

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 page.

Meter ID: KEYS RQ: 2018-04-02-66 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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site 03/22/18

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

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.	M. Dugan	04/03/18	0713	24.7	8.309	8.31	100	45.1	1.01	P/F	L/F
ICV	"	"	0714	24.5	8.34	8.3	100	45.1		P/F	L/F
CCV	Greg Sil	4/3/18	1550	24.2	8.38	8.52	101	44.1		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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	M. Dugan	04/03/18	0715	171211D	12/18	500	500	P/F	L/F
ICV	"	"	0717	171211B	12/18	100	99	P/F	L/F
CCV	Greg Sil		1555	170728C	8/18	10.000	9865	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	Meter reading SU	mV μ W	Pass / Fail	Lab / Field
Calibr.	M. Dugan	04/03/18	0718	176157	08/19	7.0	7.0	259	P/F	L/F
Calibr.	"	"	0725	177238	10/19	4.0	4.0	147.1	P/F	L/F
Calibr.	"	"	0726	176507	09/19	10.0	10.0	192.1	P/F	L/F
ICV	"	"	0727	176507	09/19	10.0	10.1	196.2	P/F	L/F
CCV	Greg Sil		1557	177238	10/19	4.0	4.04	146.7	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 10 175.5, slope from 4 to 7 163.7 (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: