

YSI Datasonde Datasheet v1.1 - Deployment

SECN Coastal Water Quality Monitoring

Station Name

Clapboard Creek

Calibration QC Pre-Deployment

Date 4-22-2019

QC'd By

Battery Voltage 11.5Turbidity Wiper Replaced Y / (N)Wiper parking 180° (Y) / N

out not sweeping

Replace Batteries Y / NODO Wiper Replaced (Y) / NWiper parking 180° (Y) / N

If Yes, New Voltage

Free memory (days) 64.9Battery Life (days) 113Barometric Pressure 764.5pH7 (mv) -39.9pH10/4 (mv) -200.8 / 23.9Conductivity Cell Constant 4.94265ODO Gain 1.02549pH Slope 163.8 / 1609

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	<u>22.87</u>	<u>50.00</u>	<u>7.0</u>	<u>10.0</u>	<u>4.0</u>	<u>100</u>	<u>0.0</u>	<u>0.0</u>	<u>126.0</u>
Measured	<u>22.74</u>	<u>50.02</u>	<u>6.99</u>	<u>10.02</u>	<u>3.99</u>	<u>100.3</u>	<u>0.00</u>	<u>0.1</u>	<u>114.2</u>
Calibrate		<u>50.00</u>	<u>7.0</u>	<u>10.0</u>	<u>4.0</u>	<u>100</u>	<u>0.000</u>	<u>0.1</u>	<u>126.1</u>

Start Time (Sonde) 9:30File Name CC04222019Start Date 4-22-2019Start Time (Actual) 10:30

Deployment Information

Deployed By BD/AKInstrument # JEAIDate 4-22-2019Time 10:25

Notes

Turbidity sweeper not working - problem is with port

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

Observation Description

High Tide 70°+ Blue Skies
~ 5 mph windRecorded By A. Kalmbacher

Computer Entry By

A. Kalmbacher

Certified By

YSI Datasonde Datasheet v1.1 – Retrieval

Station Name

SECN Coastal Water Quality Monitoring

Clapham Creek

Retrieval Information:

Retrieved By:

BD/AK

Instrument # JEA 1 Date 5-16-2019 Time 10:50 (sonde time)

Barometric Pressure 761.2 mmHg pH7 (mv) -36.1 pH 10 / 4 (mv) -195.5 / 114.4

Battery Voltage 10.9 Turbidity wiper parked 180° ☒ Y ☐ N ODO ☒ Y ☐ N

Post Calibration Date 5-16-2019 Cond. Cell Constant 4.94265 pH Slope 159.4 / 150.5

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	24.3	50.0	7.0	10.0	4.0	100	0.00	0.0	126
Measured	24.1	50.00	6.95	9.88	4.17	100.3	-0.06	-8.4*	—

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:

Sonde completely clean - no fouling

*Turbidity sweeper does not work

File Name CC04222019

Any Probe Malfunctions

☒ Y ☐ N

If Y, please describe above

↳ Turbidity sweeper not sweeping

Download File

☒ Y ☐ N

Date 5-16-2019 Initials AK

Sent Datafile

☒ Y ☐ N

Date 5-17-2019 Initials AK

Sent Datasheet

☒ Y ☐ N

Date 5-17-2019 Initials AK

Recorded By:

AKelmbacher

Computer Entry By:

AKelmbacher

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:

RQ-

Project: Clayboard 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	P/F	L/F
Calibr.	AKalmbacher	4-22-19	0835	22.3	764.5	8.7	8.68	100		1.02549	P/F	L/F
ICV			0838	22.3	764.5	8.7	8.71	100.3		1.02549	P/F	L/F
CCV	AKalmbacher	5-16-19	1525	26.0	761.2	8.1	7.99	100.3		1.02549	P/F	L/F
CCV							8.00				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	P/F	L/F
Calibr.	AKalmbacher	4-22-19	0840	180919	09/2019	50,000	50,000	P/F	L/F	
ICV			0845	0924820	6/2020	24,820	23,780	P/F	L/F	
CCV	AKalmbacher	5-16-19	1530	180919	09/2019	50,000	50,004	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	P/F	L/F
Calibr.	AKalmbacher	4-22-19	0850	2811E61	11/2020	7.	22.8	7.00	-39.9	P/F	L/F	
Calibr.			0853	2901A40	1/2021	4.	22.8	4.00	123.9	P/F	L/F	
Calibr.			0855	2809980	3/2020	10.	22.8	10.0	-200.8	P/F	L/F	
ICV			0900	2811E61	1/2021	7.0	22.8	6.99	-39.3	P/F	L/F	
CCV	AKalmbacher	5-16-19	1535	2811E61	11/2020	7.0	26.0	6.95	-36.1	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 10 160.9, slope from 4 to 7 163.8 (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	P/F	L/F
Pressure mode in air	AKalmbacher	4-22-19	0848	0.0	0.0	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: