

YSI Datasonde Datasheet v1.1 – Deployment

SECN Coastal Water Quality Monitoring

Station Name

Clapboard Creek

Calibration QC Pre-Deployment

Date 9-10-2019

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) 29.7 Battery Life (days) 117

Barometric Pressure 764 pH7 (mv) pH10/4 (mv)

Conductivity Cell Constant 5.00163 ODO Gain 0.99897 pH Slope

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	23.67	50.0				100	0.0		
Measured	23.68	50.0				100.5			
Calibrate		50.0				100.6			

Start Time (Sonde) 9:45

File Name CC09102019 Start Date 9-10-2019 Start Time (Actual) 10:45³⁰ DST

Deployment Information

Deployed By BD/AR

Instrument # JEA 2 Date 9-10-2019

Time 10:25

Notes

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

Observation Description

Outgoing tide
Hot, building clouds

Recorded By A. Kalmbacher Computer Entry By A. Kalmbacher

Certified By

YSI Datasonde Datasheet v1.1 – Retrieval

Station Name

SECN Coastal Water Quality Monitoring

Maple Creek

Retrieval Information:

Retrieved By:

CR/AK

Instrument # SEA 2 Date 9-23-2019 Time 10:35 DSTBarometric Pressure 763.1 mmHg pH7 (mv) pH 10 / 4 (mv) Battery Voltage 11.7 Turbidity wiper parked 180° Y / N ODO (Y) / NPost Calibration Date 9-23-2019 Cond. Cell Constant 5.00163 pH Slope

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	<u>24.09</u>	<u>50.00</u>				<u>100</u>	<u>0.00</u>		
Measured	<u>24.01</u>	<u>50.26</u>				<u>100.0</u>	<u>0.05</u>		

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: NODO Probe: N pH Probe: N Turbidity: N

Comments:

Partly cloudy, ~10 mph wind
Outgoing Tide high 80's

File Name CC09102019

Any Probe Malfunctions

Y / (N)

If Y, please describe above

Download File

(Y) / NDate 9-23-2019 Initials AK

Sent Datafile

(Y) / NDate 9-24-2019 Initials AK

Sent Datasheet

(Y) / NDate 9-24-2019 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:

12A 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.

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	9-10-19	0930	23.6	764	8.5	8.51	100.6			P / F	L / F
ICV			0935	23.6	764	8.5	8.50	100.5			(P) F	(L) F
CCV			1145	26.3	765	8.2	8.09	100.2	AK		(P) F	(L) F
CCV	AKalmbacher	9-23-19	1335	23.8	763	8.5	8.44	100.0			(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 μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	AKalmbacher	9-10-19	0940	190711C	7/2020	50,000	50,000	P / F	L / F
ICV			0945	719820	12/2019	524,820	24,326	(P) F	(L) F
CCV	AKalmbacher	9-23-19	1340					P / F	L / F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.						7.				P / F	L / F
Calibr.						4.				P / F	L / F
Calibr.						10.				P / F	L / F
ICV										P / F	L / F
CCV										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 $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (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	09-10-19	0950	0.0	0.00	(P) F	(L) F

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

COMMENTS: