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

SECN Coastal Water Quality Monitoring

Station Name: Clapboard Creek

Calibration QC Pre-Deployment

Date: 1/2/2019 QC'd By:

Battery Voltage: 11.4 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): 165 Battery Life (days): 111

Barometric Pressure: 762.8 pH7 (mv): -12.6 pH10/4 (mv): -163.4 / 142.0

Conductivity Cell Constant: 4.90729 ODO Gain: 0.99301 pH Slope: 154.6 / 150.8

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	22.7	50.00	7.0	10.0	4.0	100	0.0	0.0	126
Measured	22.9	50.01	7.10	10.20	3.99	100.2	0.004	0.3	122.5
Calibrate		50.00	7.00	10.04	3.99	100.2	0.00	0.0	125.2

Start Time (Sonde): 10:30

File Name: CC01022019 Start Date: 01-02-2019 Start Time (Actual): 10:30

Deployment Information

Deployed By: BD/AK

Instrument #: YEA 2 Date: 01-02-2019 Time: 11:10

Notes

pH probe barely calibrating in range on 10.0, pH slope out of range

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

Observation Description

Low tide, calm surface pt. cloudy high 70°

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 # SEA 2 Date 2-4-2019 Time 11:00

Barometric Pressure 762.0 mmHg pH7 (mv) -20.5 pH 10 / 4 (mv) +178.6 / 138.2

Battery Voltage 10.5 Turbidity wiper parked 180° (Y) / N ODO (Y) / N

Post Calibration Date 02-04-2019 Cond. Cell Constant 4.9209 pH Slope 158.1 / 158.7

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	20.4	50.00	7.0	10.0	4.0	100	0.0	0.0	126.0
Measured	21.3	49.68	7.19	10.34	4.04	99.4	-0.17	0.8	—

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: C External Screen: C Temp/Cond: N

ODO Probe: N pH Probe: N Turbidity: N

Comments:

Very High Tide
Overcast, Misty
~ 60's°

File Name CC01022019 Any Probe Malfunctions Y / N

If Y, please describe above

Download File	(Y) / N	Date 2-4-2019	Initials AK
Sent Datafile	Y / N	Date 2-5-2019	Initials AK
Sent Datasheet	Y / N	Date 2-5-2019	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 are qualified data on this page.

Meter ID: JEA2 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.	AKalmbacher	1-2-2019	0835	22.9	762.8	8.59	8.60	100.2	—	0.99301	P / F	L / F
ICV			0837	23.0	762.8	8.58	8.58	100.2	—	0.99301	(P) F	(L) F
CCV	AKalmbacher	2-4-2019	1315	21.2	762.0	8.88	8.80	99.4	—	0.99301	(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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	AKalmbacher	1-2-2019	0840	180919	09/2019	50,000	50,000	P / F	L / F
ICV			0842	1024820	09/2019	24,820	24,440	(P) F	(L) F
CCV	AKalmbacher	2-4-2019	1317	180919	9/2019	50,000	49,680	(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	Temp °C	Meter reading SU	mV +12.6	Pass / Fail	Lab / Field
Calibr.	AKalmbacher	1-2-2019	0845	2809841	8/2020	7.	23.0	7.00	26.1	P / F	L / F
Calibr.			0848	2810832	9/2020	4.	23.0	3.99	142.0	P / F	L / F
Calibr.			0852	1806F51	12/2019	10.	23.0	10.04	-163.4	P / F	L / F
ICV			0900	2809841	8/2020	7.0	23.01	7.10	-15.9	(P) F	(L) F
CCV	AKalmbacher	2-4-2019	1320	2809841	8/2020	7.0	22.2	7.19	-28.5	(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 10 156.8, slope from 4 to 7 159.6 (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	AKalmbacher	1-02-2019	0905	0.00	0.004	(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: