

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

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

Meter ID: Snek

RQ: 2018-04-23-20

Project: SMP - Gators & Dicks

- 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.

Circle/Fill In Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 03/28/2018

DO DEP SOP	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
FT 1500											
Calibr.	M. Dugan	05/10/18	0656	24.1	8.403	8.45	100			(P/F)	(L/F)
ICV	"	"	0658	24.1	8.403	8.45	100			(P/F)	(L/F)
CCV	"	"	1316	24.5	8.34	8.38	101			(P/F)	(L/F)
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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.	M. Dugan	05/10/18	0701	171211D	12/18	500	500	(P/F)	(L/F)
ICV	"	"	0705	171211B	12/18	1000	99.5	(P/F)	(L/F)
CCV	"	"	1317	180321D	04/19	50,000	50,000	(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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	M. Dugan	05/10/18	0707	177435	10/19	7.0	7.0	6.3	(P/F)	(L/F)
Calibr.	"	"	0708	177759	10/20	4.0	4.0	185.3	(P/F)	(L/F)
Calibr.	"	"	0712	176507	09/19	10.0	10.0	183.7	(P/F)	(L/F)
ICV	"	"	0720	180710	02/22	4.0	4.0		(P/F)	(L/F)
CCV	"	"	1318	176507	09/19	10.0	10.05		(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)

Is meter equipped with depth sensor? Yes ☒ No ☐ If yes, list date of last quarterly depth verification _____

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: