

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 VSI#4 RQ- 2017-9-11-13 Project

- 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 5/13/17

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.	JPM	10/4/17	724	22.8	8.61	8.61	100	53.5		P	L
ICV	J	2	727	22.9	8.60	8.56	99.6	53.5		P	L
CCV	JPM	10/4/17	1515	23.2	8.55	8.54	100.2	53.3		P	L
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. 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.	JPM	10/4/17	729	178720A	5/18	1000	1000	P	L
ICV	J	2	730	170790B	8/18	100	98	P	L
CCV	JPM	10/4/17	1516	81972011	3/18	147	140	P	L
CCV									

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

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.	JPM	10/4/17	732	1617412	6/18	7.0	7.0	26	P	L
Calibr.	J		733	2707722	6/19	4.0	4.0	157.8	P	L
Calibr.	J		734	2707745	7/18	10.0	10.0	195.2	P	L
ICV	JP	6/4/19	735	1607412	6/18	7.0	7.08		P	L
CCV	JP	10/4/17	1517	2707748	4/18	10.0	10.01		P	L
CCV										

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	JPM	10/4/17	737	0.000	0.0	P	L

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

BP 10/9/17

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 YSI #3 RQ- 2017-09-18-13 Project Nassau Bay

- 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 06-2017

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.	P O'Connor	10-04-17	0735	24.2	8.38	8.38	100.0	52.3	0.8496	P	LAB
ICV	↓	↓	0742	24.3	8.37	8.37	99.9	52.3	0.8496	P	LAB
CCV	A Kumpacher	10-4-17	1545	25.3	8.21	8.31	101.1	52.3	0.8496	P	L
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. 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.	P O'Connor	10-04-17	0747	170720A	08-2018	1000	1000	P	LAB
ICV	↓	↓	0750	170720B	08-2018	100	101		
CCV	A Kumpacher	10-4-17	1550	170720A	8-2018	1.000	1001	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 3\%$

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.	P O'Connor	10-04-17	0755	2707656	06-2019	7.0	7.00	-23.4	P	L
Calibr.	↓	↓	0757	2707722	06-2019	4.0	4.00	148.9	P	L
Calibr.	↓	↓	0802	2704798	09-2018	10.0	9.99	-191.8	P	L
ICV	↓	↓	0805	2707656	06-2019	7.0	7.03	-23.8	P	L
CCV	A Kumpacher	10-4-17	1555	2707656	06-19	7.0	7.12	-28.3	P	L
CCV										

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 06-2017

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 $\pm 0.05m$, whichever is greater

BD 10/9/17