

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:

Lil BIT

Project:

SMP: Horseshoe Hermosa

Canal

- 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

4/28/16

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.	Corey Anderson	6-21-16	1127	23.2	8.6	8.5	100	NA	NA	P F	L F
ICV	"	"	1130	23.2	8.6	8.5	100	NA	NA	P F	L F
CCV	Kirby Wolfe	"	1550	26.3	8.1	8.3	103	NA	NA	P F	L 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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Corey Anderson	6-21-16	1140	160418A	4/17	1000	1000	P F	L F
ICV	"	"	1144	160318	9/16	100	96	P F	L F
CCV	Kirby Wolfe	"	1552	160418A	4/17	1000	1000	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.	Corey Anderson	6-21-16	1147	160222A	9/17	7.0	7.0	-17	P F	L F
Calibr.	"	"	1150	161523	3/18	4.0	4.0	152	P F	L F
Calibr.	"	"	1152	160126	2/18	10.0	10.1	-190	P F	L F
ICV	"	"	1155	160126	2/18	10.0	10.1	-189	P F	L F
CCV	Kirby Wolfe	6-21-16	1558	161523	3/18	4.0	3.9	156	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 $\pm$ 50; mV pH 4 Range +180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 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: New Batteries in Handheld 6-21-16 1120 CA

Field Meter Calibration Log

Meter ID:

YSI multi probe

	Date	4-22-16	5-24-16	5-26-16	6-13-16	6-21-16
AM	pH 4.00	4	4	4	4	4
	pH 7.00	7	7	7	7	7
	pH 10.00	10	10	10	10	10
	Cond 147					
	Cond 717.5					
	Cond 1413					
	@ Temp					
	DO %	100.0	100.2	100.3	100.2	100.6
	DO @ Temp	24.81	24.76	25.22	26.41	24.15
PM	pH _____	4/7/10	4/7/10	4/7/10	4.01/7/10	4/7.04/10.0
	Cond _____	—	—	—	—	—
	DO% @ Temp	$\frac{100.0}{26.75}$	$\frac{100.4}{27.52}$	$\frac{100.4}{27.50}$	$\frac{100.1}{26.40}$	$\frac{100.5}{25.41}$
	Batteries	46%	46%	46%	46%	45%
	Comments					
	User	J.D.F.	J.D.F.	S.F./J.D.F.	J.D.F.	J.D.F.