

YSI Datasonde Datasheet v1.1 – Retrieval

Station Name

SECN Coastal Water Quality Monitoring

Clapboard Creek

Retrieval Information:

Retrieved By:

PO/AK

Instrument # SEA 2 Date 02-05-2018 Time 12:40Barometric Pressure 746.5 mmHg pH7 (mv) -21.7 pH 10 / 4 (mv) -193.5 153.8Battery Voltage 10.3 Turbidity wiper parked 180° ☒ Y ☐ N ODO ☒ Y ☐ NPost Calibration Date 02-05-2018 Cond. Cell Constant 5.814 pH Slope 171.8/175.5

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	22.0	50.00	7.0	10.0	4.0	100	0.0	0.0	126
Measured	21.78	50.62	7.04	9.98	4.01	101.7	-0.2	-0.9	—

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: N Temp/Cond: NODO Probe: N pH Probe: N Turbidity: N

Comments:

High tide - Sunny mid 60's

File Name CC01222018

Any Probe Malfunctions

☒ Y ☐ N

If Y, please describe above

↳ Not a probe, but depth off quite a bit

Download File ☒ Y ☐ NDate 02-05-2018 Initials AKSent Datafile ☐ Y ☐ NDate 02-05-2018 Initials AKSent Datasheet ☐ Y ☐ NDate 02-05-2018 Initials AKRecorded By: A. KalmbacherComputer Entry By: A. Kalmbacher

Certified By: _____

YSI Datasonde Datasheet v1.1 – Deployment

SECN Coastal Water Quality Monitoring

Station Name

Clapboard Creek

Calibration QC Pre-Deployment

Date 1-22-2018

QC'd By

Battery Voltage 12.4

Turbidity Wiper Replaced Y/N

Wiper parking 180° Y/N

Replace Batteries Y/N

ODO Wiper Replaced Y/N

Wiper parking 180° Y/N

If Yes, New Voltage 4.47

Free memory (days) 147

Battery Life (days) 117

Barometric Pressure 765.7

pH7 (mv) -22.7

pH10/4 (mv) -193.8 / 156.4

Conductivity Cell Constant 5.18141

ODO Gain 1.000

pH Slope 179.1 / 171.1

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	22.82	50.00	7.00	10.00	4.00	100	0.0	0.0	126
Measured	22.79	50.01	7.05	9.98	4.01	100.7	0.000	-1.1	WILL NOT
Calibrate		50.00	7.00	9.98	4.00	100.7	0.000	0.2	CAL TO 126 -

Start Time (Sonde) 10:30 1st cal only

File Name CC01222018 Start Date 1-22-2018 Start Time (Actual) 10:30

Deployment Information

Deployed By PO/AK

Instrument # SEA2 Date 1-22-2018

Time 11:20

Notes

Warm ~ 77° High Tide
Light breezeSite Observations: Fish Kill ☐ Algal Bloom ☐ Debris ☐ Hurricane / TS ☐ Other ☐

Observation Description

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: JFA 2

RQ: N/A

Project: Clapboard Creek

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

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 / Fail	Lab / Field
Calibr.	AKalmbacher	1-22-18	0810	22.8	8.61	8.67	100.7	—	1.000	P/F	L/F
ICV			0815	22.8	8.61	8.66	100.7	—	1.000	(P)F	(L)F
CCV	AKalmbacher	2-05-18	1507	21.8	8.77	8.94	101.7	—	1.000	(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; 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.	AKalmbacher	1-22-18	0830	170720C	8/2018	50,000	50,000	P/F	L/F
ICV			0847	24 ^o		24,820	25,500	(P)F	L/F
CCV				1124820	6/2018			P/F	L/F
CCV	AKalmbacher	2-05-18	1510	170720C	2/2018	50,000	50,620	(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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	AKalmbacher	1-22-18	0850	2708B60	7/2019	7.0	7.00	-22.7	P/F	L/F
Calibr.			0855	2711517	10/2019	4.0	4.00	-56.4	P/F	L/F
Calibr.			0857	2706B317	12/2018	10.0	9.98	-193.8	P/F	L/F
ICV			0900	2708B60	7/2019	7.0	7.05	-22.3	(P)F	(L)F
CCV	AKalmbacher	2-05-18	1513			7.0	7.04	-21.7	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 10 171.1, slope from 4 to 7 179.1 (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	AKalmbacher	1-22-2018	0910	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: