

YSI Datasonde Datasheet v1.1 – Deployment

SECN Coastal Water Quality Monitoring

Station Name

Clayboard Creek

Calibration QC Pre-Deployment

Date 11-29-2018

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 Free memory (days) 185 Battery Life (days) 117

Barometric Pressure 759.5 pH7 (mv) 30.6 pH10/4 (mv) 186.6/129.1

Conductivity Cell Constant 4.90729 ODO Gain 0.99395 pH Slope 156.6/159.7

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	21.6	50.0	7.0	10.0	4.0	100	0.0	0.0	126.0
Measured	21.7	50.0	7.00	9.94	3.84	100.0	0.002	0.3	127.3
Calibrate		50.0	6.99	9.98	3.99	100.0	0.00	0.0	127.6

Start Time (Sonde) 12:00

File Name CC11292018 Start Date 11-29-2018 Start Time (Actual) 12:00

Deployment Information

Deployed By BD/AK

Instrument # JEA 2 Date 11-29-2018

Time

Notes

pH probe is last available probe in lab - mv range is off - data may need to be qualified

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

Observation Description

Cool, Windy High Tide
↳ Low 60's

Recorded By AKalmbacher Computer Entry By AKalmbacher

Certified By

YSI Datasonde Datasheet v1.1 – Retrieval

SECN Coastal Water Quality Monitoring

Station Name

Clapham Creek

Retrieval Information:

Retrieved By:

BD/AK

Instrument #

SEA 2

Date

12-18-2018

Time

11:10

Barometric Pressure

759.2

mmHg

pH7 (mv)

-22.7

pH 10 / 4 (mv)

-180.8

Battery Voltage

11.1

Turbidity wiper parked 180°

(Y) / N

ODO

(Y) N

Post Calibration Date

12-18-2018

Cond. Cell Constant

4.9072

pH Slope

158.7

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	21.5	50.00	7.0	10.0	4.0	100.0	0.0	0.0	126.0
Measured	21.6	50.01	6.88	9.85	3.82	100.1	-0.09	0.2	—

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:

N

ODO Probe:

N

pH Probe:

N

Turbidity:

N

Comments:

File Name CC11292018

Any Probe Malfunctions

(Y) / (N)

If Y, please describe above

Download File

(Y) / N

Date 12-18-2018

Initials

AK

Sent Datafile

Y / N

Date 12-19-2018

Initials

AK

Sent Datasheet

Y / N

Date 12-19-2018

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)

Boildy "X" this box if there are qualified data on this page.

Meter ID:

RQ-

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.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	AKalmbacher	11-29-2018	0820	22.2	759.5	8.10	8.10	100		0.9395	P / F	L / F
ICV			0824	22.3	759.5	8.60	8.69	100		0.9395	(P) / F	(L) F
CCV	AKalmbacher	12-18-18	1530	20.3		9.08	9.05	100.1		0.9395	(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 (Pro DSS 0.75 to 1.50); 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	11-29-2018	0830	180919	9/2019	50,000	50,000	P / F	L / F
ICV			0832	102480	9/2019	24,320	24,580	(P) / F	(L) F
CCV	AKalmbacher	11-29-2018	1535	180919	9/2019	50,000	50,010	(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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	AKalmbacher	11-29-18	0840	2803E45	3/2020	7.	21.5	6.99	-64	P / F	L / F
Calibr.			0843	2806975	6/2020	4.	21.6	3.99	129.1	P / F	L / F
Calibr.			0847	1806F51	12/2019	10.	21.8	9.98	-186.6	P / F	L / F
ICV			0850	2803E45	3/2020	7.0	21.7	7.00	31.0	(P) / F	(L) F
CCV	AKalmbacher	11-29-18	1540	2803E45	3/2020	7.0	21.5	6.88	-22.1	(P) / F	(L) F
CCV										P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50;

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

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

If mV are recorded: slope from 7 to 10 156.0, slope from 4 to 7 159.7 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification:

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: ; Date of last 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	11-29-2018	0835	0.00	0.002	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: * slope for mV outside of range - using last "semi-usable" pH probe available in the lab!