

YSI Datasonde Datasheet v1.1 – Deployment

SECN Coastal Water Quality Monitoring

Station Name

Clapboard Creek

Calibration QC Pre-Deployment

Date 11-30-2017

QC'd By

Battery Voltage 12.3

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) 170

Battery Life (days) 117

Barometric Pressure 365.9

pH7 (mv) -15.8

pH10/4 (mv) -187.7 / 160.3

Conductivity Cell Constant 5.14842

ODO Gain 0.99646

pH Slope 171.9 / 176.1

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	22.9	50.00	7.00	10.00	4.00	100	0.0	0.0	126
Measured	22.7	50.02	7.01	9.98	3.99	100.9	0.0	-0.1	130.0
Calibrate		50.02	7.00	9.98	3.98	100.8	0.0	0.0	117

Start Time (Sonde) 10:00

File Name CC11302017 Start Date 11-30-2017 Start Time (Actual) 10:00

Deployment Information

Deployed By PO/AR

Instrument # JEA 2 Date 11-30-2017

Time 10:25

Notes

Outgoing Tide, ~70°, Calm
partly cloudySite 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

SECN Coastal Water Quality Monitoring

Station Name

Clapboard Creek

Retrieval Information:

Retrieved By:

BD/AK

Instrument # JEA 2 Date 12-21-2017 Time 0950

Barometric Pressure 762.7 mmHg pH7 (mv) -15.8 pH 10 / 4 (mv) -188.6 / 158.7

Battery Voltage 12.3 Turbidity wiper parked 180° Y / N ODO Y / N

Post Calibration Date 12-21-2017 Cond. Cell Constant 5.14842 pH Slope 7.4 / 172.8 / 7.10 / 174.5

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	22.9	50.00	7.00	10.00	4.00	100.0	0.0	0.0	
Measured	22.7	50.20	7.01	9.99	4.00	100.9	-0.03	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: N External Screen: N Temp/Cond: N

ODO Probe: N pH Probe: N Turbidity: N

Comments:

High tide - outgoing
Calm mid 70's

File Name CC11302017

Any Probe Malfunctions

Y (N)

If Y, please describe above

Download File

Y (N)

Date 12-21-2017 Initials AK

Sent Datafile

Y / N

Date 12-22-2017 Initials AK

Sent Datasheet

Y / N

Date 12-22-2017 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 ID: SEA 2

RQ: —

Project: Clapboard Crk

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	11-30-17	0800	22.8	8.61	8.68	100.8	N/A	0.99646	P/F	L/F
ICV			0805	22.8	8.61	8.69	100.9		0.99646	(P)F	(L)F
CCV	A Kalmbacher	11-30-17	1145	22.6	8.64	8.65	100.1			(P)F	(L)F
CCV	A Kalmbacher	12-21-17	1300	22.7	8.62	8.69	100.9		0.99646	(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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	A Kalmbacher	11-30-17	0810	170720C	8/2018	50,000	50,020	P/F	L/F
ICV			0813	1129820	6/2018	24.820	25.430	(P)F	(L)F
CCV	A Kalmbacher	12-21-17	1305	170720C	8/2018	50,000	50,200	(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	11-30-17	0823	2708R60	7-2019	7.0	7.00	-15.8	P/F	L/F
Calibr.			0825	2710816	9-2019	4.0	3.98	160.3	P/F	L/F
Calibr.			0828	27060317	12-2018	10.0	9.98	-187.7	P/F	L/F
ICV			0830	2708B60	7-2019	7.00	7.01	-15.9	(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	A Kalmbacher	11-30-17	0820	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: