

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

Boldly "X" this box if there is qualified data on this name.

Meter ID: DEPH154181 RQ: 2018-07-23-25 Project: LSJR Downtown Boat

- 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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site _____

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification 7/18

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	PO'Connor	07-23-18	0700	23.5	8.49	8.49	99.9	-	-	(P) F	(L) F
ICV	✓	✓	0703	23.5	8.49	8.49	99.9	-	-	(P) F	(L) F
CCV	J. Pamish	7/23/18	1230	25.6	8.17	8.29	101	-	-	(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; 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.	PO'Connor	07-23-18	0724	180711A	07-2019	1000	1000	(P) F	(L) F
ICV	✓	✓	0708	180321A	04-2019	101.8	101.8	(P) F	(L) F
CCV	J. Pamish	7/23/18	1231	1470718	12/18	147	149	(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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	PO'Connor	07-23-18	0720	2803E45	03-2020	7.0	7.00	-80.1	(P) F	(L) F
Calibr.	✓	✓	0723	2803D38	03-2020	4.0	4.00	170.4	(P) F	(L) F
Calibr.	✓	✓	0725	211527	04-2019	10.0	9.98	-181.4	(P) F	(L) F
ICV	✓	✓	0730	2803E45	03-2020	7.0	7.06	-9.9	(P) F	(L) F
CCV	J. Pamish	7/23/18	233	2803038	3/20	4.0	4.14	161.7	(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)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth 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:

BP QC/Scanned 7/30/18 JP 7/27/18