

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

Meter ID: SNEK

RQ:

Project: OCHMN

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

- 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 10/27/20

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.	Nicole Reistad	12/09/20	0708	23.4	762.9	8.5	8.54	100.4		1.2975	(P) F	(L) F
ICV	"	"	0709	23.4	762.9	8.5	8.54	100.4			(P) F	(L) F
CCV	Chris Hornum	11	1548	23.8	761.3	8.5	8.56	101.2			(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.	Nicole Reistad	12/09/20	0712	1002A78	02/22	10,000	10,000	(P) F	(L) F
ICV	"	"	0714	1009989	08/22	2500	2524	(P) F	(L) F
CCV	Chris Hornum	11	1542	2909CA8	09/21	50000	48745	(P) F	(L) F
CCV	"	11	1551	2807676	07/22	100	104.0	(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.	Nicole Reistad	12/09/20	0716	202114	05/22	7.00	23.6	7.01	-15.6	(P) F	(L) F
Calibr.	"	"	0718	202304	07/22	4.01	23.6	4.00	162.7	(P) F	(L) F
Calibr.	"	"	0720	203539	06/22	10.02	23.7	10.02	-194.2	(P) F	(L) F
ICV	"	"	0722	202304	07/22	4.00	23.7	3.97		(P) F	(L) F
CCV	Chris Hornum	11	1545	203539	06/22	10.03	23.4	10.08		(P) F	(L) F
CCV	"	"								(P) F	(L) F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

If mV are recorded: slope from 7 to 10 178.6 slope from 4 to 7 178.3 (both must be between 165 and 180 mV)

mV pH 4 Range $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;

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:

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: 3312B ; Date of last verification: 07/07/20

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

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

COMMENTS: