

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.

Highway 10 Small Lakes

SMP

Project:

RD-2020-05-31-55

RD-

Pro Move

Meter ID:

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

6/8/20

DO	DO DEP SOP	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.		BARNHARTON	9/3/20	0700	23.9	7571	8.4	8.4	99.6	-	1.05	(P/F) (L/F)	(P/F) (L/F)	(P/F) (L/F)
ICV						7570	8.4	8.4	99.7	-		(P/F) (L/F)	(P/F) (L/F)	(P/F) (L/F)
CCV		BARNHARTON	9/3/20	1330	26.3	7565	8.0	8.0	99.8	-		(P/F) (L/F)	(P/F) (L/F)	(P/F) (L/F)
CCV														

DO Acceptance criteria from Table ± 0.3 mg/L. 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. Rapid-Pulse Sensors: DO gain range 0.7 to 1.4; DO charge range 25-75.

Spec. Cond.	FT 1200	Name	Date	Time	CT-ET	Lot #	Expir. Date	Standard μmhos/cm	Meter Reading μmhos/cm	Pass / Fail	Lab / Field
Calibr.		BARNHARTON	9/3/20	0700	1003A23	2/22		2500	2500	(P/F) (L/F)	(P/F) (L/F)
ICV								10000	10180	(P/F) (L/F)	(P/F) (L/F)
CCV		BARNHARTON	9/3/20	1333	1006706	5/22		100	1025	(P/F) (L/F)	(P/F) (L/F)
CCV											

Conductivity Acceptance criteria ± 5%

pH	FT 1100	Name	Date	Time	CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	MV	Pass / Fail	Lab / Field
Calibr.		BARNHARTON	9/3/20	0712	200388	2/22		7.00	24.0	7.01	-	(P/F) (L/F)	(P/F) (L/F)
Calibr.								4.01	24.1	4.00	-	(P/F) (L/F)	(P/F) (L/F)
Calibr.								1002	24.3	10.01	-	(P/F) (L/F)	(P/F) (L/F)
ICV								2/22	24.1	3.96	-	(P/F) (L/F)	(P/F) (L/F)
CCV		BARNHARTON	9/3/20	1335	197602	2/22		10.03	23.2	10.15	-	(P/F) (L/F)	(P/F) (L/F)
CCV													

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 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)

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: Secchi Disk Line / Sonar Unique ID: DEEPBLUE Date of last verification: 7/7/20

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							P / F	L / F

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