

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: President Camacho

RQ: 2023-08-07-28

Project: CM: Yucca Flatwork

- 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 7/17/23

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 Span	Pass / Fail	Lab / Field
Calibr.	Samantha Guelinas	8/16/23	654	20.6	760.2	8.99	8.87	100.0	—	1.036	P / F	L / F
ICV	↓	↓	656	20.5	760.2	9.00	9.11	101.2	—	—	P / F	L / F
CCV	Samantha Guelinas	8/16/23	1021	25.2	760.9	8.24	8.32	100.8	—	—	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.	Samantha Guelinas	8/16/23	657	2302F67	02/25	2500	2500	P / F	L / F
ICV	↓	8/16/23	659	230217B	02/24	100	101.0	P / F	L / F
CCV	Samantha Guelinas	8/16/23	1023	230217A	02/24	50,000	49801	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.	Samantha Guelinas	8/16/23	701	230217E	08/24	7.01	20.6	7.02	-54.1	P / F	L / F
Calibr.	↓	↓	704	230607D	12/24	4.01	20.8	4.00	120.3	P / F	L / F
Calibr.	↓	↓	706	230607C	12/24	10.06	20.1	10.06	-215.5	P / F	L / F
ICV	Samantha Guelinas	8/16/23	707	230607D	12/24	4.01	21.0	3.89	—	P / F	L / F
CCV	Samantha Guelinas	8/16/23	1025	230607C	12/24	10.05	21.0	10.16	—	P / F	L / F
CCV										P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 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: 3312A; Date of last verification: 8/14/23

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: