

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: 2019-NONE HA

Project: Ha R Alligator

- Notes: (1) Always wait for meter to stabilize before recording any readings. Creek @ Jacaranda
 (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 10/1/19

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.	Gary Shand	10/29/19	0739	23.4	736.9	8.5	8.48	99.6		1.26	(P) F	(L) F
ICV		10/29/19	0740	23.5	756.9	8.5	8.48	99.8			(P) F	(L) F
CCV	Chris Hornum	10/29/19	1448	23.8	755.4	8.4	8.41	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.	Gary Shand	10/29/19	0746	2909939	8/21	1000	1000	(P) F	(L) F
ICV		10/29/19	0748	2908681	08/21	100	99.7	(P) F	(L) F
CCV	Chris Hornum	10/29/19	1439	2909939	08/21	1000	993	(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.	Gary Shand	10/29/19	0750	192113	04/21	7.00	24.9	6.99	-38.1	(P) F	(L) F
Calibr.		10/29/19	0753	193247	05/21	4.00	24.9	4.01	140.8	(P) F	(L) F
Calibr.		10/29/19	0756	193874	06/21	10.00	24.8	10.00	-218.0	(P) F	(L) F
ICV		10/29/19	0802	193247	05/21	4.00	24.9	4.00		(P) F	(L) F
CCV	Chris Hornum	10/29/19	1445	193874	06/21	10.00	23.6	10.02		(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: 331213; Date of last verification: 6/18/19

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: