

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: QUANTA#1

RQ: 2018-01-08-33

Project: Interlachen 2

- 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 01-10-18

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.	PO'Connor	01-25-18	0637	20.5	9.00	8.97	100.0	—	—	P/F	L/F
ICV	↓	↓	0640	20.6	8.98	8.99	100.4	—	—	P/F	L/F
CCV	PO'Connor	01-25-18	1520	21.28	9.03					P/F	L/F
CCV	PO'Connor	01-25-18	1528	21.4	8.84	8.56	96.8	—	—	P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	PO'Connor	01-25-18	0650	171129A	12-2018	1000	1000	P/F	L/F
ICV	↓	↓	0653	170315A	03-2018	100	98	P/F	L/F
CCV	PO'Connor	01-25-18	1538	171129A	12-2018	1000	994	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.	PO'Connor	01-25-18	0655	27088600	07-2019	7.0	7.00	—	P/F	L/F
Calibr.		↓	0658	2711517	10-2019	4.0	4.00	—	P/F	L/F
Calibr. ICV	↓	↓	0700	2706031	12-2018	10.0	9.98		P/F	L/F
ICV	PO'Connor	01-25-18	1540	2708860	07-2019	7.0	6.98		P/F	L/F
CCV	↓	↓	1542	2711517	10-2019	4.0	4.00		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 N/A, slope from 4 to 7 N/A (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:

QC/Scanned BT 1/29/18

JPI/29/18