

YSI Datasonde Datasheet v1.1 – Deployment

SECN Coastal Water Quality Monitoring

Station Name

Clapham Creek

Calibration QC Pre-Deployment

Date 4-26-2018

QC'd By

Battery Voltage 12.4

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) 116

Battery Life (days) 117

Barometric Pressure 758.9

pH7 (mv) -23.6

pH10/4 (mv) -189.5/43.5

Conductivity Cell Constant

ODO Gain 1.03088

pH Slope 165.7

Parameter	Temp (C)	Sp. Cond.	pH7	pH10	pH4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	24.5	50.0	7.00	10.00	4.00	100	0.0	0.0	126
Measured	24.9	50.0		10.03		100	0.0	0.0	125.7
Calibrate		50.0	7.00	10.01	4.01	100	0.0	0.0	126.5

Start Time (Sonde) 09:00:00

File Name CCo4262018 Start Date 4-26-2018 Start Time (Actual) 08:00:00

Deployment Information

Deployed By JP/PO

Instrument # JEA1 Date 4-26-2018

Time 09:20

Notes

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

Observation Description

Partly cloudy, outgoing tide
~ 80°

Recorded By A. Kalmbacher Computer Entry By A. Kalmbacher

Certified By

YSI Datasonde Datasheet v1.1 – Retrieval

SECN Coastal Water Quality Monitoring

Station Name

Clapham Creek

Retrieval Information:

Retrieved By: BD/ARInstrument # JEAL Date 5-14-2018 Time 10:50Barometric Pressure 762.7 mmHg pH7 (mv) 27.4 pH 10 / 4 (mv) 192.0 / 1340Battery Voltage 6.9 Turbidity wiper parked 180° Y / N ODO Y / NPost Calibration Date 5-14-2018 Cond. Cell Constant 5.0721 pH Slope 164.6

Parameter	Temp (C)	Sp. Cond.	pH 7	pH 10	pH 4	ODO %	Depth (m)	Turbidity (L)	Turbidity (H)
Standard	<u>23.7</u>	<u>50.00</u>	<u>7.00</u>	<u>10.0</u>	<u>4.0</u>	<u>100</u>	<u>0.0</u>	<u>0.0</u>	<u>126</u>
Measured	<u>24.0</u>	<u>50.19</u>	<u>7.09</u>	<u>10.05</u>	<u>4.17</u>	<u>102.3</u>	<u>0.06</u>	<u>0.0</u>	<u>—</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: A/N External Screen: A/L Temp/Cond: A/NODO Probe: A/N pH Probe: A/N Turbidity: A/N

Comments:

High tide - outgoing light rain ~ 80°

File Name CC04262018Any Probe Malfunctions Y / N

If Y, please describe above

Download File Y / NDate 5-14-2018 Initials ARSent Datafile Y / NDate 5-14-2018 Initials ARSent Datasheet Y / NDate 5-14-2018 Initials ARRecorded By: A. KalmbacherComputer 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:

SEA 1

RQ:

Project:

Clapham 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	4-25-18	1545	24.7	8.31	8.29	100	N/A	1.0388	P/F	L/F
ICV			1548	24.8	8.29	8.28	100	N/A	1.0388	P/F	L/F
CCV	AKalmbacher	5-14-18	1255	21.8	8.77	8.98	102.3	N/A	1.0388	P/F	L/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Explr. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	AKalmbacher	4-25-18	1600	170720C	8/2018	50,000	50,000	P/F	L/F
ICV			1605	1124820	6/2018	24,820	25,360	P/F	L/F
CCV	AKalmbacher	5-14-18	1300	170720C	8/2018	50,000	50,190	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 #	Explr. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	AKalmbacher	4-25-18	1610	2711C81	11/2019	7.0	7.00	-23.6	P/F	L/F
Calibr.				2711517	10/2019	4.0	4.01	143.8	P/F	L/F
Calibr.				2711527	4/2019	10.0	10.01	-187.3	P/F	L/F
ICV				2711527	4/2019	10.0	10.03	-184.2	P/F	L/F
CCV	AKalmbacher	5-14-18		2711C81	11/2019	7.0	7.09	-27.4	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 10 165.7, slope from 4 to 7 167.4 (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	4-25-2018	1608	0.0	0.0	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: