

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

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

Meter ID: **Hydro lab**
143734

Project: **Tchenchee Springs**

- Notes: (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
(2) Always wait for meter to stabilize before recording any readings.
(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 4/16

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 4/16

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass /	Lab /
Calibr.	J. Pann	4/21/16	700	23.2	8.54	8.54	100	-	-	P	L
ICV	J	2	707	23.2	8.54	8.54	100	-	-	P	L
CCV	J. Gevertzel	4/21/16	1502	24.31	8.37	8.48	100.1	-	-	P	L
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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; DO charge N/A.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec.	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass /	Lab /
Calibr.	J. Gevertzel	4/21/16	0709	160216 A	2/2017	1000	1000	P	L
ICV	J. Gevertzel	4/21/16	0711	160216 B	8/2016	100	100	P	L
CCV	J. Gevertzel	4/21/16	1503	160216 B	8/2016	100	103	P	L
CCV	J. Gevertzel	4/21/16	1504	160216 A	2/2017	1000	1004	P	L

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass /	Lab /
Calibr.	J. Gevertzel	4/21/16	0713	2509677	8/2017	7.0	-	-	P	L
Calibr.	J. Gevertzel	4/21/16	0714	2509674	9/2017	4.0	-	-	P	L
Calibr.						10.0				
ICV	J. Gevertzel	4/21/16	0716	2510A88	4/2017	10.0	9.85	-	P	L
CCV	J. Gevertzel	4/21/16	1509	2509677	8/2017	7.00	7.04	-	P	L
CCV	J. Gevertzel	4/21/16	1512	2510A88	4/2017	10.0	9.91	-	P	L

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 m

Depth (Quarterly)

Date of Last Depth Verification

Depth Sensor	Name	Date	Time	Zero the Sensor	ICV Value	Pass /	Lab /
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater