

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: **159179**

RQ: **2023-05-15-30**

Project: **SAMP**

- 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.	B. Olin	5/17	0735	22.5	757.6	8.6	8.6	100.9		1.1	P/F	L/F
ICV		1	0740	22.5	757.6	8.6	8.6	99.8			P/F	L/F
CCV	S. Slade	5/17	1640	24.9	755.8	8.5	8.36	97.8			P/F	L/F
CCV				230							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.	B. Olin	5/17	0740	221221B	1/3/23	1000	1003	P/F	L/F
ICV		1	0741	221221A	1/23	100	100.2	P/F	L/F
CCV	S. Slade	5/17	1645	220425	11/20/23	50000	49899	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.	B. Olin	5/17	0745	16D0599	12/23	7.	22.0	7.1	-46.3	P/F	L/F
Calibr.			0746	16S0499	12/23	4.	22.1	3.99	151.8	P/F	L/F
Calibr.			0749	16F0738	8/31/23	10.	22.3	10.0	189.1	P/F	L/F
ICV			0750	16S0499	12/23	4	22.1	4.0	146.1	P/F	L/F
CCV	S. Slade	5/17	1656	16F0738	8/23	10.0	22.0	10.0	146.1	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: **3/23/23**

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	B. Olin	5/17	0735	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: 5/17/2023
Customer: NW-DIST
RQ: RQ-2023-05-15-70

Collected By: C. Stopher Slade, Brook Olin
Sampling Agency: FDEP
Project ID: SPPROJECTS

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

Number of Coolers Shipped: 0

Delivery Method: HandDelivered

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

Site Location	Field ID/WIN ID
Innerarity Point end of Ono Ave	 G5NW0071
Innerarity Point off of N Shore Dr	 G5NW0072

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 5/17/2023

1300CEN

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:

Rec'd/Inspected Date:

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

SPECIAL PROJECTS Field Sheet Perdido Bay Investigation

July 2022

Meter
Passed End
of Day CCV
Yes / No

WIN Station Name:		Innerarity Point end of Ono Ave				Sample Date:		5/17/2023	
WIN / Field ID:	G5NW0071	ORG ID:	21FLPNS	ENR:		Latitude:	30.31569		
County:	Escambia	WBID:	797A	ESTUARY		Longitude:	-87.45375		
Receiving Body of Water:		Perdido Bay				RQ-	2023-05-15-70		

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
C. Stopher Slade	x		x		
Brook Olin		x		x	x

Sampling Equipment			
x	Sample Container		Carboy
	Dipper		Van Dorn
	Syringe		Pole
Syringe Lot#		Filter Lot#	
Secchi Equipment ID:		Secchi - 2	
Collection Method			
x	Wading		Canoe/Kayak
	From Shore		Electric Motor
			Gasoline Motor
Depth Measured With		Meter	

Water Level:	Normal
Flow:	Flowing
Matrix:	Marine
Tide Stage:	N/A
High Tide:	
Low Tide:	
Photos:	Yes
Meter ID:	154179 (ProDSS)
Depth Gauge ID:	depth_gauge

Time Zone	Time	Total Depth (m)	Sample Depth (m)	DO (mg/L)	DO (%SAT)	Temp. (°C)	pH	Secchi Disk (m)	Sp COND (µmhos/cm)	Salinity (PPTth)
CEN	1145	0.5	0.25	5.91	84.8	29.4	7.82	0.4	27715	16.95

Biological Samples Collected: None

SBIO Visit ID: HA ID: RPS ID: Macrophyte ID: LIMS Sample ID Entered Into The Macrophyte Module:

Parameter Suite	Parameter Methods (LIMS Test Codes)	Preservation			
		Type	Lot#	Expiration Date	pH Check
Microbiology	E. coli Contract Lab	UWF			
Chlorophyll					
Physical/Aggregate Nutrients					
Filtered Nutrients					
Acid Preserved Nutrients					
Metals					
Organics (LC)					
Macroinvertebrates					
Organics (GC)					
Molecular					
Periphyton					
Phytoplankton					
BOD					
DOC					
Other(s)					
Field Comments:					
Comments on COC:	Microbiology sample(s) submitted to contract laboratory.				
Relinquish Date:	05/17/2023	Signature:			

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: QC Station ID, Field Parameters In LIMS DMT:

Save Field Sheets on Network: Migrate Data to WIN:

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

SPECIAL PROJECTS Field Sheet Perdido Bay Investigation

July 2022

Meter
Passed End
of Day CCV
Yes / No

WIN Station Name:		Innerarity Point off of N Shore Dr				Sample Date:		5/17/2023	
WIN / Field ID:	G5NW0072	ORG ID:	21FLPNS	ENR:		Latitude:	30.31711		
County:	Escambia	WBID:	797A	ESTUARY		Longitude:	-87.47875		
Receiving Body of Water:		Perdido Bay				RQ-	2023-05-15-70		

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
C. Stopher Slade	x		x		
Brook Olin		x		x	x

Sampling Equipment			
x	Sample Container	Carboy	
	Dipper	Van Dorn	
	Syringe	Pole	
Syringe Lot#		Filter Lot#	
Secchi Equipment ID:		BFA	
Collection Method			
x	Wading	Canoe/Kayak	
	From Shore	Electric Motor	
		Gasoline Motor	
Depth Measured With		Meter	

Water Level:	Normal
Flow:	NA
Matrix:	Marine
Tide Stage:	N/A
High Tide:	
Low Tide:	
Photos:	Yes
Meter ID:	154179 (ProDSS)
Depth Gauge ID:	depth_gauge

Time Zone	Time	Total Depth (m)	Sample Depth (m)	DO (mg/L)	DO (%SAT)	Temp. (°C)	pH	Secchi Disk (m)	Sp COND (µmhos/cm)	Salinity (PPTth)
CEN	1215	0.5	0.25	6.26	90	29.6	7.86	0.3	26727	16.28

Biological Samples Collected: None

SBIO Visit ID: HA ID: RPS ID: Macrophyte ID: LIMS Sample ID Entered Into The Macrophyte Module:

Parameter Suite	Parameter Methods (LIMS Test Codes)	Preservation			
		Type	Lot#	Expiration Date	pH Check
Microbiology	Contract Lab	Enterococci			
		UWF			
Chlorophyll					
Physical/Aggregate Nutrients					
Filtered Nutrients					
Acid Preserved Nutrients					
Metals					
Organics (LC)					
Macroinvertebrates					
Organics (GC)					
Molecular					
Periphyton					
Phytoplankton					
BOD					
DOC					
Other(s)					
Field Comments:					
Comments on COC:	Microbiology sample(s) submitted to contract laboratory.				
Relinquish Date:	05/17/2023	Signature:			

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: QC Station ID, Field Parameters In LIMS DMT:

Save Field Sheets on Network: Migrate Data to WIN:

Document Reference # 05.1.0

Laboratory: Wetlands Research Laboratory

Sampler's initials : SJ

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Date/Time: 5/17/23 / 1350

Date/Time: 5/17/2023 / 1350

Instructions: Fill in all fields except "Lab ID" on sample transport form completely. Each sample container must use a separate line. Place this form in a waterproof bag and place it with the samples for transport. If a field log or other chain of custody is attached, that information may be referenced on this form and the log or COC attached.

[illegible]

Comments: **Sample Container lot# 21347** PO # **C01214** Surface water, no chlorine expected

RQ - 2023-05-15-70

Contact name: **Stopher Slade**

Phone: 850-595-8300

Sampler's name:

¹Matrix examples: SW = surface water, PW = pore water, GW = ground water, FW = Freshwater, MW = Marine Water, BW = Brackish Water, S = soil/sediment, Other X =

³ Recorded using IRT-2