

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: Desi

RQ: 2021-03-01-20

Project: BMADP1 & SMP

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 2/15/21

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.	Brian Davis	3/10/21	835	21.1	772.4	9.05	—	101.6	—	1.06	P/F	L/F
ICV	↓	↓	836	21.4	772.4	8.99	8.98	101.5	—	1.06	P/F	L/F
CCV	Kim Appleby	3/10/21	1320	21.0	771.7	9.00	9.01	101.0	—	1.06	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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Brian Davis	3/10/21	838	201222B	1/22	1000	1000	P/F	L/F
ICV	↓	↓	839	201222A	1/22	100	103.3	P/F	L/F
CCV	Kim Appleby	↓	1325	200407B	4/21	20000	19573	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.	Brian Davis	3/10/21	845	201222B	6/22	7.01	21.7	7.02	-31.7	P/F	L/F
Calibr.	↓	↓	849	2912B71	12/21	4.00	21.9	4.00	146.7	P/F	L/F
Calibr.	↓	↓	851	2006F52	6/22	10.03	21.7	10.04	-206.5	P/F	L/F
ICV	↓	↓	853	201222B	1/22	10.03	21.8	7.12	-36.4	P/F	L/F
CCV	Kim Appleby	↓	1327	2912B71	12/21	4.00	22.3	4.07	143.5	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 $+180 \pm 50$; 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: 2/15/21

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	Brian Davis	3/10/21	856	0.00	C. 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:

Form effective August 1, 2018



Florida DEP North East District ROC BMAP Field sheet

Data Pass CCV?

Yes ☒ No ☐

Date: 3/10/21

RQ#: 2021-03-01-21

Event Name: BMAP 1

Meter ID: Desi

Sampling Team Members: Kim Appleby + Brian Davis

All bacteria samples taken are surface water grab samples.

WIN Number / Site Name Butcher Pen Cr at Wescott 20030760				WBID Number 2322		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation BD		Initials Documentation KA	
Sample Access: Wading ☐ Dock ☐ From Shore ☒ Bridge ☒				Sample Ice Preserved in 15 minutes? Yes ☒ No ☐									
Time	Total depth(m)	Sample depth(m)	Temp °C	Conductivity µmhos	Salinity ppt	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Tide Ebb/ Flood Slack			
945	1.53	0.3	14.2	343.7	0.17	7.28	7.62	74.3	1.1	Ebb			
947	—	0.92	14.0	327.7	0.16	7.39	8.29	80.6	—	—			
Comments and Weather: SMP samples today SMP: Metals Acid lot: 116856 exp. 3/31/22													

WIN Number / Site Name Butcher Pen St Confederate 20030082				WBID Number 2322		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation KA		Initials Documentation BD	
Sample Access: Wading ☐ Dock ☐ From Shore ☒ Bridge ☐				Sample Ice Preserved in 15 minutes? Yes ☒ No ☐									
Time	Total depth(m)	Sample depth(m)	Temp °C	Conductivity µmhos	Salinity ppt	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Tide Ebb/ Flood Slack			
1005	0.5	0.25	16.6	519	0.25	7.28	8.23	84.3	0.6	Flood			
	0.7	0.3											
Comments and Weather: SMP samples today Acid lot: SA0293040 10/19/21													

WIN Number / Site Name Big Fish Creek CR SF @ Hamilton St 20030801				WBID Number 2280A		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation BD		Initials Documentation KA	
Sample Access: Wading ☐ Dock ☐ From Shore ☒ Bridge ☐				Sample Ice Preserved in 15 minutes? Yes ☒ No ☐									
Time	Total depth(m)	Sample depth(m)	Temp °C	Conductivity µmhos	Salinity ppt	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Tide Ebb/ Flood Slack			
1035	0.66	0.66	16.1	541	0.26	7.46	7.11	71.8	0.66	Ebb			
		0.3											
Comments and Weather:													

Signature: KA

Date: 3/10/21

Field Sheet Scanned (Initials/date): KA 3/10/21

Parameters uploaded to UMs (Initials/date):

Data QC'd in UMs (Initials/date): BD 03/30/21

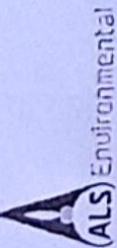
Data Migrated to WIN (Initials/date):

WIN Number / Site Name Little Fish Creek CR @ Oak St. 20030953					WBID Number 2280A		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation KA		Initials Documentation BD	
					Sample Access: Wading ☐ Dock ☐ From Shore ☒ Bridge ☐				Sample Ice Preserved in 15 minutes? Yes ☒ No ☐					
Time	Total depth(m)	Sample depth(m)	Temp °C	Conductivity µmhos	Salinity ppt	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Tide Ebb/ Flood Slack				
1055	0.9	0.3	16.5	440.8	0.21	7.16	6.01	61.8	0.9	Ebb				
									10B					
Comments and Weather:														

