

Bent Mill, Central D. Ditch
Black, Chicken

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: Bio 2

RQ: 2018-01-01-22

Project: Smp

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 _____

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.	Curtis Mussen	1/4/18	707	19.16	9.239	9.25	100.0	56	-	P/F	L/F
ICV	Curtis Mussen	1/4/18	709	19.15	9.258	9.25	100.0	56	-	P/F	L/F
CCV	Curtis Mussen	1-4-18	1434	9.21	9.239	9.26	100.2	55	-	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.	Curtis Mussen	1/4/18	710	17100SD	10/2018	1000	1000	P/F	L/F
ICV	Curtis Mussen	1/4/18	711	17100SD	10/2018	1000	1001	P/F	L/F
CCV	Curtis Mussen	1/4/18	1435	17100SE	10/2018	100	102	P/F	L/F
CCV								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 SU	mV	Pass / Fail	Lab / Field
Calibr.	Curtis Mussen	1/4/18	714	170614B	12/2018	7.0	7.00	29	P/F	L/F
Calibr.	Curtis Mussen	1/4/18	715	17100SA	10/2018	4.01	4.01	190	P/F	L/F
Calibr.	Curtis Mussen	1/4/18	717	17100SC	4/2019	10.01	9.97	-123	P/F	L/F
ICV	Curtis Mussen	1/4/18	719	17100SA	10/2018	4.01	4.01	189	P/F	L/F
CCV	Curtis Mussen	1/4/18	1436	17100SC	4/2019	10.01	10.13	-131	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	Curtis Mussen	1/4/18	722	0.00	0.00	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: