

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:

HE3

Project:

Henry Creek S&P

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

7/11/16

DO SOP FT 1500	Name	Date	Time CT-ET	Temp T	DO Chgs mg/L	Meter DO mg/L	% DO	Probe charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	A. Hurley	8/24	0900	24.5	8.3	8.3	100	58	1.2	P	L
ICV				24.4	8.2	8.3	100			P	L
CCV	J. P. HS	7/24	1614	24.0	8.4	8.5	101	58.4		P	L
CCV											

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 Conduct FT 1400	Name	Date	Time CT-ET	Temp T	DO Chgs mg/L	Meter DO mg/L	% DO	Probe charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	A. Hurley	8/24	0900	26.06063	2/18	1000	1000			P	L
ICV				26.03082	3/18	100	101			P	L
CCV	J. P. HS	8/24	1616	26.01525	12/17	5000	4984			P	L
CCV											

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH SOP FT-1400	Name	Date	Time CT-ET	Temp T	pH Rate	pH Buffer SB	Meter Reading mV	mV	Pass Fail	Lab Field
Calibr.	A. Hurley	8/24	0900	16.1586	4/18	7.0	7.0	-26	P	L
Calibr.				16.1523	3/18	4.0	4.0	152	P	L
Calibr.				15.6700	10/17	10.0	10.0	-203	P	L
ICV				15.6700	10/17	10.0	10.0		P	L
CCV	J. P. HS	8/24	1618	16.1523	3/18	4.0	4.2		P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ; mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification

7/11/16

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	A. Hurley	8/24	0930	0.000	0-00	P	L

ICV acceptance criteria $\pm 5\%$ or $\pm 0.05m$, whichever is greater