WIN Number / Site Name Craig CL @ Hendricks Ave 20030793					WBID Number 2297B		Matrix: Surface ☒ Fresh ☐ Surface Salt ☐		Sample Type: E. coli ☐ Enterococcus ☒ Fecal ☐		Initials Sample & Preservation BD		Initials Documentation KA	
					Sample Access: Wading ☐ Dock ☐ From Shore ☒ Bridge ☐				Sample Ice Preserved in 15 minutes? Yes ☒ No ☐					
Time	Total depth(m)	Sample depth(m)	Temp °C	Conductivity µmhos	Salinity ppt	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Tide Ebb/ Flood Slack				
1120	0.45	0.2	17.9	6253	3.45	6.96	3.67	40.0	0.45(s)	Ebb				
Comments and Weather:														

WIN Number / Site Name Craig CR 100m Down from Footbridge in Park 20030958					WBID Number 2297B		Matrix: Surface ☒ Fresh ☐ Surface Salt ☐		Sample Type: E. coli ☐ Enterococcus ☒ Fecal ☐		Initials Sample & Preservation BD		Initials Documentation KA	
					Sample Access: Wading ☐ Dock ☐ From Shore ☒ Bridge ☐				Sample Ice Preserved in 15 minutes? Yes ☒ No ☐					
Time	Total depth(m)	Sample depth(m)	Temp °C	Conductivity µmhos	Salinity ppt	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Tide Ebb/ Flood Slack				
1135	0.6	0.3	17.9	7063	3.96	7.08	5.40	58.1	0.6(s)	Ebb				
Comments and Weather: SMP sample today Alid lot: 116856 Exp 3/31/22														

WIN Number / Site Name Goodbys CR Above West Branch San Creek 20030891					WBID Number 2326A		Matrix: Surface ☒ Fresh ☐ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation TSD		Initials Documentation KA	
					Sample Access: Wading ☐ Dock ☐ From Shore ☒ Bridge ☐				Sample Ice Preserved in 15 minutes? Yes ☒ No ☐					
Time	Total depth(m)	Sample depth(m)	Temp °C	Conductivity µmhos	Salinity ppt	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Tide Ebb/ Flood Slack				
1205	0.37	0.2	16.4	377.6	0.18	7.91	7.99	81.0	0.37(s)	Ebb				
Comments and Weather: SMP samples today														



CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

9143 Philips Highway, Suite 200 Jacksonville, FL 32256 / Ph(904) 739-2277 / FAX (904) 739-2011

SR #

ALS Contact: Mandy Sullivan

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Client Name					
FDEP-NE ROC					
Report To					
Dep-Overflowmicro@dep.state.fl.us					
Company Address					
8800 Baymeadows Way W Jacksonville, FL 32256					
Phone #					
904-256-1700					
Fax #					
Sampler's Signature					
<i>[Signature]</i>					
Sampler's Printed Name					
Kim Appleby					
CLIENT SAMPLE ID		LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX
Z0030760			3/10/21	945	SW
Z0030082			3/10/21	1005	SW
Z0030801			3/10/21	1035	SW
Z0030953			3/10/21	1055	SW
Z0030793			3/10/21	1120	SW
Z0030958			3/10/21	1135	SW
Z0030891			3/10/21	1205	SW
Special Instructions/Comments: Email Report to: Dep-Overflowmicro@dep.state.fl.us					

ANALYSIS REQUESTED (Include Method Number and Container Preservative)									
Preserv Key	Container	Method	Matrix	Volume	Time	Date	Time	Date	Remarks
0. None									Fresh
1. HCL									Fresh
2. HNO ₃									Fresh
3. H ₂ SO ₄									SALT
4. NaOH									SALT
5. Zn Acetate									Fresh
6. MeOH									
7. NaHSO ₄									
8. ICE									

TURNAROUND REQUIREMENTS									
RUSH (SURCHARGES APPLY) ☒ RUSH ☐ STANDARD									
REQUESTED FAX DATE N/A									
REQUESTED REPORT DATE N/A									
RECEIVED BY									
SIGNATURE									
PRINTED NAME									
FIRM									
DATE/TIME									

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									
Edata Yes No									
INVOICE INFORMATION									
P.O.# D10739									
BILL TO:									

Relinquished By		Received By	
Signature	Printed Name	Signature	Printed Name
<i>[Signature]</i>	Kim Appleby	<i>[Signature]</i>	Kim Appleby
	Firm		Firm
	Date/Time		Date/Time

Relinquished By		Received By	
Signature	Printed Name	Signature	Printed Name
<i>[Signature]</i>	Kim Appleby	<i>[Signature]</i>	Kim Appleby
	Firm		Firm
	Date/Time		Date/Time