

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:

2019-11-11-61

Project:

Shelton 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

10/19

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	11/12/19	836	22.7	760	8.6	—	100%	—	1.06	P/F	L/F
ICV			837	22.9	760	8.6	8.62	100.2	—	1.06	P/F	L/F
CCV			1650	23.3	757.7	8.5	8.49	99.8	—	1.06	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	11/12/19	840	190711B	7/20	1000	1000	P/F	L/F
ICV			842	190711C	7/20	50,000	50,852	P/F	L/F
CCV			1652	190711B	7/20	1000	1016	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	11/12/19	845	2902778	1/21	7.01	23.3	7.01	-30.2	P/F	L/F
Calibr.			849	2904B00	3/21	4.0	23.3	4.0	150.1	P/F	L/F
Calibr.			851	2810F55	4/20	10.02	23.3	10.02	-202.2	P/F	L/F
ICV			853	2902778	1/21	7.01	23.2	7.06	-29.9	P/F	L/F
CCV			1657	190711B	07/20	7.0	24.1	10.03	-204.4	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: 10/19

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	11/12/19	855	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

Data Qualified?

Yes / No

WIN Station Name: SHERMAN CR @ CONF SAN PABLO R

Date: 11/12/19

(mm/dd/yyyy)

WIN/ Field ID: 20030802

WBID: 2227

Latitude: 30.3700

(Decimal Degrees)

County: Duval

ORG ID: 21 FLA

Longitude: -81.43803

(Decimal Degrees)

Receiving Body of Water: ICW

RQ-2019- 11-11-61

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Brian Davis							X		X	X		☒ Sample Container	☐ Van Dorn	☐ Pole	
Alicia Hogue						X		X				☐ Carboy	☐ Syringe		
												☐ Dipper	☐ Other		
												Depth Measured with Depth Sounder, Well 2			
												Equipment ID: 102417 Outer #2			
											Collection Method				
											☐ Wading	☐ Canoe/Kayak			
											☐ From Shore	☐ Electric Motor			
											☒ Other	☒ Gasoline Motor			
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded						Meter ID# DESI			Matrix: Fresh <u>Marine</u> / DI						
Photos: Yes / <u>No</u>						Flow: No Flow / Intestinal / <u>Flowing</u> / NA			Tide: Rising / <u>Falling</u> / Slack / NA			Tide Times: High 1030p Low			
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (µmhos/cm)	Temp. (C°)					
EST	1250	3.6	0.3	1.2	6.02	80.5	7.59	27.88	43237	21.6					
CEN	1252		3.1		6.00	80.1	7.60	27.90	43256	21.6					
Biological Samples Collected: <u>None</u> 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 ☒ H2SO4		SA9203100	07/22/20	☒ <2					
Metals		☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO3				☐ <2					
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice		R9BA86875							
Chlorophyll		☒ CHLSUITE-W				☒ Ice									
Physical/Aggregate (Fresh)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS				☐ Ice									
Physical/Aggregate (Marine)		☒ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☒ Ice									
Macroinvertebrates		☐ ME-FW-QLDC				☐ Formalin									
Periphyton		☐ ALGAE-ID				☐ Ice									
Microbiology		☐ E Coli ☐ F Coli ☒ 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													

Notes:

WIN ID/Field ID:



20030802

SHERMAN CR @ CONF SAN PABLO R

Signature:

Alicia D Hogue

Date:

11/12/2019

LIMS EVENT ID:

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT:

QC Station ID, Field Parameters In LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SMP CONTINUOUS MONITORING SHEET

August 2017

PAGE ____ OF ____

Data Qualified?
Yes / No

STORET Station Name: SHERMAN CR @ CONF SAN PABLO R

WBID: 2227

STORET Station ID: 20030802

ORG ID: 21FLA

Field ID: _____ County: Duval

RQ - ²⁰¹⁹ 11-11-61

Meter ID# : 3AD			
Pre-Deployment Setup			
Date: <u>11/4/19</u>		Performed by: <u>B 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>31.5</u>	Expected Battery Life: <u>140</u>	Programmed Duration: <u>365/7days</u>
Sonde Filename: <u>SC11419</u>			Reset Clock? (Y or N) <u>N</u>
Programmed Start Date/Time: <u>11/4/19</u> (mm/dd/yyyy) <u>1200</u> (hh:mm:ss) (Cent. <u>1</u> <u>East</u>)			Wipers Park Correctly? <u>Y</u>
Programmed End Date/Time: <u>11/12/19</u> (mm/dd/yyyy) <u>1200</u> (hh:mm:ss) (Cent. <u>1</u> <u>East</u>)			Calibration Date <u>11/4/19</u>

Deployment			
Date: <u>11/4/19</u>		Time Into Water: <u>1325</u>	Time Zone: Cent. <u>1</u> <u>East.</u>
Deployed Sonde Latitude: <u>30.3700</u>	Deployed By: (print all staff present) <u>BD/AK</u>		
Deployed Sonde Longitude: <u>-81.43803</u>			

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

Cloudy with High tide

Photos: Yes ☐ No ☒

Retrieval			
Date: <u>11/12/19</u>		Time Out Of Water: <u>1250</u>	Time Zone: Cent. <u>1</u> <u>East.</u>
Mounting left or removed? <u>Removed</u>	Retrieved By: <u>BD, AH</u>		

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

Wind, very little fouling

Post-Deployment	
Date: <u>11/12/19</u>	Performed by: <u>BD</u>
Data File Downloaded? ☒ Yes ☐ No	Archived Filename: <u>11122019_data</u>
Meter Verification Date: <u>11/12/19</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: **2019-11-11-61**

Project: **CM SLOMAN**

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 **10/17**

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	11/4/19	921	22.7	760	8.6	8.63	100	/	/	(P) F	(L) F
ICV			924	22.9	760	8.6	8.58	99.9	/	/	(P) F	(L) F
CCV	Brian Davis	11/12/19	1615	21.2	760	8.7	8.78	98.9	/	/	(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.	B - D -	11/4/19	928	190711B	7/20	1000	1000	(P) F	(L) F
ICV			932	190711C	7/20	50,000	50,795	(P) F	(L) F
CCV	B - D -	11/12/19	1617	190711B	7/20	1000	1004	(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 ± 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	Brian Davis	11/4/19	935	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:

Central Laboratory Submittal Form

Customer: NE-DIST

Requester: Brian Davis

Field Report Prepared By: Alicia Hoare

Project ID: SMP

Collected By: Brian Davis

Sampling Agency: FDEP

WIN ID/Field ID:		 20030802		SHERMAN CR @ CONF SAN PABLO R			
Latitude		☒ dd 30.3700	☐ dms	Longitude		☒ dd -81.43803	☐ dms
Location							
Field ID							
WIN/STORET #							
Latitude		☐ dd	☐ dms	Longitude		☐ dd	☐ dms
Location							
Field ID							
WIN/STORET #							
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Latitude		☐ dd	☐ dms	Longitude		☐ dd	☐ dms
Location							
Field ID							
WIN/STORET #							

Relinquished By: B-D-	Date/Time 11/12/19 1600	Shipping Method FedEx	Number of Coolers Shipped: 1	Received By:	Date/Time
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Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1 0
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1 0
	CHLSUITE-W						
Group: A	Bottle Type:	P-120ML-WC-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1 0 ALSAHO
	NE-ALS-ENQ						
Group: A	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	PCR-HF183						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	W-E8321-DI W-E8321-MS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	0
	W-ICP W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	0
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	0
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2 1
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS						

Group: B	Bottle Type: BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
CHLSUITE-W					
Group: B	Bottle Type: ^{250mL} P-120ML-WC-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1 to ALS
NE-ALS-ENQ					
Group: B	Bottle Type: P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
W-NH3					
W-NO2NO3					
W-S-A-TP					
W-TKN					
W-TOC					
Group: B	Bottle Type: P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	1
W-PO4-F					



CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR #
ALS Contact

9143 Philips Highway, Suite 200, Jacksonville, FL 32256
Phone (904) 739-2277 / 800-695-7222 x06 / FAX (904) 739-2011

Page ____ of ____

www.alsglobal.com

Project Name		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																	
Report To		Report CC		Preservative																Preservative Key	
Company/Address		FAX #		NUMBER OF CONTAINERS																	REMARKS
Sherman CM		RQ-2019-11-11-61																			
Jeremy Parrish		DEP-overflowmicr@dep-																			
State, FL US																					
8870 Baymeadows Way West																					
Jacksonville, FL 32256																					
Phone #		FAX #																			
904-256-1700																					
Sampler's Signature		Sampler's Printed Name																			
Alicia Hogue		Alicia Hogue																			
CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	TIME	Matrix																	
20030802		11/12/19	1250	SW	1	1															marine
Special Instructions/Comments:					TURNAROUND REQUIREMENTS				REPORT REQUIREMENTS				INVOICE INFORMATION								
					RUSH (SURCHARGES APPLY)				I. Results Only				P.O. #								
					☒ STANDARD				II. Results + QC Summaries (LCS, DUP, MS/MSD as required)				Bill to:								
					REQUESTED FAX DATE				III. Results + QC and Calibration Summaries												
SAMPLE RECEIPT: CONDITION/COOLER TEMP: 3.2°C					CUSTODY SEALS: Y (N)				REQUESTED REPORT DATE				Edata Yes No								
Relinquished By		Received By		Relinquished By		Received By		Relinquished By		Received By		Relinquished By		Received By							
Signature		Signature		Signature		Signature		Signature		Signature		Signature		Signature							
Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name							
Firm		Firm		Firm		Firm		Firm		Firm		Firm		Firm							
Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time							
11/12/19 1500														11/12/19 1500							