

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

Project:

Highland 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.

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

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

3/17/16

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.	Kaitlin DeAeth	6/6/16	0717	23.4	8.51	8.52	100.0	45.1		P F	L F
ICV	"	"	0725	23.2	8.54	8.50	99.9	45.1		P F	L F
CCV	Corey Anderson	6/6/16	1648	24.2	8.4	8.3	98	46		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.	Kaitlin DeAeth	6/6/16	0726	160418A	4/17	1,000	1,000	P F	L F
ICV	"	"	0728	150915E	9/16	500	509	P F	L F
CCV	Corey Anderson	6/6/16	1649	160318	9/16	100	105	P F	L F
CCV	Corey Anderson	6/6/16	1650	160418A	4/17	1000	953	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.	Kaitlin DeAeth	6/6/16	0730	160222A	9/17	7.0	7.0	-10.8	P F	L F
Calibr.	"	"	0731	161523	3/18	4.0	4.0	-162.1	P F	L F
Calibr.	"	"	0732	160126	2/18	10.0	9.9	-166.7	P F	L F
ICV	"	"	0734	160126	2/18	10.0	10.0	-166.1	P F	L F
CCV	Corey Anderson	6/6/16	1653	161523	3/18	4.0	4.2	-146	P F	L F
CCV									P F	L F

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ; mV pH 10 Range -180 ± 50 ; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

mV pH 4 Range $+180 \pm 50$;

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:

smr - RQ-2016-05-30-14