

YSI Datasonde Datasheet v1.1 – Deployment

SECN Coastal Water Quality Monitoring

Station Name

Clayboard Creek

Calibration QC Pre-Deployment

Date 10-16-2017

QC'd By

Battery Voltage 11.9 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 1 Free memory (days) 24.9 Battery Life (days) 117

Barometric Pressure 761.4 pH7 (mv) -18.9 pH10/4 (mv) -190. / 151.5

Conductivity Cell Constant 5.1612 ODO Gain 1.09824 pH Slope

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	24.2	50.00	7.00	10.00	4.00	100	0.0	0.0	126.0
Measured	23.98	50.00	7.08	9.99	4.00	100.4	0.0	0.4	125.6
Calibrate		50.00	7.00	10.99	4.00	100.4	0.0	0.0	125.9

Start Time (Sonde) 9:00

File Name CC10162017 Start Date 10-16-2017 Start Time (Actual) 10:00

Deployment Information

Deployed By BD/AR

Instrument # JEA1 Date 10-16-2017 Time 2:10

Notes

High Tide, Partly cloudy high 80's

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

Observation Description

Recorded By A. Kalmbacher Computer Entry By A. Kalmbacher

Certified By

YSI Datasonde Datasheet v1.1 – Retrieval

Station Name

SECN Coastal Water Quality Monitoring

Clapham Creek

Retrieval Information:

Retrieved By:

BD/AK

Instrument # JEA1 Date 10-30-2017 Time 10:42

Barometric Pressure 762.2 mmHg pH7 (mv) -18.8 pH 10 / 4 (mv) 190.6 / 155.3

Battery Voltage 11.6 Turbidity wiper parked 180° (Y) N ODO (Y) N

Post Calibration Date 10-30-2017 Cond. Cell Constant 5.1612 pH Slope

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	21.16	50.00	7.00	10.00	4.00	100.	0.00	0.0	
Measured	21.28	49.55	7.02	10.02	3.96	100.6	0.007	6.4	

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: C External Screen: C Temp/Cond: A

ODO Probe: N pH Probe: N Turbidity: N

Comments:

Windy, mid 50's, low tide

File Name CC10102017

Any Probe Malfunctions

Y/N

If Y, please describe above

Download File

Y/N

Date 10-30-17

Initials

AK

Sent Datafile

Y/N

Date 10-31-17

Initials

AK

Sent Datasheet

Y/N

Date 10-31-17

Initials

AK

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 name.

Meter JEAI 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 10/10/2017

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.	A Kalmbacher	10-16-17	0820	24.0	8.41	8.43	100.4	—	1.0824		
ICV			0825	24.1	8.40	8.41	100.7	—	1.0824	P	L
CCV	A Kalmbacher	10-30-17	1230	21.28	8.88	8.91	100.6	—	1.0824	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	10-16-17	0830	170720C	8/2018	50.00	50.00		
ICV						50.00	50.00	P	L
CCV	A Kalmbacher	10-30-17	1242	170720C	8/2018	50.00	50.00	P	L
CCV									

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

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.	A Kalmbacher	10-16-17	0840	2707656	6/2019	7.0	7.0	-18.9		
Calibr.			0842	2707722	6/2019	4.0	4.0	-151.5		
Calibr.			0845	2704798	9/2018	10.0	9.99	-170.0		
ICV			0848	2707656	6/2019	7.0	7.03	-19.4	P	L
CCV	A Kalmbacher	10-30-17	1250	2707656	6/2019	7.0	7.02	-18.8	P	L
CCV										

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	10-16-2017	0850	0.000	0.00	P	L

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