

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: **KEYS**

RQ: **KEYS**

Project: **SMP PEACE RIVER**

- 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 **10/11/18**

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	11/28/18	0707	24.37	760	8.36	8.36	100.0	523	-	P/F	L/F
ICV	↓	↓	0709	24.36	760	8.36	8.36	100.0			P/F	L/F
CCV	Gary Sank	11/28/18	1525	25.41	760	8.20	8.21	100.0	523		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	11/28/18	0711	2803F43	3/20	1000	1000	P/F	L/F
ICV	↓	↓	0713	180522C	6/19	100	103	P/F	L/F
CCV	Gary Sank	11/28/18	1530	2803F43	3/20	1000	1002	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	11/28/18	0715	181455	3/20	6.99	24.84	7.60	-	P/F	L/F
Calibr.	↓	↓	0717	183218	7/20	4.01	24.85	3.98	-	P/F	L/F
Calibr.	↓	↓	0719	183381	5/20	10.01	24.78	10.00	-	P/F	L/F
ICV	↓	↓	0721	183218	7/20	4.01	24.87	3.98	-	P/F	L/F
CCV	Gary Sank	11/28/18	1533	185490	09/20	10.00	24.50	10.05		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

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: **DECKER 60002**; Date of last verification: **8/20/18**

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: