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

SECN Coastal Water Quality Monitoring

Station Name: Clapboard Creek

Calibration QC Pre-Deployment

Date: 10-15-2018 QC'd By:

Battery Voltage: ~~12.6~~ 10.5 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: 12.6 Free memory (days): 17.6 Battery Life (days): 117

Barometric Pressure: 761.0 pH7 (mv): 1.5 pH10/4 (mv): -1430 / 150.2

Conductivity Cell Constant: 5.06812 ODO Gain: 0.98880 pH Slope: 144.5 / 135.2

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	24.0	50.00	7.0	10.0	4.0	100	0.0	0.0	126.0
Measured	24.2	50.01	6.93	9.80	3.97	100.1	0.000	0.2	—
Calibrate		50.00	6.97	9.90	4.00	100.1	0.001	0.0	123.1

Start Time (Sonde) 10:00

File Name CC10152018 Start Date 10-15-2018 Start Time (Actual) 11:00

Deployment Information Deployed By BD/AK

Instrument # JEA 2 Date 10-15-2018 Time 11:20

Notes

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

Observation Description

High Incoming Tide
Partly Cloudy ~ 88°

Recorded By AKalmbacher Computer Entry By AKalmbacher

Certified By _____

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

Station Name: Clapboard Crk

SECN Coastal Water Quality Monitoring

Retrieval Information: Retrieved By: CR/AK

Instrument # JEA 2 Date 11-9-2018 Time _____

Barometric Pressure 758.2 mmHg pH7 (mv) 7.7 pH 10 / 4 (mv) 127.9 / 150.8

Battery Voltage 11.9 Turbidity wiper parked 180° Y / N ODO Y / N

Post Calibration Date 11-9-2018 Cond. Cell Constant 5.1277 pH Slope 143.1 / 135.6

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	23.8	50.00	7.0	10.0	4.0	100	0.0	0.0	126
Measured	24.0	51.67	6.87	(9.53)	3.97	99.5	-0.070	1.3	—

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: N

ODO Probe: N pH Probe: N Turbidity: N

Comments:

Extremely High Tide - data sonde tube completely submerged

Warm - high 80's sunny

File Name CC10152018 Any Probe Malfunctions (Y) / N

If Y, please describe above pH probe slope + post cal on 10

Download File	(Y) / N	Date 11-9-2018	Initials AK
Sent Datafile	(Y) / N	Date 11-14-2018	Initials AK
Sent Datasheet	(Y) / N	Date 11-14-2018	Initials AK

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: JEA 2 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.

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	10-15-18	0815	24.3	8.37	8.38	100.1		0.9888	P / F	L / F
ICV			0820	24.3	8.37	8.37	100.1		0.9880	(P) F	(L) F
CCV	AKalmbacher	11-9-18	1145	23.7	8.46	8.40	99.5		0.9882	(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; 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	10-15-18	0830	170720C	3-5-20	50,000	50,000	P / F	L / F
ICV			0835	102820	9-2019	24,820	25,220	(P) F	(L) F
CCV	AKalmbacher	11-9-18	1150	180919	9-2019	50,000	51.670	(P) F	(L) F
CCV								P / F	L / F

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	10-15-18	0840	2803E45	3/2020	7.0	6.97	1.5	P / F	L / F
Calibr.			0845	2806175	6/2020	4.0	4.00	150.2	P / F	L / F
Calibr.			0848	2712855	6/2019	10.0	9.90	-143.0	P / F	L / F
ICV			0850	2803E45	3/2020	7.0	6.93	3.0	(P) F	(L) F
CCV	AKalmbacher	11-9-18	1155	2803E45	3/2020	7.0	6.87	7.7	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 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 144.5, slope from 4 to 7 135.2 (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	AKalmbacher	10-15-18	0825	0.001	0.000	P / F	L / F

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

COMMENTS:

Form effective October 1, 2017