

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: **YSI 9AE**

RQ: **2018-11-26-21**

Project: **Goodby's CM**

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.	B-T	11/28/18	1443	22.3	760	8.69	8.69	100	-	-	P/F	L/F
ICV			1445	22.4	760	8.67	8.69	100.1	-	-	P/F	L/F
CCV		12/6/18	1438	21.1	760	8.89	9.09	102.5	-	-	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 μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	B-T	11/28/18	1446	181102	11/19	1000	1000	P/F	L/F
ICV			1448	1024820	9/19	24820	24837	P/F	L/F
CCV		12/6/18	1440	1470718	6/19	147	149	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.	B-T	11/28/18	1506	2803E45	3/20	7.	22.19	7.0	-40.9	P/F	L/F
Calibr.			1510	2806975	6/20	4.	22.35	4.0	188.9	P/F	L/F
Calibr.			1516	1806F51	12/19	10.	22.32	10.0	-210.9	P/F	L/F
ICV			1523	2803E45	3/20	7.0	22.3	7.04	-39.7	P/F	L/F
CCV		12/6/18	1442			10.0	22.37	9.93	-28.6	P/F	L/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50; mV pH 4 Range +180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 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	B-T	11/28/18	1525	0.00	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:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SMP CONTINUOUS MONITORING SHEET

August 2017

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Data Qualified?
Yes / No

STORET Station Name: Goodby's Creek @ Bayneadows Rd WBID: 23268
STORET Station ID: 20030593 ORG ID: 21FLA
Field ID: County: Duval RQ - 2018-11-26-21

Meter ID# :			
Pre-Deployment Setup			
Date: <u>11/28/18</u>		Performed by: <u>B Denis</u>	
Parameters Recorded: ☐ Date ☐ Time ☐ Temp. (C) ☐ Sp. Cond. ☐ DOSAT ☒ DO (mg/L) ☐ pH ☒ Depth			
Sampling Interval (min): <u>15</u>	Free Memory (days): <u>99.6</u>	Expected Battery Life: <u>98.7</u>	Programmed Duration: <u>8 days</u>
Sonde Filename: <u>GC112918</u>			Reset Clock? (Y or N) <u>N</u>
Programmed Start Date/Time: <u>11/29/18</u> (mm/dd/yyyy)	<u>700</u> (hh:mm:ss)	(Cent. / East)	Wipers Park Correctly? <u>Y</u>
Programmed End Date/Time: <u>12/7/18</u> (mm/dd/yyyy)	<u>700</u> (hh:mm:ss)	(Cent. / East)	Calibration Date <u>11/28/18</u>

Deployment			
Date: <u>11/29/18</u>		Time Into Water: <u>1035</u>	
Time Zone: Cent. / <u>East.</u>			
Deployed Sonde Latitude: <u>30.2172</u>	Deployed By: (print all staff present) <u>BD AK</u>		
Deployed Sonde Longitude: <u>-81.61212</u>			

Notes: (how to get to, landmarks, site considerations & concerns, etc.)

Photos: Yes / No

Retrieval			
Date: <u>12/6/18</u>		Time Out Of Water: <u>1050</u>	
Time Zone: Cent. / <u>East.</u>			
Mounting left or removed? <u>Removed</u>	Retrieved By: <u>BD AK</u>		

Notes: (significant fouling, signs of human disturbance, site considerations and concerns, etc.)

Post-Deployment	
Date: <u>12/6/18</u>	Performed by: <u>B Denis</u>
Data File Downloaded? <u>Yes</u> / No	Archived Filename: <u>112918-data</u>
Meter Verification Date:	



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

9143 Phillips Highway, Ste 200 • Jacksonville, FL 32256 (904) 739-2277 • 800-695-7222 x06 • FAX (904) 739-2011

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SR#

CAS Contract

Project Name Continuous Monitoring		Project Number RQ-2018-11-26-21		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																		
Project Manager Jeremy Parrish		Email Address Dep-Overflowmicro@		PRESERVATIVE 8																		
Company/Address FDEP		dep.state.fl.us		NUMBER OF CONTAINERS Enterococci															Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other ICE			
8800 Baymeadows Way W STE 100																						
Jacksonville, FL 32256																						
Phone # 904-256-1700		FAX #																				
Sampler's Signature B-P		Sampler's Printed Name Brian Davis		REMARKS/ ALTERNATE DESCRIPTION																		
CLIENT SAMPLE ID	LAB ID	SAMPLING DATE TIME		MATRIX																		
20036593		12-6-18	1050	SW	1	✓																
SPECIAL INSTRUCTIONS/COMMENTS					TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) STANDARD REQUESTED FAX DATE REQUESTED REPORT DATE				REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report Edata Yes No				INVOICE INFORMATION PO # BILL TO:									
See QAPP ☐																						
SAMPLE RECEIPT: CONDITION/COOLER TEMP:					CUSTODY SEAL: Y N																	
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY								
Signature B-P		Signature Brian Davis		Signature		Signature		Signature		Signature		Signature		Signature								
Printed Name Brian Davis		Printed Name Brian Davis		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name								
Firm FDEP DEAR		Firm ALS		Firm		Firm		Firm		Firm		Firm		Firm								
Date/Time 12/6/18 1146		Date/Time 12/6/18 1146		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time								

Continuous Monitoring 2018

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Brian Davis

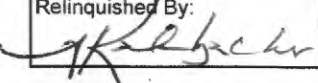
Field Report Prepared By: A. Kalmbacher

Project ID: SMP

Collected By: B. Davis

Sampling Agency: FDEP / NE ROC

Loc	WIN/ Field ID:		20030593	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 12/6/18 Time 1050	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)	
Fiel	GOODBYS CREEK AT BAYMEADOWS RD			Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 6.3	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	B, C, E	
Win				Temp (C) 13.5	pH 7.09	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 603		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.34	Comments					
Location				☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #				Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Location				☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #				Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Location				☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #				Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					
Location				☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #				Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments					

Relinquished By: 	Date/Time: 12-6-2018 1630	Shipping Method: FedEx	Number of Coolers Shipped: 1	Received By:	Date/Time:
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Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	0
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	0
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY						
	TURBIDITY						
	W-F						
	W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	CHLSUITE-W						
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: B	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1

Group: B	Bottle Type: P-125ML W-PO4-F	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: QPCR-P-500ML PCR-FILTER	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: BG-500ML W-E8321-DI W-E8321-MS	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: D	Bottle Type: P-250ML-WI-THI NE-ALS-ECQ	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	0
Group: E	Bottle Type: P-250ML-WI-THI NE-ALS-ENQ	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1 to ALS