

YSI Datasonde Datasheet v1.1 – Deployment

SECN Coastal Water Quality Monitoring

Station Name

Clapboard Creek

Calibration QC Pre-Deployment

Date 12-18-2018

QC'd By

Battery Voltage 11.0 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) 121 Battery Life (days) 104

Barometric Pressure 761.5 pH7 (mv) -31.4 pH10/4 (mv) -196.6/136.5

Conductivity Cell Constant 5.04057 ODO Gain 1.01367 pH Slope 168.1/165.0

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	22.0	50.00	7.0	10.0	4.0	100	0.0	0.0	126.0
Measured	22.3	50.01	7.05	10.5	4.62	100.1	0.001	0.5	—
Calibrate		49.99	7.0	9.99	4.0	100.1	0.0	0.0	125.5

Start Time (Sonde) 10:00

File Name C012182018 Start Date 12-18-2018 Start Time (Actual) 10:00

Deployment Information

Deployed By RD, CR, AK

Instrument # JEA1 Date 12-18-2018 Time 11:10

Notes

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

Observation Description

Recorded By A. Kelmbacher Computer Entry By A. Kelmbacher

Certified By

YSI Datasonde Datasheet v1.1 – Retrieval

Station Name

SECN Coastal Water Quality Monitoring

Clapboard Creek

Retrieval Information:

Retrieved By:

BD/AK

Instrument # JEA 1

Date 1-2-2019

Time 11:20

Barometric Pressure 762.8 mmHg pH7 (mv) 30.7 pH 10 / 4 (mv) 168.7 / 168.6

Battery Voltage 10.7 Turbidity wiper parked 180° (Y) N ODO (Y) N

Post Calibration Date 1-2-2019 Cond. Cell Constant 4.94603 pH Slope 138.0 / 197.3

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	22.9	50.00	7.0	10.0	4.0	100	0.0	0.0	126
Measured	22.8	47.42	7.01	9.99	3.99	99.7	0.01	0.5	—

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

→ 50.34

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: N

ODO Probe: N pH Probe: N Turbidity: N

Comments:

Low Tide, calm surface, pt. cloudy
high 70°

File Name CC12182018

Any Probe Malfunctions

Y (N)

If Y, please describe above

Download File (Y) N

Date 1-2-2019 Initials AK

Sent Datafile (Y) N

Date 1-3-2019 Initials AK

Sent Datasheet (Y) N

Date 1-3-2019 Initials AK

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:

JEAI

RQ:

Project:

Clayboard 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.	AKulmbacher	12-17-18	0900	22.4	8.67	8.68	100.1	—	1.0136	P/F	L/F
ICV			0905	22.2	8.70	8.69	100.1	—	1.0136	(P)F	(L)F
CCV	AKulmbacher	1-2-19	1440	22.9	8.59	8.55	99.7	—	1.0136	(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.	AKulmbacher	12-17-18	0910	180919	9/2019	50,000	49.999	P/F	L/F
ICV			0912	102482	9/2019	24.82	24.900	(P)F	(L)F
CCV	AKulmbacher	1-2-19	1445	180919	9/2019	50,000	47.920	(P)F	(L)F
CCV							50,340	(P)F	(L)F

Conductivity Acceptance criteria $\pm 5\%$

→ tried additional rinse, improved reaching

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.	AKulmbacher	12-17-18	0915	2809841	8/2020	7.0	7.0	-31.6	P/F	L/F
Calibr.			0918	2810852	9/2020	4.0	4.0	186.5	P/F	L/F
Calibr.			0921	1806F51	12/2019	10.0	9.99	-146.6	P/F	L/F
ICV			0923	2809841	8/2020	7.0	7.05	-32.9	(P)F	(L)F
CCV	AKulmbacher	1-2-19	1450	2809841	8/2020	7.0	7.01	-30.7	(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 10 165.0, slope from 4 to 7 168.1 (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	AKulmbacher	12-17-18	0925	0.00	0.001	(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: