

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:

Desi

RQ:

2021-06-14-09

Project:

smP Kellier

- 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

5/18/21

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.	J. Lee	6/15/21	0740	19.5	758.4	9.2	9.15	99.3	-	1.07	P/F	L/F
ICV			0755	20.1	758.5	9.1	9.10	100.3	-	1.07	P/F	L/F
CCV			1434	23.4	757.3	8.4	8.47	100.2	-	1.07	P/F	L/F
CCV				23.6							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. Lee	6/15/21	0749	20122215	1/22	1000	1000	P/F	L/F
ICV			0753	20122215	1/22	100	103.4	P/F	L/F
CCV			1437	2009020	9/21	1413	1403	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. Lee	6/15/21	0758	2012E39	12/22	7.02	19.9	7.02	-44.2	P/F	L/F
Calibr.			0801	2103G59	3/22	4.00	19.9	4.00	132.2	P/F	L/F
Calibr.			0804	2103F53	9/22	10.05	19.8	10.05	-215.2	P/F	L/F
ICV			0806	2103G59	3/23	4.00	19.9	3.93	135.6	P/F	L/F
CCV			1439	2012E39	12/22	7.02	20.9	7.06	-44.0	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 $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 171, slope from 4 to 7 176.4 (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: 5/18/21

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	J. Lee	6/15/21	0807	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 2019

06/15/21

Data Qualified?

Yes / ☒ No

WIN Station Name: Pollice @ US 1

Date: 06/14/2021
(mm/dd/yyyy)

WIN/ Field ID: 27010016

WBID: 2580B

Latitude: 29.651333

County: St. Johns

ORG ID: 21FLA

Longitude: -81.286556

Receiving Body of Water: _____

RQ- 2021-06-14-09

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Brian Davis					X				
Jessica Lee							X		

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☐ Syringe	
☐ Dipper	☐ Other	
Depth Measured with <u>meter</u>		
Equipment ID _____		

Collection Method	
☐ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☒ Gasoline Motor

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded

Meter ID# Desi

Matrix: Fresh / Marine / DI

Photos: Yes / ☒ No

Flow: No Flow / Intestinal / Flowing / NA

Tide: Rising/Falling/ Slack/ NA

Tide Times: High Low

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)
EST	1120	0.3			4.66	55.4	6.88	0.13	272.4	24.0
CEN	1122	2.8	2.3	1.1	3.72	44.3	6.79	0.16	333.7	23.8

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other:

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☐ Ice ☐ H ₂ SO ₄			☐ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ <2
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☐ Ice			
Chlorophyll	☐ CHLSUITE-W	☐ Ice			
Physical/Aggregate (Fresh)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☐ E Coli ☒ F Coll ☒ Enterococci	☒ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C	☐ Ice			

Notes: Overcast

Place Label Here

Signature: B. V.

Date: 6/15/21

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

Scan/Save Field Sheets _____ Migrate Data to WIN: _____ Verify Data In WIN: _____

(Initials/Date)

(Initials/Date)

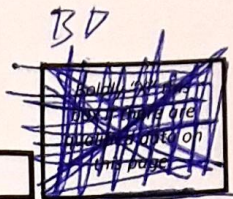
(Initials/Date)

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Meter ID: E.L.S.A.

RQ: 2021-06-14-09

Project: Pellican C/M



- 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 5/24/21

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.	Brian Davis	6/15/21	841	20.0	759.1	9.1	✓	99.9	✓	1.03	P/F	L/F
ICV		↓	843	20.1	759.1	9.1	9.08	100.1	✓	1.03	P/F	L/F
CCV		6/22/21	1256	22.9	761.1	8.6	8.64	100.5	✓	1.03	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.	Brian Davis	6/15/21	823	201222B	1/22	1000	1000	P/F	L/F
ICV			835	210426P	5/22	20,000	19,926	P/F	L/F
CCV		6/22/21	1300	210426B	5/22	1000	997	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.	Brian Davis	6/15/21	848	2012E39	12/22	7.02	20.1	7.02	-29.7	P/F	L/F
Calibr.			854	2103659	3/23	4.00	20.1	4.00	142.3	P/F	L/F
Calibr.			900	2103F53	9/22	10.05	20.0	10.06	-200.7	P/F	L/F
ICV		↓	902	2012E39	12/21	7.02	20.0	7.08	-32.3	P/F	L/F
CCV		6/22/21		2103659	3/23	4.0	21.7	4.17	133.6	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 -171, slope from 4 to 7 -172 (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: 5/27/21

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	Brian Davis	6/15/21	905	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
SMP CONTINUOUS MONITORING SHEET

August 2017

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Data Qualified?
☒ Yes / ☐ No

STORET Station Name: Pellican US1

WBID: 2580B

STORET Station ID: 27010016

ORG ID: 21FLA

Field ID: _____

County: St Johns RQ: 2021-06-14-09

Meter ID# : E.L.S.A.

Pre-Deployment Setup

Date: 6/15/21

Performed by: Brian Davis

Parameters

Recorded:

☒ Date

☐ Time

☐ Temp (°C)

☐ Sp. Cond.

☒ DOSAT

☒ DO (mg/L)

☐ pH

☐ Depth

Sampling Interval
(min): 15

Free Memory
(days): 99%

Expected
Battery Life: 2.68V

Programmed
Duration: 7 days/365

Sonde Filename: PC06152021

Reset Clock?
(Y or N) Y

Programmed Start
Date/Time: 6/15/21 (mm/dd/yyyy) 12:00:00 (hh:mm:ss) (Cent. / East)

Wipers Park
Correctly? Y

Programmed End
Date/Time: 6/22/21 (mm/dd/yyyy) 12:00:00 (hh:mm:ss) (Cent. / East)

Calibration Date 6/15/21

Deployment

Date: 6/15/21

Time Into Water: 1140

Time Zone: Cent. / East

Deployed Sonde

Latitude:

Deployed Sonde

Longitude:

Deployed By:
(print all staff
present)

BD, JL

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

No Issues with sonde or float.

Photos: Yes / ☒ No

Retrieval

Date: 6/22/21

Time Out Of Water: 940

Time Zone: Cent. / East

Mounting left or
removed?

Removed

Retrieved By:

BD, JL

Notes: (significant fouling, signs of human disturbance, site considerations and concerns, etc.)

Sonde V code on Depth data for all data points ←

Post-Deployment

Date: 6/22/21

Performed by: B Davis

Data File Downloaded? ☒ Yes / ☐ No

Archived Filename: 06222021-usvdata

Meter Verification Date: 6/22/21

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

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

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SR #

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