

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

Box is for
qualifying data on
this name

Meter ID:

5

Project:

6 mile bypass draw

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

1/4/16

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 DePeth	4/4/16	0744	23.8	8.45	8.45	100.0	28.8		P F	L F
ICV	"	"	0747	23.7	8.46	8.50	101.7	29.8		P F	L F
CCV	Kaitlin DePeth	4/4/16	1304	23.8	8.45	9.17	108.5	-91.3		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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Kaitlin DePeth	4/4/16	0750	150915D	9/16	1,000	1,000	P F	L F
ICV	"	"	0752	150915E	9/16	500	500	P F	L F
CCV	Kaitlin DePeth	4/4/16	1340	150915C	3/16	100	101	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.	Kaitlin DePeth	4/4/16	0753	156244	10/17	7.0	7.0	-56.3	P F	L F
Calibr.	"	"	0754	160222B	3/17	4.0	4.0	115.6	P F	L F
Calibr.	"	"	0755	150915B	3/17	10.0	10.0	-2340	P F	L F
ICV	"	"	0757	150915B	3/17	10.0	10.0	-2339	P F	L F
CCV	Kaitlin DePeth	4/4/16	1341	160222B	3/17	4.0	4.2	111.7	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: