



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End
of Day CCV
Yes / No

WIN Station Name: Plummer Creek @ Second Island **Date:** 11/24/2020
WIN/Field ID: G4NE0301 **WBID:** 2130 **ENR:** **Latitude:** 30.5796
County: NASSAU **Org ID:** 21FLA **Longitude:** -81.6564
Receiving Body of Water: Nassau - St. Marys **RQ:** 2020-11-23-37

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Brian Davis		x		x	x
☒	Kimberly Applebee		x	x		
☐						
☐						

Sampling Equipment	
☒ Sample Container	☐ Carboy
☐ Dipper	☐ Van Dorn
☐ Syringe	☐ Pole
Depth measured with: Sonar	
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# STITCH					
Photos: No		Flow: FLOW		Tide: FALLING		Tide Times: High: 0830 Low:					
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:											
SBIO ID Numbers:											
Notes:											

Duplicate Sample

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

Blank

Time Zone:	Time: N/A	Field ID: N/A	(Blank Type_DDMYYYY)
DI Source: N/A		Location: N/A	
DI Type: N/A		Equipment ID: N/A	

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 BD 11/24/2020 Migrate Data to WIN: Verify Data In WIN:
(Initials/Date) (Initials/Date) (Initials/Date)



RQ-2020-11-23-37

Customer: WQAP

Project ID: SMP

Collected By: Brian Davis, Kimberly Applebee

Field Report Prepared By: Brian Davis

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



G4NE0301

Location: Plummer Creek @ Second Island

Comments:

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 (PPTH)
11/24/2020	11:10 12:10 MB EST	6.69	72.6	19	6.79	0.3	0.45 ☐ VOB (S)	2.4	479.7	0.23

Central Lab please use top row for login purposes

	11:12 12:12 MB EST	6.34	68.5	19	6.57	1.95			478.7	0.23
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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 Lot # SA0038110 Exp: 2/7/21	☒ Ice ☒ H2SO4*	☒ <2	1	B
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP ☐ W-HARD Lot # Exp:	☐ Ice ☐ HNO3* ☐ <2			
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter Filter Lot # R9NA98003 Syringe Lot #	☒ Ice		1	B
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			
Physical/Aggregate (Marine) (P-1L)	☒ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☒ Ice		1	B
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ 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 ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)	☐ Ice			
		☐ Ice			

Name:
Brian Davis
Kimberly Applebee

Signature:

Brian Davis

Date:

11/24/2020

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SMP CONTINUOUS MONITORING SHEET

August 2017

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Data Qualified?
Yes / No

STORET Station Name: Plummer Creek @ Second Island

WBID: 2130

STORET Station ID: G4NE0301

ORG ID: 21FLA

Field ID: _____ County: Nassau

RQ - 2020-11-23-37

Meter ID# : <u>3AD</u>			
Pre-Deployment Setup			
Date: <u>11/17/20</u>		Performed by: <u>Brian Davis</u>	
Parameters Recorded: ☒ Date ☒ Time ☒ Temp. (C°) ☒ Op. Cond. ☒ DOSAT ☒ DO (mg/L) ☐ pH ☒ Depth			
Sampling Interval (min): <u>15 min</u>	Free Memory (days): <u>240 days</u>	Expected Battery Life: <u>202.0 days</u>	Programmed Duration: <u>365 days</u>
Sonde Filename: <u>PC111720</u>			Reset Clock? (Y or N) <u>N</u>
Programmed Start Date/Time: <u>11/17/20</u> (mm/dd/yyyy) <u>1200</u> (hh:mm:ss) (Cent. / <u>East</u>)			Wipers Park Correctly? <u>Y</u>
Programmed End Date/Time: <u>11/24/20</u> (mm/dd/yyyy) <u>~1200</u> (hh:mm:ss) (Cent. / <u>East</u>)			Calibration Date <u>11/17/20</u>

Deployment			
Date: <u>11/17/20</u>		Time Into Water: <u>1040</u>	
Time Zone: Cent. / <u>East</u>			
Deployed Sonde Latitude:		Deployed By: (print all staff present)	<u>BD JP</u>
Deployed Sonde Longitude:			
Notes: (how to get to, landmarks, site considerations & concerns, etc.)			
Photos: Yes / <u>No</u>			

Retrieval			
Date: <u>11/24/20</u>		Time Out Of Water: <u>1110</u>	
Time Zone: Cent. / <u>East</u>			
Mounting left or removed?	<u>Removed</u>	Retrieved By:	<u>BD / KA</u>
Notes: (significant fouling, signs of human disturbance, site considerations and concerns, etc.)			
<u>Sonde anchor line was caught on bottom. Difficult to remove.</u>			

Post-Deployment			
Date: <u>11/24/20</u>		Performed by: <u>Brian Davis</u>	
Data File Downloaded?	<u>Yes</u> / No	Archived Filename: <u>11242020_data</u>	
Meter Verification Date: <u>11/24/20</u>			

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: SAD

RQ- 2020-11-23-37

Project: Plummet CM

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.	Bligh Davis	11/17/20	836	22.7	760	8.6	8.6	100.0	✓	1.01	P/F	L/F
ICV	↓	↓	838	22.8	760	8.6	8.63	100.1	✓	1.01	P/F	L/F
CCV	↓	11/24/20	1340	23.17	760	8.5	8.56	100.4	✓	1.01	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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Bligh Davis	11/17/20	843	200902B	9/21	1000	1000	P/F	L/F
ICV	↓	↓	845	191025A	11/20	1413	1407	P/F	L/F
CCV	↓	11/24/20	1342	200407B	4/21	20000	19530	P/F	L/F
CCV	↓	↓	1343	200902A	9/21	100	105	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.						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 $+180 \pm 50$;

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: _____

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	Bligh Davis	11/19/20	846	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: