

YSI Datasonde Datasheet v1.1 – Deployment

SECN Coastal Water Quality Monitoring

Station Name

Clayboard Creek

Calibration QC Pre-Deployment

Date 8-26-2019

QC'd By _____

Battery Voltage _____

Turbidity Wiper Replaced Y / NWiper parking 180° Y / NReplace Batteries (Y) / NODO Wiper Replaced (Y) / NWiper parking 180° (Y) / NIf Yes, New Voltage 12.3Free memory (days) 204Battery Life (days) 201Barometric Pressure 756.9pH7 (mv) —pH10/4 (mv) —

Conductivity Cell Constant

5.07163

ODO Gain

1.02023

pH Slope

—

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	23.8	50.00				100	0.0		
Measured	23.7	50.01				99.3	0.00		
Calibrate	—	50.00				100.0	0.00		

Start Time (Sonde) 8:50File Name CL08262019Start Date 08-26-2019Start Time (Actual) 9:30

Deployment Information

Deployed By CR/AKInstrument # SEA 1Date 8-26-2019Time 9:37

Notes

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

Observation Description

Overcast, swift outgoing current
~90° 10 mph SE wind

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/AK

Instrument #

JEA 1

Date

9-10-2019

Time

10:28

Barometric Pressure

765

mmHg

pH7 (mv)

pH 10 / 4 (mv)

Battery Voltage

12.3

Turbidity wiper parked 180°

Y / N

ODO

(Y) N

Post Calibration Date

9-10-2019

Cond. Cell Constant

4.8869

pH Slope

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	26.17	50.00				100	0.0		
Measured	26.09	49.67				100.2	0.05		

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:

Outgoing tide
Hot! Building clouds

File Name CC08262019

Any Probe Malfunctions

Y / (N)

If Y, please describe above

Download File

(Y) / N

Date

9-10-2019

Initials

AK

Sent Datafile

(Y) / N

Date

9-11-2019

Initials

AK

Sent Datasheet

(Y) / N

Date

9-11-2019

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 are qualified data on this page.

Meter ID:

JEA 1

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.

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.	A Kalmbacher	8-26-2019	0825	21.9	756.9	8.7	8.72	100.0		1.0223	P / F	L / F
ICV			0827	22.3	756.9	8.6	8.62	99.3		1.0223	(P) / F	(L) / F
CCV	A Kalmbacher	9-10-19	1445	26.3	765	8.2	8.09	100.2			(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.	A Kalmbacher	8-26-19	0835	190711C	7/2020	50,000	50,000	P / F	L / F
ICV			0837	190711C	7/2020	50,000	50,010	(P) / F	(L) / F
CCV			0840	719820	12/2019	24,820	24,080	(P) / F	(L) / F
CCV	A Kalmbacher	9-10-19	1450	190711C	7/2020	50,000	49,670	(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.						7.				P / F	L / F
Calibr.						4.				P / F	L / F
Calibr.						10.				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 $\pm$ 50;

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

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

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 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	A Kalmbacher	8-26-19	0833	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: