YSI Datasonde Datasheet v1.1 – **Deployment**

SECN Coastal Water Quality Monitoring

Station Name: Clapboard Creek

Calibration QC Pre-Deployment

Date: 11-13-2017 QC'd By:

Battery Voltage: 11.6 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): 185 Battery Life (days): 115

Barometric Pressure: 766 pH7 (mv): -22.6 pH10/4 (mv): -192.4 / 148.0

Conductivity Cell Constant: 5.1116 ODO Gain: 1.0862 pH Slope: 169.8

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	23.2	50.00	7.00	10.00	4.00	100	0.0	0.0	126
Measured	23.1	50.01	7.00			100.8	0.0	1.3	
Calibrate		50.00	7.01	10.01	4.00	100.9	0.0	0.0	125.8

Start Time (Sonde): 10:00

File Name: CC11132017 Start Date: 11-13-2017 Start Time (Actual): 10:00

Deployment Information

Deployed By: BD / AK

Instrument #: JEA 1 Date: 11-13-2017 Time: 10:25

Notes

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

Observation Description

Windy, choppy conditions
~70°

Recorded By: AKalmbacher Computer Entry By: AKalmbacher

Certified By: _____

YSI Datasonde Datasheet v1.1 – **Retrieval**

SECN Coastal Water Quality Monitoring

Station Name: Clapboard Cook

Retrieval Information: Retrieved By: PO/AK

Instrument # JEA 1 Date 11-30-2017 Time 10:23

Barometric Pressure 365.9 mmHg pH7 (mv) -25.4 pH 10 / 4 (mv) 150.7 / -195.3

Battery Voltage ~~12.3~~ 11.1 Turbidity wiper parked 180° (Y) / N ODO (Y) / N

Post Calibration Date 11-30-2017 Cond. Cell Constant 5.111 6 pH Slope 169.9

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	22.8	50.00	7.00	10.0	4.0	100	0.0	0.0	
Measured	22.65	50.09	7.05	10.06	3.91	100.1	0.03	0.6	

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:

Outgoing tide, ~ 70°. Calm
partly cloudy

File Name CC11132017 Any Probe Malfunctions Y / (N)

If Y, please describe above

Download File	(Y) / N	Date 12/1/2017	Initials AK
Sent Datafile	Y / N	Date 12/1/2017	Initials AK
Sent Datasheet	Y / N	Date 12/1/2017	Initials AK

Recorded By: AKalmbacher Computer Entry By: A. Kalmbacher

Certified By _____

Boldly "X" this box if there is qualified data on this page.

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Meter: JEA 1 RQ-: N/A Project: Clapboard Crk

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 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.	AKalmbacher	11/13/17	0845	23.3	8.53	8.60	100.9	—	1.0862		
ICV		↓	0850	23.3	8.53	8.60	100.8		1.0862	P	L
CCV	AKalmbacher	11/30/17	1145	22.6	8.64	8.65	100.1		1.0862	P	L
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 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	AKalmbacher	11/13/17	0852	1707200	8/2018	50.00	50.00		
ICV		↓	0855	" "		50.00	50.01	P	L
CCV			0857	1124820	6/2018	24.82	25.41	P	L
CCV	AKalmbacher	11-30-17	1149	1707200	8/2018	50.00	50.09	P	L

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria ± 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.	AKalmbacher	11/13/17	0900	2708860	7/2019	7.0	7.01	-22.6		
Calibr.		↓	0902	2710816	9/2019	4.0	4.00	178.0		
Calibr.			0905	2704798	4/2018	10.0	10.01	-192.9		
ICV			0910	2708860	7/2019	7.0	7.00	-22.7	P	L
CCV	AKalmbacher	11-30-17	1155	2708860	7/2019	7.0	7.05	-25.4	P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ±0.2 SU; mV pH7 Range 0±50; mV pH 4 Range +180±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	AKalmbacher	11-13-2017	0912	0.000	0.00	P	L

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