

YSI Datasonde Datasheet v1.1 – Deployment

SECN Coastal Water Quality Monitoring

Station Name

Clapboard Crk

Calibration QC Pre-Deployment

Date 10-2-2017

QC'd By

Battery Voltage 12.0 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) 12.9 Battery Life (days) 117

Barometric Pressure 763.9 pH7 (mv) -11.5 pH10/4 (mv) -183.1

Conductivity Cell Constant 5.45295 ODO Gain 1.01685 pH Slope 158.9

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	
Measured	23.8	50.01	7.02			100.3	0.0	0.1	
Calibrate		49.99	7.00	9.98	4.00	100.4	0.0	0.0	

Start Time (Sonde) 9:00

File Name CC10022017 Start Date 10-2-2017 Start Time (Actual) 10:00

Deployment Information

Deployed By BP/AK

Instrument # JEA 2 Date 10-2-2017 Time 0940

Notes

Very high outgoing tide
windy 90°

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

Observation Description

Recorded By AKalmbacher Computer Entry By AKalmbacher

Certified By

YSI Datasonde Datasheet v1.1 – Retrieval

SECN Coastal Water Quality Monitoring

Station Name

Clapboard Crk

Retrieval Information:

Retrieved By:

BD/AK

Instrument #

JEA 2

Date

10-16-2017

Time

1411

Barometric Pressure

761.4

mmHg

pH7 (mv)

(Forgot to record)

pH 10 / 4 (mv)

Battery Voltage

11.8

Turbidity wiper parked 180°

Y / N

ODO

(Y) / N

Post Calibration Date

10-16-2017

Cond. Cell Constant

5.45295

pH Slope

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	25.0	50.00	7.00	10.0	4.00	100	0.0	0.0	
Measured	24.8	47.81	7.07	9.99	3.98	102.1	0.013	-18.7*	

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:

* Sweeper had fallen off turbidity probe and post cal value out of range

Sonde stopped recording after 5:15 am reading on 10/15/2017
Message from hand held 650 unit - no memory
(will delete all old files for next deployment)

File Name

CC10022017

Any Probe Malfunctions

(Y) N

If Y, please describe above

Turbidity

Download File

(Y) N

Date

10-18-2017

Initials

AK

Sent Datafile

(Y) N

Date

10-19-2017

Initials

AK

Sent Datasheet

(Y) N

Date

10-19-2017

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 is qualified data on this name.

Meter SEA 2 RQ- Project Maplewood Creek

- Notes: (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (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 FDEP 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>10-2-17</u>	<u>0820</u>	<u>23.6</u>	<u>8.48</u>	<u>8.50</u>	<u>100.4</u>	<u>1.01655</u>	<u>7</u>		
ICV			<u>0827</u>	<u>23.7</u>	<u>8.46</u>	<u>8.48</u>	<u>100.4</u>		<u>1.0165</u>	<u>P</u>	<u>L</u>
CCV	<u>A. Kalmbacher</u>	<u>10-6-17</u>	<u>1600</u>	<u>24.8</u>	<u>8.29</u>	<u>8.38</u>	<u>102.1</u>		<u>1.0165</u>	<u>P</u>	<u>L</u>
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.
 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; DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 200	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>10-2-17</u>	<u>0835</u>	<u>170720C</u>	<u>08/2018</u>	<u>50,000</u>	<u>49.90</u>	<u>P</u>	<u>L</u>
ICV			<u>0840</u>	<u>1298117</u>	<u>12/17</u>	<u>12,900</u>	<u>14,000</u>	<u>F</u>	
CCV	<u>A. Kalmbacher</u>	<u>10-16-17</u>	<u>1603</u>	<u>170720C</u>	<u>08/2018</u>	<u>50,000</u>	<u>47.870</u>	<u>P</u>	<u>L</u>
CCV									

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria $\pm 5\%$

pH FDEP 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>10-2-17</u>	<u>0843</u>	<u>2707656</u>	<u>6/19</u>	<u>7.0</u>	<u>7.0</u>	<u>-11.5</u>		
Calibr.			<u>0845</u>	<u>2707722</u>	<u>6/19</u>	<u>4.0</u>	<u>4.00</u>	<u>158.9</u>		
Calibr.			<u>0848</u>	<u>2704798</u>	<u>9/18</u>	<u>10.0</u>	<u>9.91</u>	<u>-15.1</u>		
ICV			<u>0852</u>	<u>2707656</u>	<u>6/19</u>	<u>7.0</u>	<u>7.02</u>	<u>-10.8</u>		
CCV	<u>A. Kalmbacher</u>	<u>10-16-17</u>	<u>1610</u>	<u>2707656</u>	<u>6/19</u>	<u>7.00</u>	<u>7.07</u>	<u>-14.0</u>	<u>P</u>	<u>L</u>
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ; mV pH 4 Range $+180 \pm 50$;
 mV pH 10 Range -180 ± 50 ; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly) Date of Last Depth Verification

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	<u>A. Kalmbacher</u>	<u>10-2-2017</u>	<u>0850</u>	<u>0.000</u>	<u>0.000</u>	<u>P</u>	

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater