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: The Orc RQ- 2022-06-20-5 Project: Okee Canals

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 04/14/22

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	06/21/22	0707	~~26.2~~ 26.2	763.8	8.1	8.13	100.5	—	1.023	P / F	L / F
ICV	Thomas Baker	06/21/22	0709	26.2	763.9	8.1	8.13	100.5	—	—	P / F	L / F
CCV	Nicole Reistad	06/21/22	1507	24.4	764.5	8.4	8.38	100.2	—	—	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. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	06/21/22	0713	2204C00	3/24	2500	2500	P / F	L / F
ICV	Thomas Baker	06/21/22	0715	2112E28	12/23	100	99.3	P / F	L / F
CCV	Nicole Reistad	06/21/22	1502	2204C00	03/24	2500	2474	P / F	L / F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	06/21/22	0715	2112697	11/23	7.00	24.6	7.01	—	P / F	L / F
Calibr.	↓	↓	0719	2205G24	03/24	4.01	24.6	4.01	—	P / F	L / F
Calibr.	↓	↓	0721	4202048	7/23	10.03	23.8	10.01	—	P / F	L / F
ICV	Thomas Baker	06/21/22	0723	2203G24	03/24	4.00	23.8	3.95	—	P / F	L / F
CCV	Nicole Reistad	06/21/22	1505	4202048	07/23	10.03	23.3	10.02	—	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 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (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: Slippery Disk Date of last verification: 02/24/22

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 ± 5 % or ± 0.05m, whichever is greater.

COMMENTS: