

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 name.

Meter ID:

Lem L.L.Brit

Project:

RA-2017-03-13-50
Lemon Bay/Whidden

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

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

2/7/17

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.	Chase Conley	3/13/17	0715	25.2	8.2	8.2	100			☒ F ☐ F	☒ F ☐ F
ICV	Chase Conley	3/13/17	0716	25.1	8.2	8.2	100			☒ F ☐ F	☒ F ☐ F
CCV	Chase Conley	3/13/17	1619	22.6	8.6	8.4	101			☒ F ☐ F	☒ F ☐ 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.	Chase Conley	3/13/17	0717	160222C	3/17	10000	9983	☒ F ☐ F	☒ F ☐ F
ICV	Chase Conley	3/13/17	0718	161216A	12/17	1000	997	☒ F ☐ F	☒ F ☐ F
CCV	Chase Conley	3/13/17	1615	2511C38	11/17	50000	49569	☒ F ☐ F	☒ F ☐ 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 SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Chase Conley	3/13/17	0720	164224	6/18	7.0	6.9	-39	☒ F ☐ F	☒ F ☐ F
Calibr.	Chase Conley	3/13/17	0722	167431	11/18	4.0	4.0	97	☒ F ☐ F	☒ F ☐ F
Calibr.	Chase Conley	3/13/17	0725	162214C	6/18	10.0	10.0	-145	☒ F ☐ F	☒ F ☐ F
ICV	Chase Conley	3/13/17	0728	161216C	6/18	10.0	10.1	-152	☒ F ☐ F	☒ F ☐ F
CCV	Chase Conley	3/13/17	1615	2511C38	11/17	cc			P F	L F
CCV	Chase Conley	3/13/17	1617	167431	11/18	4.0	4.1	78	☒ F ☐ F	☒ F ☐ F

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ; mV pH 4 Range $+180 \pm 50$; mV pH 10 Range -180 ± 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			

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

Notes: