

YSI Datasonde Datasheet v1.1 – Retrieval

Station Name

SECN Coastal Water Quality Monitoring

Clapboard Creek

Retrieval Information:

Retrieved By:

PO/JP

Instrument #

SEA 2

Date

4-26-2018

Time

10:17 DST

Barometric Pressure

758.9

mmHg

pH7 (mv)

-32.6

pH 10 / 4 (mv)

-194.7

/135.7

Battery Voltage

12.3

Turbidity wiper parked 180°

☒ Y / ☐ N

ODO

☒ Y / ☐ N

Post Calibration Date

4-26-2018

Cond. Cell Constant

5.1873

pH Slope

162.1/108.3

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	23.9	50.00	7.00	10.00	4.00	100	0.0	0.0	—
Measured	24.1	50.72	7.41	10.62	4.05	100.9	-0.08	-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:

Partly cloudy, outgoing tide
~ 80°pH values recorded
~ .20 higher than
usual

File Name

CC0412018

Any Probe Malfunctions

☒ Y / ☐ N

pH probe off

If Y, please describe above

on 7 & 10 - slope failed *

Download File

☒ Y / ☐ N

Date

4-27-2018

Initials

AK

Sent Datafile

☒ Y / ☐ N

Date

4-27-2018

Initials

AK

Sent Datasheet

☒ Y / ☐ N

Date

4-27-2018

Initials

AK

Recorded By:

A. Kelmbacher

Computer Entry By:

A. Kelmbacher

Certified By

YSI Datasonde Datasheet v1.1 – Deployment

SECN Coastal Water Quality Monitoring

Station Name

Clapboard Creek

Calibration QC Pre-Deployment

Date 4-11-2018

QC'd By _____

Battery Voltage 12.3 Turbidity Wiper Replaced Y/N Wiper parking 180° Y/NReplace Batteries Y/N ODO Wiper Replaced Y/N Wiper parking 180° Y/NIf Yes, New Voltage _____ Free memory (days) 101 Battery Life (days) 117Barometric Pressure 766.5 pH7 (mv) -25.2 pH10/4 (mv) -193.8/144.0Conductivity Cell Constant 5.0626 ODO Gain 1.00554 pH Slope 168.6/169.2

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	20.16	50.00	7.0	10.0	4.0	100	0.0	0	126
Measured	20.51	50.03	7.01	9.99	4.01	100.9	0.00	0.7	
Calibrate		50.61	7.00	9.98	4.00	100.9	0.00	0.0	124.7

Start Time (Sonde) 8:00 amFile Name CC04122018 Start Date 4-12-2018 Start Time (Actual) 9:00 am

Deployment Information

Deployed By BD/ARInstrument # SEA 2 Date 4-12-2018Time 10:18

Notes

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

Observation Description

Partly cloudy outgoing 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)

Holdly "X" the
data is
qu... data on
this n...

Meter ID:

JEA 2

RQ-

Project:

Claphorn 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	4-11-18	0930	20.3	9.03	9.11	100.9		1.0053	P/F	L/F
ICV			0933	20.4	9.02	9.10	100.9		1.0054	P/F	L/F
CCV	A Kalmbacher	4-26-18	1415	22.9	8.59	8.63	100.9		1.0054	P/F	L/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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	4-11-18	0940	170720C	8/2018	50,000	50,000	P/F	L/F
ICV			0945	1124820	6/2018	24,820	25,510	P/F	L/F
CCV	A Kalmbacher	4-26-18	1420	170720C	8/2018	50,000	50,720	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	4-11-18	1000	2711C81	11/2019	7.0	7.00	-25.2	P/F	L/F
Calibr.			1005	2711517	10/2019	4.0	4.00	14.40	P/F	L/F
Calibr.			1008	2711527	4/2019	10.0	9.98	-193.8	P/F	L/F
ICV			1010	2711C81	11/2019	7.0	7.01	-25.7	P/F	L/F
CCV	A Kalmbacher	4-26-18	1430	2711527	4/2019	10.0	10.62		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	A Kalmbacher	4-11-18	1014	0.00	0.00	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: