

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: **2022-12-05-50**

Project: **Nassau Make-up**

- 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 **11/14/22**

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.	K. Halbert	12/19/22	734	19.8	767.8	9.2	—	101.0	KH	1.021	(P) F	(L) F
ICV	K. Halbert	12/19/22	746	19.5	767.8	9.3	9.29	101.0	—	1.021	(P) F	(L) F
CCV	J. Parrish	12/19/22	1430	20.2	767	9.1	9.12	100.6	—	1.021	(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 μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	K. Halbert	12/19/22	748	221028A	11/2023	1000	1000	(P) F	(L) F
ICV	K. Halbert	12/19/22	753	210917A	3/2023	100	100.7	(P) F	(L) F
CCV	J. Parrish	12/19/22	1431	221028B	11/23	1413	1412	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

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.	K. Halbert	12/19/22	757	M118-15	5/2/24	7.02	20.0	7.02	-20.7	(P) F	(L) F
Calibr.	K. Halbert	12/19/22	845	L344-18	12/29/23	4.00	19.9	4.00	154.1	(P) F	(L) F
Calibr.	K. Halbert	12/19/22	847	M103-01	4/19/24	10.06	19.9	10.06	-191.4	(P) F	(L) F
ICV	K. Halbert	12/19/22	852	M118-15	5/2/24	7.02	20.0	7.02	-19.4	(P) F	(L) F
CCV	J. Parrish	12/19/22	1433	L344-18	12/29/23	4.00	21.2	4.00	149.1	(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 $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 **170.7**, slope from 4 to 7 **174.8** (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: **11/14/22**

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	K. Halbert	12/14/22	855	0.000	0.000	(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: