

YSI Datasonde Datasheet v1.1 - Deployment

SECN Coastal Water Quality Monitoring

Station Name

Clapboard Creek

Calibration QC Pre-Deployment

Date 6-3-2019

QC'd By

Battery Voltage 4.0

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) 40.5

Battery Life (days) 104

Barometric Pressure 755.6

pH7 (mv)

pH10/4 (mv)

Conductivity Cell Constant 4.85925

ODO Gain 1.02347

pH Slope

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	23.89	50.00				100	0.0		
Measured	23.92	50.00				99.3	0.00		
Calibrate		49.98				99.6	0.00		

Start Time (Sonde) 8:45

File Name C06032019 Start Date 6-3-2019 Start Time (Actual) 9:45

Deployment Information

Deployed By RD/AK

Instrument # JEA1 Date 6-3-2019

Time 10:25

Notes

NO LONGER RUNNING pH or Turbidity due to port problem

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

Observation Description

Hot, high 90's calm high slack tide

Recorded By AKalmbacher Computer Entry By A.Kalmbacher

Certified By

YSI Datasonde Datasheet v1.1 – Retrieval

Station Name

SECN Coastal Water Quality Monitoring

Chaparral Crk

Retrieval Information:

Retrieved By: _____

Instrument # SEA 1 Date 6-24-2019 Time 10:20Barometric Pressure 761.3 mmHg pH7 (mv) _____ pH 10 / 4 (mv) _____Battery Voltage 10.6 Turbidity wiper parked 180° Y / N ODO Y NPost Calibration Date 6-24-2019 Cond. Cell Constant 4.85925 pH Slope _____

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	<u>25.2</u>	<u>50.0</u>				<u>100</u>	<u>0.0</u>		
Measured	<u>25.0</u>	<u>49.32</u>				<u>100.3</u>	<u>0.0</u>		

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: NODO Probe: N pH Probe: N Turbidity: N

Comments:

Hot, Incoming Tide, Partly cloudy
mid 90s

File Name CC06032019Any Probe Malfunctions Y / N

If Y, please describe above

Download File	<u>Y</u> <u>N</u>	Date <u>6/27/2019</u>	Initials <u>AK</u>
Sent Datafile	<u>Y</u> <u>N</u>	Date <u>7-8-2019</u>	Initials <u>AK</u>
Sent Datasheet	<u>Y</u> <u>N</u>	Date <u>7-8-2019</u>	Initials <u>AK</u>

Recorded By: A. KalmbacherComputer 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 are qualified data on this page.

Meter ID:

DEA 1

RQ:

Project:

Clapboard 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.	Kalmbacher	6-3-19	0825	23.4	755.6	8.5	8.46	99.6		1.02347	P / F	L / F
ICV		↓	0830	23.4	755.6	8.5	8.44	99.3		1.02347	P / F	L / F
CCV	Kalmbacher	↓	1600	26.2	761.3	8.1	8.14	100.3		1.02347	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 umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	Kalmbacher	6-3-19	0833	180919	9/2019	50,000	50,000	P / F	L / F
ICV		↓	0838	0428820	6/2020	24,820	24,780	P / F	L / F
CCV	Kalmbacher	↓	1615	180919	9/2019	50,000	49,320	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	Kalmbacher	6-3-19	0842	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:

No pH or Turbidity - port issues