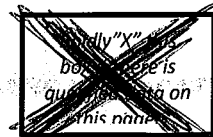


CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)



Meter ID:

A

Project:

Shell Creek + SFP Hog Bay and Bosh Creek

- 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.

D.O. Fail

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

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

1-7-16

DO DEP SOP FT 1500	Name	Date	Time (ET)	Temp. (°C)	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Chris Link	2/4/16	0720	22.8	35.4	8.6	100.0	35.4		P F	D F
ICV	"	"	0722	23.0	8.5	8.5	100.0	35.4		P F	A F
CCV	Danny Borge	"	1322	22.8	8.6	10.0	116	39	0.99	P F	D F
CCV										P F	L F

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. Cond. FT 1200	Name	Date	Time (ET)	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Chris Link	2/4/16	0724	150915D	9/16	1000	1,001	P F	D F
ICV	"	"	0726	150915D	9/16	1,000	1,002	P F	D F
CCV	Danny Borge	"	1323	150724B	8-16	500	504	P F	D F
CCV								P F	L F

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

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time (ET)	Lot #	Expir. Date	pH Buffer	Meter reading	mV	Pass / Fail	Lab / Field
Calibr.	Chris Link	2/4/16	0729	150915A	10/17	7.0	7.0	-59.6	P F	D F
Calibr.	"	"	0730	150915A	9/16	4.0	4.0	140.3	P F	D F
Calibr.	"	"	0732	150915B	3/17	10.0	10.0	-232.0	P F	D F
ICV	"	"	0732	150915B	3/17	10.0	10.0	-228.7	P F	D F
CCV	Danny Borge	"	1324	150915A	7-16	4.0	4.0	109	P F	D F
CCV									P F	L F

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

mV pH7 Range 0 ± 50 ; mV pH 4 Range $\pm 180 \pm 50$; pH Acceptance

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

Depth (Quarterly)

Date of Last Depth Verification

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

Notes:

D.O. Fail Membrane Changed 2/4/16 (1615) CRA

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