



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:** 10/21/2020
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:** 2020-10-19-70

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Kimberly Applebee	x		x		
☒	Brian Davis		x		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: 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_DDMMYYYY)
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 10/21/20 Migrate Data to WIN: Verify Data in WIN:
(Initials/Date) (Initials/Date) (Initials/Date)



RQ-2020-10-19-70

Customer: WQAP

Project ID: SMP

Collected By: Kimberly Applebee, Brian Davis

Field Report Prepared By: Kimberly Applebee

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



G4NE0301

Location: Plummer Creek @ Second Island

Comments: Microbiology sample(s) submitted to contract laboratory

Matrix: Marine

(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)
10/21/2020	11:15 EST	2.55	30.2	23.7	6.14	0.3	0.6 ☐ VOB (S)	2.4	429.3	0.21

Central Lab please use top row for login purposes

	11:17 EST	2.53	29.9	23.7	6.12	1.77			428.5	0.21
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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: 02/07/21	☒ 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 # R9BA86875 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:
Kimberly Applebee
Brian Davis

Signature:

Brian Davis

Date:

10/21/20

*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: G4NE01301 G4NE0301 ORG ID: 21FLA
Field ID: _____ County: Nassau RQ - 2020-10-19-70

Meter ID#: <u>3AD</u>			
Pre-Deployment Setup			
Date: <u>10/14/20</u>		Performed by: <u>BT Davis</u>	
Parameters Recorded: ☒ Date ☒ Time ☒ Temp. (C°) ☒ Sp. Cond. ☒ DOSAT ☒ DO (mg/L) ☐ pH ☒ Depth			
Sampling Interval (min): <u>15</u>	Free Memory (days): <u>247 days</u>	Expected Battery Life: <u>202 days</u>	Programmed Duration: <u>365</u>
Sonde Filename: <u>PC101420</u>			Reset Clock? (Y or N) <u>IV</u>
Programmed Start Date/Time: <u>10/14/20</u> (mm/dd/yyyy) <u>1200</u> (hh:mm:ss) (Cent. <u>1</u> East)			Wipers Park Correctly? <u>Y</u>
Programmed End Date/Time: <u>10/21/20</u> (mm/dd/yyyy) <u>900</u> (hh:mm:ss) (Cent. <u>1</u> East)			Calibration Date <u>10/14/20</u>

Deployment			
Date: <u>10/14/20</u>		Time Into Water: <u>1250</u>	
Time Zone: Cent. <u>1</u> East			
Deployed Sonde Latitude:		Deployed By: (print all staff present)	<u>BD, KA</u>
Deployed Sonde Longitude:			

Notes: (how to get to, landmarks, site considerations & concerns, etc.)

Fish live in trees near sonde. Locked float to tree via Nylon cable.

Photos: Yes / No

Retrieval			
Date: <u>10/21/20</u>		Time Out Of Water: <u>1115</u>	
Time Zone: Cent. <u>1</u> East			
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.)			

Post-Deployment			
Date: <u>10/21/20</u>		Performed by: <u>Brian Davis</u>	
Data File Downloaded? ☒ Yes / ☐ No		Archived Filename: <u>10142020_LANDATA</u>	
Meter Verification Date: <u>10/21/20</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: 3AD

RQ: 2020-10-19-20

Project: CM Plummer

- 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.	Brian Davis	10/14/20	859	23.95	760	8.4	8.44	100	/	1.02	P / F	L / F
ICV			900	24.05	760	8.4	8.41	100	/	1.02	P / F	L / F
CCV		10/21/20	1329	25.38	760	8.2	8.33	100	/	1.02	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.	Brian Davis	10/14/20	907	200902B	9/21	1000	1000	P / F	L / F
ICV			913	200407B	4/21	20,000	19710	P / F	L / F
CCV			1331	200407D	4/21	100	104	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.						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 $\pm$ 50; mV pH 4 Range +180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 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 $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

SR #

ALS Contact

9143 Philips Highway, Suite 200, Jacksonville, FL 32256

Phone (904) 739-2277 / 800 495-7222 x06 / FAX (904) 739-2011

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Project Name Pumper CM		Project Number 2020-10-19-70		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																	
Report To J Lewis		Report CC DEP-Ovafbunick@floridssdep.net																			
Company/Address 8800 Bynedown Way W Suite 100 Jacksonville FL 32256				NUMBER OF CONTAINERS EPR10																	
Phone # 904-256-1700		FAX #																			
Sampler's Signature B-L-		Sampler's Printed Name Brice Lewis																			
CLIENT SAMPLE ID G4NE 0301		LAB ID		SAMPLING DATE TIME 10/21/20 1115		Matrix SL		1 ✓												Preservative Key 0. None 1. HCL 2. HNO3 3. H2SO4 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO4 8. Other REMARKS Fresh	
Special Instructions/Comments:										TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) STANDARD REQUESTED FAX DATE REQUESTED REPORT DATE				REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata Yes No				INVOICE INFORMATION P.O. # Bill to:			
SAMPLE RECEIPT: CONDITION/COOLER TEMP: CUSTODY SEALS: Y N																					
Relinquished By Signature B-L- Printed Name Brice Lewis Firm FDEP Date/Time 10/21/20 1254		Received By Signature V. Spears Printed Name Valerie Spears Firm ALS Date/Time 10/21/20 1254		Relinquished By Signature Printed Name Firm Date/Time		Received By Signature Printed Name Firm Date/Time		Relinquished By Signature Printed Name Firm Date/Time		Received By Signature Printed Name Firm Date/Time											