

YSI Datasonde Datasheet v1.1 – Retrieval

Station Name

SECN Coastal Water Quality Monitoring

Clapboard Creek

Retrieval Information:

Retrieved By:

BD/AK

Instrument # SEA 2 Date 11-13-2017 Time 1035

Barometric Pressure 766 mmHg pH7 (mv) -13.8 pH 10 / 4 (mv)

Battery Voltage 11.4 Turbidity wiper parked 180° Y/N ODO Y/N

Post Calibration Date 11-13-2017 Cond. Cell Constant 5.17416 pH Slope

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	23.6	50.00	7.00			100	0.0	0.0	
Measured	23.5	50.31	7.07			99.8	0.05	0.5	

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: N

ODO Probe: N pH Probe: N Turbidity: N

Comments:

Windy, choppy conditions
~ 70°

File Name CC10302017

Any Probe Malfunctions

Y/N

If Y, please describe above

Download File Y/N

Date 11/14/2017 Initials AK

Sent Datafile Y/N

Date 11/14/2017 Initials AK

Sent Datasheet Y/N

Date 11/14/2017 Initials AK

Recorded By: AKelmbacher

Computer Entry By: AKelmbacher

Certified By:

YSI Datasonde Datasheet v1.1 – Deployment

SECN Coastal Water Quality Monitoring

Station Name
Clapboard Crk

Calibration QC Pre-Deployment

Date 10-30-2017

QC'd By

Battery Voltage 11.8 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 Free memory (days) 185 Battery Life (days) 116

Barometric Pressure 762.2 pH7 (mv) -12.2 pH10/4 (mv) -184.1

Conductivity Cell Constant 5.17416 ODO Gain 0.995 pH Slope 169.3

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	22.3	50.00	7.0	10.0	4.0	100	0.0	0.0	126.0
Measured	21.79	50.01	7.06			99.3	0.02	0.1	Will not
Calibrate		50.01	7.0	10.0	4.0	100.2	0.0	0.0	calibrate to

File Name CC10302017 Start Date 10-30-2017 Start Time (Sonde) 9:00 Start Time (Actual) 10:00

126.0
OUT OF
RANGE

Deployment Information

Deployed By BD/AK

Instrument # JEA 2 Date 10-30-2017

Time 10:43

Notes

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

Observation Description

Windy, mid 50's, low tide

Recorded By A. Kalmbacher Computer Entry By A. Kalmbacher

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 page.

Meter

JEA2

RQ-

Project

Clayboard Creek

- 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

DO FDEP 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.	A Kalmbacher	10-30-17	0820	22.2	8.70	8.71	100.2	N/A	0.995	P	L
ICV			0825	21.8	8.77	8.67	99.3	N/A	0.995	P	L
CCV	A Kalmbacher	11-13-17	1345	23.5	8.49	8.47	99.8	N/A	0.995	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.

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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	A Kalmbacher	10-30-17	0830	170720C	8/2018	50,000	50,010		
ICV			0835	1124820	6/18	24.820	25.150	P	L
CCV	A Kalmbacher	11-13-17	1350	170720C	8/2018	50,000	50,310	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	A Kalmbacher	10-30-17	0840	2707656	6/19	7.0	7.00	-14.2		
Calibr.			0845	270816	9/19	4.0	4.00	103.3		
Calibr.			0850	2704798	9/18	10.0	10.00	-184.0		
ICV			0852	2707656	6/19	7.0	7.06	-12.3	P	L
CCV			1250	2707656	6/19	7.0	7.02	-18.8	P	L
CCV	A Kalmbacher	11-13-17	1355	2707656	6/19	7.0	7.07	-13.8	P	L

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU;

mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 50;

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

Depth (Quarterly)

Date of Last Depth Verification

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass/ Fail	Lab/ Field
Pressure mode in air	A Kalmbacher	10-30-17	0900	0.000	0.02	P	L

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