

YSI Datasonde Datasheet v1.1 – Deployment

SECN Coastal Water Quality Monitoring

Station Name SEA#2
Clapboard Creek

Calibration QC Pre-Deployment

Date 02-05-2018QC'd By Battery Voltage 12.3Turbidity Wiper Replaced ☒ Y / ☐ NWiper parking 180° ☒ Y / ☐ NReplace Batteries ☐ Y / ☐ NODO Wiper Replaced ☒ Y / ☐ NWiper parking 180° ☒ Y / ☐ NIf Yes, New Voltage Free memory (days) 151Battery Life (days) 117Barometric Pressure 746.5pH7 (mv) -23.4pH10/4 (mv) -14.1/15.1Conductivity Cell Constant 5.0727ODO Gain 1.04019pH Slope -5.104170.7/176.5

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	21.29	50.00	7.00	10.00	4.00	100	0.00	126.00	126
Measured	21.62	50.24	7.05	9.90	3.93	100	0.010	1.3	122.9
Calibrate		50.00	7.00	9.98	4.00	100	0.000	0.1	

Start Time (Sonde) 12:00File Name CC02052018 Start Date 02-05-2018 Start Time (Actual) 12:45

Deployment Information

Deployed By PO/ARInstrument # SEA1 Date 02-05-2018Time 12:42

Notes

Site Observations: Fish Kill ☐ Algal Bloom ☐ Debris ☐ Hurricane / TS ☐ Other ☐

Observation Description

High tide - Sunny mid 60's

Recorded By P.O'Connor Computer Entry By AKalmbacher

Certified By

YSI Datasonde Datasheet v1.1 – Retrieval

Station Name

SECN Coastal Water Quality Monitoring

Clapboard Creek

Retrieval Information:

Retrieved By: BD/JP

Instrument # JEA 1 Date 2-19-2018 Time 10:55

Barometric Pressure 770.0 mmHg pH7 (mv) -220 pH 10 / 4 (mv) -193.3/150.4

Battery Voltage 12.4 Turbidity wiper parked 180° ☒ N ODO ☒ N

Post Calibration Date 2-19-2018 Cond. Cell Constant 50727 pH Slope 171.3/172.4

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	24.2	56.00	7.0	10.0	4.0	100	0.0	0	126
Measured	24.7	49.88	7.01	9.93	4.05	99.8	0.03	1.1	—

Fouling presence: Please record type of fouling AND amount (eg A, B, E, / H)

Types A= Algae, B= Barnacles, C= Crabs, E= Eggs, F= Fish, O= Other, N= none / Amount H=Heavy, M= Moderate, L= Light, N= None.

Sonde/Guard: N External Screen: L/A Temp/Cond: L/A

ODO Probe: L/A pH Probe: L/A Turbidity: L/A

Comments:

Clear
WarmNo-See-Ums!
High-outgoing tide

File Name CC02052018

Any Probe Malfunctions ☒ Y ☐ N

If Y, please describe above

Download File	☒ Y ☐ N	Date 2-19-2018	Initials JK
Sent Datafile	☐ Y ☐ N	Date 2-20-2018	Initials JK
Sent Datasheet	☐ Y ☐ N	Date 2-20-2018	Initials JK

Recorded By: AKalmbacher

Computer Entry By: AKalmbacher

Certified By _____

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 name.

Meter ID: SEA #2 RQ: N/A Project: CLAP BOARD C

- 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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site _____

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 01-10-2018

DO DEP-DO FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	PO'Connor	02-05-18	0925	22.2	8.70	8.70	100.0	1.04019	1.04019	P/F	L/F
ICV	PO'Connor	V	0930	22.5	8.66	8.68	100.0		1.04019	P/F	L/F
CCV	AKalmbacher	2-19-18	1600	24.7	8.31	8.29	99.8		1.04019	P/F	L/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

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

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	PO'Connor	02-05-18	0730	170720C	08-2018	50,000	50,000	P/F	L/F
ICV	V	V	0735	1124820	06-2018	24,800	25,480	P/F	L/F
CCV	AKalmbacher	2-19-18	1605	170720C	8/2018	50.00	49.880	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

PH DEP-DO FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	PO'Connor	02-05-18	0740	2708B60	01-2019	7.0	7.00	-23.4	P/F	L/F
Calibr.			0745	2711S17	10-2019	4.0	4.00	153.1	P/F	L/F
Calibr.			0750	2708A21	01-2019	10.0	9.98	-194.1	P/F	L/F
ICV	V	V	0755	2708B60	01-2019	7.0	7.02	-22.5	P/F	L/F
CCV	AKalmbacher	2-19-18	1608	2708B60	7-2019	7.0	7.01	-22.0	P/F	L/F
CCV			1610	2708A21	01-2019	10.0	9.93	-193.3	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 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth 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						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: