

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: keys RQ: 2017-12-04-67 Project: Imperial River SHP

- 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 12/4/17

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 / Fail	Lab / Field
Calibr.	Gary Snorek	12/4/17	0915	27.64	7.9	7.9	100	59.4	0.98	P/F	L/F
ICV	Gary Snorek	12/4/17	0916	27.01	7.9	8.0	100	59.4	0.97	P/F	L/F
CCV	M. DUGAN	-	1516	26.2	8.1	8.1	100	62.3	0.97	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; 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 Snorek	12/4/17	0936	170728A	8/18	1000	1000	P/F	L/F
ICV	Gary Snorek	12/4/17	0937	170728B	8/18	500	500	P/F	L/F
CCV	M. DUGAN	-	1440	170421A	8/18	10,000	10,000	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.	Gary Snorek	12/4/17	0943	173426	5/19	7.0	6.99	-11.8	P/F	L/F
Calibr.	Gary Snorek	12/4/17	0946	173425	5/19	4.0	4.01	167	P/F	L/F
Calibr.	Gary Snorek	12/4/17	0949	172902	4/19	10.0	9.98	-187.2	P/F	L/F
ICV	Gary Snorek	12/4/17	0952	173425	5/19	4.0	3.98	167	P/F	L/F
CCV	M. DUGAN	-	1515	172902	4/19	10.0	10.1	-181.4	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: