

YSI Datasonde Datasheet v1.1 – Deployment

SECN Coastal Water Quality Monitoring

Station Name

Clapboard Creek

Calibration QC Pre-Deployment

Date 9-23-2019

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) 188 Battery Life (days) 201

Barometric Pressure 763.2 pH7 (mv) pH10/4 (mv)

Conductivity Cell Constant 4.88819 ODO Gain 1.03914 pH Slope

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	24.45	50.00				100	0.00		
Measured	24.34	49.98					0.00		
Calibrate		49.99				100.5	0.00		

Start Time (Sonde) 8:45 EST

File Name CC09232019 Start Date 09-23-2019 Start Time (Actual) 9:45 ~~EST~~ EDT

Deployment Information

Deployed By CR/AK

Instrument # JEA 1 Date 9/23/2019

Time 9:50 EDT

Notes

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

Observation Description

Partly cloudy
~ 10 mph wind outgoing tide

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 Crk

Retrieval Information:

Retrieved By:

BD/AK

Instrument # JEA 1 Date 10-14-2019 Time 9:52 EDT

Barometric Pressure 758.8 mmHg pH7 (mv) pH 10 / 4 (mv)

Battery Voltage 6.8 Turbidity wiper parked 180° Y / N ODO (Y) / N

Post Calibration Date 10-14-2019 Cond. Cell Constant 4.88819 pH Slope

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	23.8	50.00				100	0.0		
Measured	24.2	49.59				101.9	-0.012		

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:

High, high tide - housing submerged by approx 8"

80's partly cloudy, outgoing tide

File Name CC09232019

Any Probe Malfunctions

Y (N)

If Y, please describe above

Download File

(Y) / N

Date 10-14-2019 Initials AK

Sent Datafile

(Y) / N

Date 10-15-2019 Initials AK

Sent Datasheet

(Y) / N

Date 10-15-2019 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:

JEAI

RQ:

Project:

Clapham 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	9-23-19	0823	24.6	763	8.4	8.37	100.5		1.03914	P / F	L / F
ICV			0825	24.6	763	8.4	8.39	100.9		1.03914	(P) F	(L) F
CCV	A Kalmbacher	10-14-19	1210	24.4	758.8	8.4	8.48	101.9		1.03914	(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	9-23-19	0830	190711C	7/2020	50,000	49,990	P / F	L / F
ICV			0834	719820	12/2019	24,820	24,530	(P) F	(L) F
CCV	A Kalmbacher	10-14-19	1215	190711C	7/2020	50,000	49,590	(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.						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 ± 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)

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	9-23-19	0840	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: