

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:

Snek

RQ:

2021-03-29-73

Project:

Hatchee Cricks-SMP

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 02/11/21

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.	William Mullen	03/29/21	0800	22.4	759.9	8.7	8.59	99.2		1.285	(P) / F	(L) / F
ICV	↓	↓	0803	22.5	759.9	8.7	8.59	99.2			(P) / F	(L) / F
CCV	William Mullen	03/29/21	1417	26.1	759.9	8.1	8.06	99.5			(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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	William Mullen	03/29/21	0804	1002A78	02/22	10,000	10,000	(P) / F	(L) / F
ICV	↓	↓	0806	1009P89	08/22	2500	2442	(P) / F	(L) / F
CCV	William Mullen	03/29/21	1418	2007D74	07/22	500	483.9	(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.	William Mullen	03/29/21	0810	1012482	11/22	7.00	24.0	7.01	-30.0	(P) / F	(L) / F
Calibr.	↓	↓	0813	2011841	10/22	4.01	24.1	4.00	144.2	(P) / F	(L) / F
Calibr.	↓	↓	0815	2010E79	04/22	10.02	24.0	10.01	-203.3	(P) / F	(L) / F
ICV	↓	↓	0817	2011841	10/22	4.01	24.1	3.99		(P) / F	(L) / F
CCV	William Mullen	03/29/21	1421	2010E79	04/22	10.02	23.8	10.07		(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 10 173.3, slope from 4 to 7 179.2 (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: 33120; Date of last verification: 02/11/21

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: