			

Blank

Time Zone:	Time:	Field ID:	(Blank Type_DDDMMYY)
DI Source:		Location:	
DI Type:		Equipment ID:	
DI Container (Name/ID):		DI Container Type:	

LIMS EVENT ID:	WIN Import ID:		
Enter Field Parameters, Verify Station ID In LIMS DMT:		QC Station ID, Field Parameters In LIMS DMT:	BD 07/07/2021
(Initials/Date)		(Initials/Date)	
Scan/Save Field Sheets	Migrate Data to WIN:	Verify Data In WIN:	
(Initials/Date)	(Initials/Date)	(Initials/Date)	(Initials/Date)



RQ-2021-06-28-13

Customer: WQAP

Project ID: SMP

Collected By: Kelly McDonald, Kimberly Appleby

Field Report Prepared By: Kelly McDonald

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



19010156

Location: SMR 0.3 MI S TRACY RD

Comments:

no secchi due to high flow

Matrix: Fresh

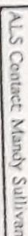
(Check one)

☒ GRAB☐ COMPOSITE

Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT _h)			
	1240 EST	6.05	73.2	25	5.01	0.3	0 ☐ VOB (S)	2.277	58.1	0.03			
6/29/2021							Central Lab please use top row for login purposes						
	1245 EST	6.03	73	25	5	1.777			58.1	0.03			
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group			
Preserved Nutrients (P-500ML)		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice ☒ H2SO4*		☒ <2	1	B			
		Lot #	Sa0293040		Exp:	10.19.21							
Metals (P-500ML)		☒ W-ICPMS ☒ W-ICP ☒ W-HARD				☒ Ice ☒ HNO3*		☒ <2	1	B			
		Lot #	Na0344060		Exp:	1.4.22							
Filtered Nutrients (P125ML)		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice			1	B			
		Filter Lot #	R0nb29490										
		Syringe Lot #											
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice			1	B			
Physical/Aggregate (Fresh) (P-1L)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS				☒ Ice			1	B			
Physical/Aggregate (Marine) (P-1L)		☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☐ Ice							
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC	Formalin Lot #			☐ Formalin							
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice							
Microbiology (Contract Lab Bottle)		☒ E Coli ☐ F Coli ☒ Enterococci ☐ Contract Lab				☒ Ice			1	B			
Molecular (QPCR-P-500ML)		☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD				☐ Ice							
Tracers (BG-500ML)		☐ W-E8321-DI ☐ W-E8321-MS				☐ Ice							
Pesticides (BG-500ML) (BG-1L)		☐ W-E8321-DI	☐ WE8321-MS	☐ W-PSNP-TQ	☐ W-CT-CL-R	☐ Ice							
		☐ W-PCL-TQ-R	☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)										
Phytoplankton/Periphyton					DTY-QN-C PKD-QN-BV	☐ Ice							
Name: Kelly McDonald Kimberly Appleby					Signature: <i>Kelly A. McDonald</i>					Date: 6/29/2021			

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR 11

ALS Contact Mandy Sullivan

[illegible]