

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:

5

Project:

SMP 1st Stream

9-2017-09-11-03

- 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

9.28.2017

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.	MARYANN DUGAN	9/25/17	0827	23.21	8.546	8.54	100.7	61.4		P F	L F
ICV	"	"	0829	23.36	8.514	8.51	100.7	61.4		P F	L F
CCV	STEVEN COFAR	9/25/17	1421	21.85						P F	L F
CCV	STEVEN COFAR	9/25/17	1430	25.03	8.2	8.5	103	60.4		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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	MARYANN DUGAN	9/25/17	0830	170728A	08/18	1000	1004	P F	L F
ICV	"	"	0834	170421B	05/18	100	102	P F	L F
CCV	STEVEN COFAR	9/25/17	1422	170728B	08/18	500	500	P F	L 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.	MARYANN DUGAN	9/25/17	0837	168705	02/19	7.0	7.00	-47.4	P F	L F
Calibr.	"	"	0840	171629	04/19	4.0	4.00	130.3	P F	L F
Calibr.	"	"	0841	172902	04/19	10.0	10.00	-224.4	P F	L F
ICV	"	"	0845	171629	04/19	4.0	3.97	132.4	P F	L F
CCV	STEVEN COFAR	9/25/17	1425	168705	02/19	7.0	7.0	-50.6	P F	L 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 $+180 \pm 50$;

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: