

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: **DESI**

RQ: **2023-11-27-32**

Project: **Nassau North**

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

9/8/23

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.	J Parnish	11/20/23	821	22.4	761.2	8.79	8.70	99.8	—	1.00	P/F	D/F
ICV	L	11/20/23	823	22.3	761.4	8.67	8.67	99.8	—	1.00	P/F	D/F
CCV	J Parnish	11/20/23	1540	22.8	761.5	8.60	8.65	100.5	—	—	P/F	D/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 μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	J Parnish	11/20/23	824	230612B	6/2024	1000	1000	P/F	D/F
ICV	L	11/20/23	825	230131A	2/2024	100	98.6	P/F	D/F
CCV	J Parnish	11/20/23	1542	230612C	6/2024	50000	14760	P/F	D/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

0100

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.	J Parnish	11/20/23	827	43040117	4/24/25	7.01	22.7	7.01	-24	P/F	D/F
Calibr.			829	43041354	4/13/25	4.00	22.8	4.00	150.5	P/F	D/F
Calibr.			830	M334-14	11/29/24	10.03	22.7	10.03	-145.5	P/F	D/F
ICV	L		840	4304-1384	4/13/25	4.00	22.7	3.95	153.2	P/F	D/F
CCV	J Parnish	11/20/23	1543	M334-14	11/29/24	10.00	23.1	10.03	-146	P/F	D/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50; mV pH 4 Range +180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 50;

If mV are recorded: slope from 7 to 10 **171.5**, slope from 4 to 7 **174.5** (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: **9/8/23**

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

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	J Parnish	11/20/23	842	0.00	0.00	P/F	D/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: