

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: PROMOTE

RQ: 2021-05-17-65

Project: CAWUSA CREEKS

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 5/18/21

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.	BARRINGTON	5/20/21	0700	22.8	760.1	8.6	8.62	100.0	—	1.06	P/F	D/F
ICV	↓	↓	0702	22.8	760.9	8.6	8.61	100.0	—	—	P/F	L/F
CCV	BARRINGTON	5/20/21	1445	22.7	760.5	7.9	7.97	101.0	—	—	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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	BARRINGTON	5/20/21	0704	1009989	8/22	2500	2500	P/F	D/F
ICV	↓	↓	0706	2103696	3/23	100	98.8	P/F	L/F
CCV	BARRINGTON	5/20/21	1447	1002578	2/22	10,000	10,044	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria ± 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.	BARRINGTON	5/20/21	0708	2101499	1/23	7.00	24.2	7.01	-25.0	P/F	D/F
Calibr.	↓	↓	0710	1102110	1/23	4.01	24.1	4.00	156.7	P/F	L/F
Calibr.	↓	↓	0712	1102521	7/22	10.02	24.2	10.01	-194.6	P/F	D/F
ICV	↓	↓	0714	1102110	1/23	4.01	24.0	4.00	—	P/F	L/F
CCV	BARRINGTON	5/20/21	1450	1102021	7/22	10.03	22.9	10.03	—	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 ± 50; mV pH 10 Range -180 ± 50;

If mV are recorded: slope from 7 to 10 169.4, slope from 4 to 7 181.7 (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: DEEP BLUE; Date of last verification: 2/11/21

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 ± 5 % or ± 0.05m, whichever is greater.

COMMENTS: