

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

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

Meter ID:

Anya

RQ:

06-29-33

Project:

5MP - Lake O
Tribes

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 04/28/2020

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.	Drew L122.1k	06/30/20	0834	23.5	756	8.5	8.5	99.7	—	1.05	Ⓟ/F	Ⓟ F
ICV	//	//	0836	23.5	756	8.5	8.5	100	—	1.05	Ⓟ/F	Ⓟ F
CCV	//	//	1430	29.3	755	7.6	7.6	100	—	1.05	Ⓟ/F	Ⓟ 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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Drew L122.1k	//	0838	2911829	10/21	1000	1000	Ⓟ/F	Ⓟ F
ICV	//	//	0840	1002820	02/22	100	102.1	Ⓟ/F	Ⓟ F
CCV	//	//	1434	2911829	10/21	1000	1005	Ⓟ/F	Ⓟ 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.	Drew L122.1k	//	0842	194546	07/21	7.0	24.1	7.0	-19.7	Ⓟ/F	Ⓟ F
Calibr.	I	I	0844	196401	09/21	4.0	24.3	4.10	157.9	Ⓟ/F	Ⓟ F
Calibr.	I	I	0846	192995	05/21	10.0	24.1	10.0	-197.1	Ⓟ/F	Ⓟ F
ICV	I	I	0848	192995	05/21	10.0	24.2	10.2	-198.3	Ⓟ/F	Ⓟ F
CCV	I	I	1436	196401	09/24	4.0	27.1	4.08	151.3	Ⓟ/F	Ⓟ 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 -177.4, slope from 4 to 7 177.6 (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: 04/28/2020

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: ; Date of last verification: 04/28/2020

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	Drew L122.1k	06/30/20	0850	0.00	0.00	Ⓟ/F	Ⓟ F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: