

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 1/20/2021
Customer: NE-DIST
RQ: RQ-2021-01-18-17

Collected By: Jeremy Parrish, Kelly McDonald
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

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

Site Location	Field ID/WIN ID
Cushing Cr @ Us 1	 NE400001
Cushing Creek At Lem Turner Rd.	 G4NE0306
Thomas Cr 4 Mi Below City Prison	 19020033
FB	 FB_012021
Thomas Creek 5 Miles Down From Ethel	 G4NE0298

RELINQUISHED BY(SIGNATURE):

Jeremy Parrish

DATE/TIME:

1/21/2021

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:

Rec'd/Inspected Date:

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:

8717ch

RQ:

2021-01-18-17

Project:

Calhoun

- 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.	J Parnish	1/20/21	745	19.9	770	9.20	9.23	91.3	—	1.032	P/F	L/F
ICV	J	J	746	19.9	770	9.20	9.24	101.3	—	1.032	P/F	L/F
CCV	J Parnish	1/20/21	1425	21.1	765	9.0	8.89	99.6	—	1.032	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.	J Parnish	1/20/21	747	20120223	1/22	1000	1000	P/F	L/F
ICV	J	J	748	200702A	9/21	100	102.2	P/F	L/F
CCV	J Parnish	1/20/21	1427	200902C	9/21	1413	1411	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.	J Parnish	1/20/21	749	2006F52	6/22	7.	21.1	7.02	-178	P/F	L/F
Calibr.	J	J	752	2912B71	12/21	4.	21.1	4.00	161.0	P/F	L/F
Calibr.	J	J	753	2006E28	12/21	10.	21.0	10.05	187.5	P/F	L/F
ICV	J	J	755	2912B71	12/21	4.	21.1	4.10	154.7	P/F	L/F
CCV	J Parnish	1/20/21	1430	2006E28	12/21	10.	21.5	10.16	-176.4	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	J Parnish	1/20/21	759	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 STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End
of Day CCV
Yes / No

WIN Station Name: Cushing Creek At Lem Turner Rd. **Date:** 1/20/2021
WIN/Field ID: G4NE0306 **WBID:** 2162 **ENR:** **Latitude:** 30.55999999
County: NASSAU **Org ID:** 21FLA **Longitude:** -81.8195
Receiving Body of Water: Nassau - St. Marys **RQ:** 2021-01-18-17

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Jeremy Parrish		x		x	x
☒	Kelly McDonald	x		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# STITCH					
Photos: NO		Flow: FLOW		Tide: N/A		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:	Field ID: N/A (WIN ID_DUP)
WIN DMT Activity ID:		

Blank

Time Zone: EST	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:
(Initials/Date) (Initials/Date)
Scan/Save Field Sheets Migrate Data to WIN: Verify Data In WIN:
(Initials/Date) (Initials/Date) (Initials/Date)



RQ-2021-01-18-17

Customer: WQAP

Project ID: SMP

Collected By: Jeremy Parrish, Kelly McDonald

Field Report Prepared By: Jeremy Parrish

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



G4NE0306

Location: Cushing Creek At Lem Turner Rd.

Comments: Microbiology sample(s) submitted to contract lab

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)
1/20/2021	1210 EST	8.6	75.1	9.2	6.96	0.3	0.8 ☐ VOB (S)	1.166	241	0.12
						2.0	Central Lab please use top row for login purposes			
	EST									

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 # sa0293040 Exp: 10/21	☒ Ice ☒ H2SO4*	☒ <2	1	C
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 # Syringe Lot #	☒ Ice		1	C
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	C
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice		1	C
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
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	C
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) ☐ W-DIELDRIN	☐ Ice			
Phytoplankton/Periphyton	DTM-QL-C ☐ PEN-QL-C ☐ DTY-QN-C ☐ PKD-QN-C DTM-QN-C ☐ PRN-QN-C ☐ PKD-QN-BV	☐ Ice			

Name:
Jeremy Parrish
Kelly McDonald

Signature:

Jeremy Parrish

Date:

1/21/2021

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

9143 Philips Highway, Suite 200 Jacksonville, FL 32256 / Ph(904) 739-2277 / FAX (904) 739-2011

Page 1 of 1

ALS Contact: Mandy Sullivan

Client Name				Project Number				ANALYSIS REQUESTED (Include Method Number and Container Preservative)																							
FDEP-NE ROC				Report To				Preservative Key																							
Dep-Overflowmicro@dep.state.fl.us				Report CC				0. None																							
Company/Address				8800 Baymeadows Way W				1. HCL																							
Jacksonville, FL 32256								2. HNO3																							
Phone #				FAX #				3. H2SO4																							
904-256-1700								4. NaOH																							
Sampler's Signature				Sampler's Printed Name				5. Zn. Acetate																							
Kellly McDonald				Kellly McDonald				6. MeOH																							
CLIENT SAMPLE ID				LAB ID				7. NaHSO4																							
G4NE0298				11/20/25				8. ICE																							
19020033				10/35				REMARKS																							
G4NE0306				12/10				Fresh																							
NE400001				12/45				↓																							
Special Instructions/Comments: Email Report to: Dep-Overflowmicro@dep.state.fl.us								TURNAROUND REQUIREMENTS																							
Signature								Relinquished By								Signature								Received By							
Kellly McDonald								Kellly McDonald								Kellly McDonald								Kellly McDonald							
Printed Name								Printed Name								Printed Name								Printed Name							
Kellly McDonald								Kellly McDonald								Kellly McDonald								Kellly McDonald							
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NE ROC FAX								NE ROC FAX								NE ROC FAX								NE ROC FAX							
Date/Time								Date/Time								Date/Time								Date/Time							
1/20/21 1330								1/20/21 1330								1/20/21 1330								1/20/21 1330							