

2016-04-11-10

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

Project:

Swanee 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

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 Parnish	4/27/16	725	23.7	8.46	8.46	100	—	—	P	
ICV	J	2	726	23.7	8.46	8.44	99.8	—	—	P	
CCV	J	4/27/16	1600	24.1	8.4	8.22	98	—	—	P	
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 /
Cond.									
Calibr.	J Parnish	4/27/16	730	160216A	2/17	1000	100	P	
ICV	J	2	732	160216B	8/16	100	99	P	
CCV	J	4/27	1605	05151413	6/16	1413	1400	P	
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer	Meter reading SU	mV	Pass /	Lab /
DEP SOP										
Calibr.	J Parnish	4/27/16	733	2509677	8/17	7.0	7.0	—	P	
Calibr.	J	2	734	2509674	9/17	4.0	4.0	—	P	
Calibr.	J	2	735	2509688	4/17	10.0	9.88	—	P	
ICV	J	4/27/16	1407	2509677	8/17	7.0	7.15	—	P	
CCV										
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH 7 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