

YSI Datasonde Datasheet v1.1 - Deployment

SECN Coastal Water Quality Monitoring

Station Name

Clayboard Creek

Calibration QC Pre-Deployment

Date 5/14/2018

QC'd By

Battery Voltage

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 13.0

Free memory (days) 86.6

Battery Life (days) 117

Barometric Pressure 768.7

pH7 (mv) -4.6

pH10/4 (mv)

Conductivity Cell Constant 5.08974

ODO Gain 0.99951

pH Slope

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	23.5	50.00	7.00			100	0.00	0.0	126
Measured	23.7	50.00				100.1	0.002	-1.0	127.5
Calibrate		50.00	7.00			100.4	0.00	0.2	126

Start Time (Sonde) 9:00

File Name CC05142018 Start Date 5-14-2018

Start Time (Actual) 10:00

Deployment Information

Deployed By BD/AK

Instrument # JEA 2 Date 5-14-2018

Time 10:54

Notes

High tide - outgoing light rain ~ 80°
DEPLOYED WITHOUT pH PROBE (could not calibrate 2 different probes - suspect port problem)

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

Observation Description

High tide - outgoing
light rain approx 80°

Recorded By A. Kalmbacher Computer Entry By A. Kalmbacher

Certified By

YSI Datasonde Datasheet v1.1 – Retrieval

Station Name

SECN Coastal Water Quality Monitoring

Clapboard Creek

Retrieval Information:

Retrieved By: BD/AKInstrument # SEA 2 Date 5-29-2018 Time 11:35Barometric Pressure 759.6 mmHg pH7 (mv) — pH 10 / 4 (mv) —Battery Voltage 12.0 Turbidity wiper parked 180° Y / N ODO Y / NPost Calibration Date 5-29-2018 Cond. Cell Constant 5.08974 pH Slope —

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	<u>24.53</u>	<u>50.00</u>	<u>NO PH PROBE</u>			<u>100</u>	<u>0.0</u>	<u>0.0</u>	<u>126</u>
Measured	<u>24.61</u>	<u>49.91</u>				<u>100.4</u>	<u>0.06</u>	<u>1.4</u>	<u>—</u>

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: A/L Temp/Cond: A/LODO Probe: A/L pH Probe: N/A Turbidity: A/L

Comments:

Outgoing tide → High tide
Lots of rain past week
Mid 80's

File Name CC05142018Any Probe Malfunctions (Y) N

Ran without

If Y, please describe above

pH probe

Download File	<u>(Y) N</u>	Date <u>5-29-2018</u>	Initials <u>AK</u>
Sent Datafile	<u>(Y) N</u>	Date <u>5-29-2018</u>	Initials <u>AK</u>
Sent Datasheet	<u>(Y) N</u>	Date <u>5-29-2018</u>	Initials <u>AK</u>

Recorded By: A. KelmbacherComputer Entry By: A. Kelmbacher

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 ID:

RQ-

Project: Claybrook 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.	A Kalmbacher	5-14-18	0815	23.8	8.44	8.47	100.4		0.9951	P / F	L / F
ICV			0817	23.8	8.44	8.45	100.1		0.9951	P / F	L / F
CCV	A Kalmbacher	5-29-18	1425	24.7	8.31	8.33	100.4		0.9951	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.	A Kalmbacher	5-14-18	0830	1707206	8/2018	50,000	50,000	P / F	L / F
ICV			0834	1124820	6/2018	24,820	25,300	P / F	L / F
CCV	A Kalmbacher	5-29-18	1430	1707206	8/2018	50,000	49,910	P / F	L / F
CCV								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.	A Kalmbacher	5-14-18				7.0	7.00	-4.6	P / F	L / F
Calibr.						4.0			P / F	L / F
Calibr.						10.0			P / F	L / F
ICV									P / F	L / F
CCV									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 _____, 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: