

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: SNEK

RQ: 2021-02-22-42

Project: SMP: Lemon 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.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 02/11/21

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.	Nicole Reistad	02/23/21	0718	23.4	760.0	8.5	8.52	100.0		1.298	(P) / (F)	(L) / F
ICV			0719	23.4	760.1	8.5	8.52	100.1			(P) / (F)	(L) / F
CCV			1258	24.4	759.4	8.3	8.49	101.5			(P) / (F)	(L) / F
CCV				24.3		8.4					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 umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	Nicole Reistad	02/23/21	0721	1002A78	02/22	10,000	10,000	(P) / (F)	(L) / F
ICV			0722	2012D77	12/22	50,000	48247	(P) / (F)	(L) / F
CCV			1255	2007D74	07/22	500	503	(P) / (F)	(L) / F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1400	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer Sol	Temp °C	Meter Reading mV	Pass / Fail	Lab / Field
Calibr.	Nicole Reistad	02/23/21	0738	202114	05/22	7.00	23.9	7.01	(P) / (F)	(L) / F
Calibr.			0740	203325	07/22	4.01	23.9	4.00	(P) / (F)	(L) / F
Calibr.			0742	203539	06/22	10.02	23.8	10.01	(P) / (F)	(L) / F
ICV			0743	203325	07/22	4.01	23.9	3.96	(P) / (F)	(L) / F
CCV			1300	2010E79	04/22	10.02	23.9	10.08	(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 10 178.0, slope from 4 to 7 177.2 (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: 33128; Date of last verification: 02/11/21

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: