

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 Quart 4 #1 RQ- 2017-06-05-2 Project BIVENS ARMY

- 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 06-2017

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.	PO'Connor	06-06-17	0635	25.1	8.24	8.22	100.1	—	—	Pass	LAB
ICV	✓	✓	0642	25.2	8.23	8.22	100.0	—	—	Pass	LAB
CCV	PO'Connor	06-06-17	1350	24.2	8.22	—	—	PO	—	—	—
CCV					8.38	8.22	98.1	—	—	Pass	LAB

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 CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	PO'Connor	06-06-17	0644	170315B	03-2018	1000	1000	Pass	LAB
ICV	✓	✓	0645	17045A	03-2018	100	101	Pass	LAB
CCV	PO'Connor	06-06-17	1400	170315B	03-2018	1000	1009	Pass	LAB
CCV									

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

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.	PO'Connor	06-06-17	0650	2702647	02-19	7.0	7.00	—	Pass	LAB
Calibr.	✓	✓	0657	2610F42	10-18	4.0	4.00	—	Pass	LAB
Calibr.	✓	✓	0705	2611998	05-2018	10.0	9.83	—	Pass	LAB
ICV	PO	6/6/17	1435	2702647	2-19	7.0	6.92	—	Pass	LAB
CCV										
CCV										

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 N/A

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