

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

Boldly "X" this box if there is qualified data on

Meter ID:

45E556 #1

Project:

LAKE VEDRA RECON

- 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

1/16

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass /	Lab /
Calibr.	P O'Connor	02/18/16	0703	22.0	8.74	8.74	100.0	—	—	Pass	LAD
ICV			0720	22.0	8.74	8.74	100.0	—	—		
CCV	P O'Connor	2/18/16	1325	21.0	8.91	8.81	98.8	—	—	Pass	LAD
CCV											

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.	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass /	Lab /
Cond.									
Calibr.	P O'Connor	02/18/16	0723	1511/35	11/2016	1000	1000	Pass	LAD
ICV			0725				1000	Pass	LAD
CCV	P O'Connor	2/18/16	1335	1507/14	01/2016	100	103	Pass	LAD
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass /	Lab /
DEP SOP										
Calibr.	P O'Connor	02/18/16	0730	2504518	04/2017	7.0	7.00	-34.0	Pass	LAD
Calibr.			0735	2509674	09/2017	4.0	4.00	146.0	Pass	LAD
Calibr.			0740	2506675	11/2014	10.0	10.00	-206	Pass	LAD
ICV			0742			10.00	9.98	-206.7	Pass	LAD
CCV	P O'Connor	2/18/16	1327	2504518	04/17	7.00	9.95	205.1	Pass	LAD
CCV										

Report pH with one decimal place; 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 ;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 m

Depth (Quarterly)

Date of Last Depth Verification

N/A

Depth Sensor	Name	Date	Time	Zero the Sensor	ICV Value	Pass /	Lab /
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater

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

Boldly "X" this box if there is qualified data on

Meter ID:

Q 143734

Project:

Nassau Middle

- Notes: (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
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Circle/Fill In: Lab Calibration or Calibration/Verification on Site LAB

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

1/22/2016

DO	Name	Date	Time	Temp	D.O. Chart	Meter D.O.	% DO	Probe Charge	Probe Gain	Pass	Lab
DEP SOP FT 1500			CT-ET		mg/L	mg/L				/	/
Calibr.	J. Gevertzel	2/18/2016	0732	22.27	8.69	8.64	99.3	-	-	P	L
ICV	J. Gevertzel	2/18/2016	0735	22.32	8.69	8.63	99.3	-	-	P	L
CCV	A. Kalmbacher	2/18/2016	1444	23.03	8.57	8.32	96.3	-	-	P	L
CCV											

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.

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Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec.	Name	Date	Time	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass	Lab
Cond.			CT-ET					/	/
Calibr.	J. Gevertzel	2/18/2016	0738	1511138	11/2016	1000		P	L
ICV	J. Gevertzel	2/18/2016	0740	1511138	11/2016	1000	996	P	L
CCV	A. Kalmbacher	2/18/2016	1450	150701A	7/2016	100	101	P	L
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time	Lot #	Expir. Date	pH Buffer	Meter reading	mV	Pass	Lab
DEP SOP			CT-ET			SL	SL		/	/
Calibr.	J. Gevertzel	2/18/16	0750	2504B18	4/2017	7.0		-	P	L
Calibr.	J. Gevertzel		0753	2509F74	9/2017	4.0		-	P	L
Calibr.	J. Gevertzel		0754	2506675	11/2016	10.0		-	P	L
ICV	J. Gevertzel		0755	2506675	11/2016	10.0	10.00	-	P	L
CCV	A. Kalmbacher	2/18/16	1452	2504B18	4/2017	7.24	7.00		* J Code *	
CCV			1456	2506675	11/2016	10.22	10.00			

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ; mV pH 4 Range $+180 \pm 50$; mV pH 10 Range -180 ± 50 ; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 m

Depth (Quarterly)

Date of Last Depth Verification

Depth Sensor	Name	Date	Time	Zero the Sensor	ICV Value	Pass /	Lab /
Pressure mode in air	N/A			0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater

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Meter ID:

USE 556 #1

Project:

LAKE VEDRA RECON

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ICV			0720	22.0	8.74	8.74	100.0	—	—		
CCV	PO'Connor	2/18/16	1325	21.0	8.91	8.81	98.8	—	—	Pass	LAD
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ICV			0725				1000	Pass	LAD
CCV	PO'Connor	2/18/16	1335	1507/17	01/2016	100	103	Pass	LAD
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Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer	Meter reading	mV	Pass /	Lab /
DEP SOP										
Calibr.	PO'Connor	02/18/16	0730	2504618	04/2017	7.0	7.00	-34.0	Pass	LAD
Calibr.			0735	2509674	09/2017	4.0	4.00	146.0	Pass	LAD
Calibr.			0740	2506675	11/2016	10.0	10.00	-206	Pass	LAD
ICV			0742			10.00	9.98	-206.7	Pass	LAD
CCV	PO'Connor	2/18/16	1327	2504618	04/17	7.00	9.95	205.1	Pass	LAD
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mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 m

Depth (Quarterly)

Date of Last Depth Verification

N/A

Depth Sensor	Name	Date	Time	Zero the Sensor	ICV Value	Pass /	Lab /
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater

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Project: **Nassau Middle**

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Circle/Fill In: Lab Calibration or Calibration/Verification on Site **LAB**

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1/22/2016

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Calibr.	J. Gevertzel	2/18/16	0750	2504B18	4/2017	7.0		-	P	L
Calibr.	J. Gevertzel		0753	2509F14	9/2017	4.0		-	P	L
Calibr.	J. Gevertzel		0754	2506675	11/2016	10.0		-	P	L
ICV	J. Gevertzel		0755	2506675	11/2016	10.0	10.00	-	P	L
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CCV			1456	2506675	11/2016	10.22	10.00			

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 mV pH 10 Range -180 ± 50 ; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 m

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Date of Last Depth Verification

Depth Sensor	Name	Date	Time	Zero the Sensor	ICV Value	Pass /	Lab /
Pressure mode in air	N/A			0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater