

YSI Datasonde Datasheet v1.1 – Retrieval

Station Name

SECN Coastal Water Quality Monitoring

Clipboard Creek

Retrieval Information:

Retrieved By:

B. Davis / A. Kumbacher

Instrument # JEA 2

Date 8-16-2018 Time 12:35

Barometric Pressure 759.2 mmHg pH7 (mv) 12.8 pH 10 / 4 (mv) -146.5 / 180.1

Battery Voltage 11.2 Turbidity wiper parked 180° Y / (N) ODO (Y) N

Post Calibration Date 8-16-2018 Cond. Cell Constant 5.06321 pH Slope 167.3 / 159.3

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	25.4	50.00	7.0	10.0	4.0	100	0.0	0.0	126
Measured	25.7	49.82	6.81	9.66	3.84	100.4	0.07	3.8	—

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:

Very high incoming tide
mid 90's storm approaching

File Name C07302018

Any Probe Malfunctions

(Y) N

If Y, please describe above

Sweeper had come off of turbidity probe during deployment

Download File (Y) / N

Date 8-16-2018 Initials AK

Sent Datafile Y / N

Date 8-20-2018 Initials AK

Sent Datasheet Y / N

Date 8-20-2018 Initials AK

Recorded By: A. Kumbacher

Computer Entry By: A. Kumbacher

Certified By _____

YSI Datasonde Datasheet v1.1 – Deployment

SECN Coastal Water Quality Monitoring

Station Name

Clapboard Creek

Calibration QC Pre-Deployment

Date 7-30-2018

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) 53.6 Battery Life (days) 117

Barometric Pressure 761.7 pH7 (mv) 8.8 pH10/4 (mv) -163.2/1724

Conductivity Cell Constant 50511 ODO Gain 0.99459 pH Slope 171.6

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	23.7	50.00	7.0	10.0	4.0	100	0.0	0.0	126.0
Measured	24.0	50.00	7.0	9.96	3.98	100.2	0.00	3.8	126.0
Calibrate		50.00	7.0	9.98	3.98	100.3	0.00	0.0	126.1

Start Time (Sonde) 9:30 am

File Name C107302018 Start Date 7-30-2018 Start Time (Actual) 10:30 am

Deployment Information

Deployed By BD/AK

Instrument # JEA 2 Date 7-30-2018

Time

Notes

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

Observation Description

Recorded By A. Kalmbacher Computer 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 is qualified data on this page.

Meter ID:

RQ-

Project: Clapbeaver 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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site _____

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification _____

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	<u>A. Kalmbacher</u>	<u>7-30-18</u>	<u>0825</u>	<u>23.9</u>	<u>8.43</u>	<u>8.45</u>	<u>100.3</u>		<u>0.99459</u>	<u>P/F</u>	<u>L/F</u>
ICV			<u>0828</u>	<u>23.9</u>	<u>8.43</u>	<u>8.45</u>	<u>100.2</u>		<u>0.99459</u>	<u>(P) F</u>	<u>(L) F</u>
CCV	<u>A. Kalmbacher</u>	<u>8-16-18</u>	<u>1500</u>	<u>25.8</u>	<u>8.14</u>	<u>8.15</u>	<u>100.4</u>		<u>0.99459</u>	<u>(P) F</u>	<u>(L) F</u>
CCV										<u>P/F</u>	<u>L/F</u>

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	<u>A. Kalmbacher</u>	<u>7-30-18</u>	<u>0835</u>	<u>170720C</u>	<u>8/2018</u>	<u>50,000</u>	<u>50,000</u>	<u>P/F</u>	<u>L/F</u>
ICV			<u>0840</u>	<u>1124820</u>	<u>6/2018</u>	<u>29,820</u>	<u>25,251</u>	<u>(P) F</u>	<u>(L) F</u>
CCV	<u>A. Kalmbacher</u>	<u>8-16-18</u>	<u>1505</u>	<u>170720C</u>	<u>8/2018</u>	<u>50,000</u>	<u>49,890</u>	<u>P/F</u>	<u>L/F</u>
CCV								<u>P/F</u>	<u>L/F</u>

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	<u>A. Kalmbacher</u>	<u>7-30-18</u>	<u>0845</u>	<u>2803E45</u>	<u>3/2020</u>	<u>7.0</u>	<u>7.00</u>	<u>0.8</u>	<u>P/F</u>	<u>L/F</u>
Calibr.			<u>0848</u>	<u>2803038</u>	<u>3/2020</u>	<u>4.0</u>	<u>3.98</u>	<u>172.4</u>	<u>P/F</u>	<u>L/F</u>
Calibr.			<u>0850</u>	<u>2711527</u>	<u>4/2019</u>	<u>10.0</u>	<u>9.98</u>	<u>163.2</u>	<u>P/F</u>	<u>L/F</u>
ICV			<u>0853</u>	<u>2803E45</u>	<u>3/2020</u>	<u>7.0</u>	<u>7.00</u>	<u>1.9</u>	<u>(P) F</u>	<u>(L) F</u>
CCV	<u>A. Kalmbacher</u>	<u>8-16-18</u>	<u>1510</u>	<u>2803E45</u>	<u>3/2020</u>	<u>7.0</u>	<u>6.81</u>	<u>12.8</u>	<u>P/F</u>	<u>L/F</u>
CCV									<u>P/F</u>	<u>L/F</u>

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 10 164.0, slope from 4 to 7 171.6 (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth 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	<u>A. Kalmbacher</u>	<u>7-30-18</u>	<u>0855</u>	<u>0.0</u>	<u>0.0</u>	<u>(P) F</u>	<u>(L) F</u>

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: