

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

Boldly "X" this box if there are qualified data on this page.

Meter ID: TALLY

RQ: 04-08-05

Project: Continuous Monitoring

(Deployment)

- 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.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 03/19/2019

DO	Name	Date	Time	Temp	Baro	D.O.	Meter	%DO	Probe	Probe	Pass	Lab
DEP SOP			ET-ET	°C	meter	Chart	D.O.		Charge	Gain	/	/
FT 1500					number	mg/L	mg/L				Fail	Field
Calibr.	M. DUGAN	04/11/19	0715	24.6	760	8.325	8.33	100	-	-	P/F	L/F
ICV	"	"	0720	24.7	760	8.309	8.31	100	-	-	P/F	L/F
CCV	BARRINGTON	4/16/19	1610	20.31	760	8.02	8.02	99.4	-	-	P/F	L/F
CCV											P/F	L/F

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 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec.	Name	Date	Time	Lot #	Expir.	Standard	Meter	Pass	Lab
Cond.			ET-ET		Date	umhos/cm	Reading	/	/
FT 1200							umhos/cm	Fail	Field
Calibr.	M. DUGAN	04/11/19	0705	2809050	09/20	10,000	10,000	P/F	L/F
ICV	"	"	0710	2711027	11/19	50,000	49,990	P/F	L/F
CCV	BARRINGTON	4/16/19	1613	2901833	12/20	1000	1009	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time	Lot #	Expir.	pH	Temp	Meter	mV	Pass	Lab
DEP SOP			ET-ET		Date	Buffer	°C	reading		/	/
FT 1100						SU		SU		Fail	Field
Calibr.	M. DUGAN	04/11/19	0725	187681	11/20	6.997	24.8	7.00	42.4	P/F	L/F
Calibr.	"	"	0730	187188	11/20	4.010	24.9	4.00	115.6	P/F	L/F
Calibr.	"	"	0733	186877	10/20	10.013	24.8	10.00	-216.4	P/F	L/F
ICV	"	"	0737	186877	10/20	10.013	24.8	10.04	25.5	P/F	L/F
CCV	BARRINGTON	4/16/19	1616		10/20	10.01	24.4	10.06		P/F	L/F
CCV	↓	↓	↓	187158	11/20	4.01	24.5	3.91		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 10 174, slope from 4 to 7 158 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification:

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: 33123; Date of last verification: 12/20/2018

Depth Sensor	Name	Date	Time	Calibrated	ICV Value	Pass	Lab
(Daily Calibration & ICV)			ET-ET	Value (0.00 or Offset), meters	meters	Fail	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: