

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

Seal this box if this log is for a qualified person on this page.

Meter ID: K255

RC: 2019

Project: Channel Hare

- 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 6/19/18

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.	S. Cofer	8/23/18	0700	24.46	760	8.42	8.46	100.0	33.9		P/F	L/F
ICV	"	"	0701	24.46	760	8.42	8.46	100.0	33.6		P/F	L/F
CCV	N. Reistad	08/24/18	0730	23.10	760	8.56	6.75	78.9	27.7		P/F	L/F
CCV			0701	23.10							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.	S. Cofer	8/23/18	0702	171211A	12/18	100000	100000	P/F	L/F
ICV	"	"	0704	180522A	6/19	100000	9900	P/F	L/F
CCV	N. Reistad	08/23/18	1635	180321C	07/19	100	101	P/F	L/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.	S. Cofer	8/23/18	0705	180609A	2/20	7.00	24.24	7.00	-14.6	P/F	L/F
Calibr.	"	"	0707	181456	4/20	4.00	24.46	4.00	160.2	P/F	L/F
Calibr.	"	"	0708	181282	5/20	10.023	24.46	10.01	-183.5	P/F	L/F
ICV	"	"	0716	181456	4/20	4.00	24.4	4.01	161.8	P/F	L/F
CCV	N. Reistad	08/24/18	0704	181282	05/20	10.013	24.7	10.02	-195.4	P/F	L/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 _____, 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: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: 2000 5252 Date of last verification: 8/20/18

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: