

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: YSI #3 RQ: 2018-01-15-25 Project: LSJR Coast Bay

- 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 L & B

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification 1/18

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.	B- D-	1/22/18	745	22.57	8.64	8.65	100	58.4	0.876	(P) F	(L) F
ICV			747	22.7	8.62	8.59	99.6	57.4	0.876	(P) F	(L) F
CCV			1454	22.1	8.72	8.88	101.7	58.4	0.876	(P) F	(L) F
CCV										P / F	L / F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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-	1/22/18	756	171129A	12/18	1000	1002	(P) F	(L) F
ICV			758	170315A	3/18	100	101	(P) F	(L) F
CCV			1455	0358640	12/17	59078	59083	(P) F	(L) F
CCV						58640		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.	B- D-	1/22/18	806	2708B60	7/19	7.0	7.0	-12.0	(P) F	(L) F
Calibr.			811	2711517	10/19	4.0	4.0	164.4	(P) F	(L) F
Calibr.			817	2706D31	12/18	10.0	9.99	-186.0	(P) F	(L) F
ICV			819	2708B60	7/19	7.0	7.03	-12.6	(P) F	(L) F
CCV			1458	2706D31	12/18	10.0	10.03	-188.4	(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)

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:

QC/Scanned BD 1/29/18

JP 1/25/18