

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 name.

Meter ID:

A

Project:

Highlands

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

1/7/16

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	1/11/16	0715	24.5	8.3	8.3	100	51		P F	L F
ICV	Kaitlin DeAeth	1/11/16	0718	24.4	8.3	8.2	99	50		P F	L F
CCV	Chris Lutz	"	1735	21.0	8.9	9.0	102.0	52.3		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	1/11/16	0723	150915D	9/16	1,000	996	P F	L F
ICV	Kaitlin DeAeth	1/11/16	0726	150915D	9/16	1,000	995	P F	L F
CCV	Chris Lutz	"	1737	150915C	3/11	100	108	P F	L F
CCV	"	"	1739	150724B	8/16	500	493	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	1/11/16	0730	156244	10/17	7.0	7.2	-46	P F	L F
Calibr.	Kaitlin DeAeth	1/11/16	0732	150915A	9/16	4.0	4.1	123	P F	L F
Calibr.	Kaitlin DeAeth	1/11/16	0735	150915B	3/17	10.0	9.9	-196	P F	L F
ICV	Kaitlin DeAeth	1/11/16	0737	150915B	3/17	10.0	10.0	-189	P F	L F
CCV	Chris Lutz	"	1746	150915B	9/16	4.0	4.2	124	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 $\pm$ 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: