

YSI Datasonde Datasheet v1.1 – Deployment

SECN Coastal Water Quality Monitoring

Station Name

Clapboard Crk

Calibration QC Pre-Deployment

Date 6-24-2019

QC'd By

Battery Voltage 11.0 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) 72.5 Battery Life (days) 103

Barometric Pressure 761.3 pH7 (mv) pH10/4 (mv)

Conductivity Cell Constant 4.97387 ODO Gain 0.994 pH Slope

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	25.1	50.00				100	0.0		
Measured	24.9	49.58					0.002		
Calibrate		50.00					0.0		

Start Time (Sonde) 8:00

File Name CC06242019 Start Date 6-24-2019 Start Time (Actual) 9:00

Deployment Information

Deployed By BD/CR/AK

Instrument # JEA 2 Date 6-24-2019

Time 10:25

Notes

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

Observation Description

Hot, incoming tide, Partly cloudy, mid 90's

Recorded By AKelmbacher Computer Entry By AKelmbacher

Certified By

YSI Datasonde Datasheet v1.1 – Retrieval

Station Name

SECN Coastal Water Quality Monitoring

Clayboard Creek

Retrieval Information:

Retrieved By:

BD/KA/AK

Instrument # JEA 2 Date 7-15-2019 Time 10:50

Barometric Pressure 762.3 mmHg pH7 (mv) pH 10 / 4 (mv)

Battery Voltage 10.4 Turbidity wiper parked 180° Y / N ODO Y / N

Post Calibration Date 7-15-2019 Cond. Cell Constant 497387 pH Slope

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	25.3	24.82				100	0.0		
Measured	25.1	24.56				100.6	0.03		

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: F External Screen: N Temp/Cond: N

ODO Probe: N pH Probe: N Turbidity: N

Comments:

Very hot, clear skies, high tide-outgoing
Completely out of 50,000 μ mhos cond. std - had to use
24.820 for post cal

File Name CC06242019

Any Probe Malfunctions

Y / (N)

If Y, please describe above

Download File	(Y) / N	Date 7-15-2019	Initials AK
Sent Datafile	(Y) / N	Date 7-16-2019	Initials AK
Sent Datasheet	(Y) / N	Date 7-16-2019	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:

SEA 2

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.	AKalmbacher	6-24-19	0755	24.3	761.3	8.4	8.39	100.3	—	0.994	P / F	L / F
ICV			0800	24.3	761.3	8.4	8.39	100.3	—	0.994	(P) / F	(L) / F
CCV	AKalmbacher	7-15-19	1225	24.8	762.3	8.3	8.28	100.6	—	0.994	(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	6-24-19	0803	180719	9/2019	50,000	50,000	P / F	L / F
ICV			0805	1014318	9/2019	1413	1465	(P) / F	(L) / F
CCV	AKalmbacher	7-15-19	1230	719820	12/2019	24,820	24,560	(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	6-24-19				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	AKalmbacher	6-24-19	0810	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: