

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

Holdly "X" this box if there are qualified data on this page.

Meter ID: Craw Dobby RQ- 2020-10-12-31 Project: HAB

- 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.

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification 09/02/20

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Katie March	12/1/20	815	21.4	758.7	8.8	99.5	8.80	/	1.103	P/F	L/F
ICV				21.4	758.8	8.8	99.6	8.81			P/F	L/F
CCV			1525	21.2	757.9	8.8	105.4	9.40			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 (Pro DSS 0.75 to 1.50); 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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Katie March	12/1/20	840	201026A	11/21	1000	1000	P/F	L/F
ICV				200821	09/21	100	100.3	P/F	L/F
CCV			1538	200109B	01/21	50,000	50,004	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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Katie March	12/1/20	900	202114	05/22	7.01	22.3	7.07	30.1	P/F	L/F
Calibr.				200052	02/22	4.00	22.4	4.00	146.5	P/F	L/F
Calibr.				200109A	07/21	10.04	22.0	10.04	143.8	P/F	L/F
ICV				200109A	07/21	10.04	22.0	10.01	144.0	P/F	L/F
CCV			1540	200052	02/22	4.00	22.1	4.06	143.8	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 10 224.5, slope from 4 to 7 176.6 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)
 If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 5/15/20
 If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: Knothead Date of last verification: 4/2/20

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	Katie March	12/1/20	900	.272	.272	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: