

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

~~Fieldly "X" the box if the data is questionable on this record~~

Meter ID: A

Project: SMP, Beck & Silver Lakes

- Notes:** (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

D.O. Fg

Circle/Fill In: Lab Calibration or Calibration/Verification on Site _____

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 4-28-16

DO DEP SOP FT 1500	Name	Date	Time (ET)	Temp. (°C)	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Danny Berger	5-18-16	0722	22.4	8.7	8.7	100	40	1.00	P F	L F
ICV	"	"	0723	21.9	8.8	8.7	99	40	1.00	P F	L F
CCV	"	"	1615	24.5	8.3	7.4	89	38	1.00	P F	L F
CCV	"	"	"	"	"	"	"	"	"	P F	L F

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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 (ET)	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Danny Berger	5-18-16	0727	160418A	4/17	1000	1000	P F	L F
ICV	"	"	0728	"	"	1000	1001	P F	L F
CCV	"	"	1611	160318	9-16	100	102	P F	L F
CCV	"	"	"	"	"	"	"	P F	L F

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time (ET)	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Danny Berger	5-18-16	0730	150724C	2-17	7.0	7.0	-61	P F	L F
Calibr.	"	"	0731	160222B	3-17	4.0	4.0	101	P F	L F
Calibr.	"	"	0732	150521B	12-16	10.0	10.0	-224	P F	L F
ICV	"	"	0733	"	"	10.0	9.9	-221	P F	L F
CCV	"	"	1612	160222B	3-17	4.0	4.1	98	P F	L F
CCV	"	"	"	"	"	"	"	"	P F	L F

Report pH with one decimal place; 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; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification _____

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater

Notes: RA-2016 05-09-15