

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: 7 RQ: 2017-08-14-05 Project: SMP HIGHLAND LAKES

- 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

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 9/28/2017

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	11/7/17	0655	24.9	8.27	8.29	100.	35.9		(P/F)	(L/F)
ICV	"	"	0657	24.8	8.24	8.28	100.	35.9		(P/F)	(L/F)
CCV	"	"	1559	22.0	8.74	8.84	101.	34.4		(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; 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.	M. DUGAN	11/7/17	0700	170828A	08/18	1000	1000	(P/F)	(L/F)
ICV	"	"	0702	170828	09/18	100	103	(P/F)	(L/F)
CCV	"	"	1001	170728B	08/18	500	503	(P/F)	(L/F)
CCV	"	"	1002	170828	09/18	100	103	(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	mV	Pass / Fail	Lab / Field
Calibr.	M. DUGAN	11/7/17	0711	173420	05/19	7.0	7.0	12.1	(P/F)	(L/F)
Calibr.	"	"	0713	173425	05/19	4.0	4.0	155.2	(P/F)	(L/F)
Calibr.	"	"	0715	172902	04/19	10.0	10.0	-136.2	(P/F)	(L/F)
ICV	"	"	0717	172902	04/19	10.0	10.0	-137.6	(P/F)	(L/F)
CCV	"	"	1003	173425	05/19	4.0	3.8	108.7	(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 _____, slope from 4 to 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: