

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- 7021-08-02-31

Project: BMAP 1 &

Algae bloom = 2021-07-26-26

- 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 7/18/21

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.	J. Lee	8/2/21	0725	22.1	760.8	8.7	8.7	100.1	-	1.06	(P) F	(L) F
ICV			0726	22.1	760.8	8.7	8.74	100.1	-	1.06	(P) F	(L) F
CCV	J. Parosh	8/2/21	1455	23.8	759.1	8.4	8.46	100.3	-	-	(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.	J. Lee	8/2/21	0729	2104260	05/22	1000	1000	(P) F	(L) F
ICV			0731	2104260	05/22	100	101.4	(P) F	(L) F
CCV	J. Parosh	8/2/21	1457	2104260	5/22	20000	19993	(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.	J. Lee	8/2/21	0733	2012E39	12/22	7.01	22.2	7.01	-18.9	(P) F	(L) F
Calibr.			0735	2103659	03/23	4.00	22.5	4.00	161.5	(P) F	(L) F
Calibr.			0738	2103F53	09/22	10.03	21.8	10.03	186.9	(P) F	(L) F
ICV			0739	2103659	03/23	4.00	22.5	3.99	160.5	(P) F	(L) F
CCV	J. Parosh	8/2/21	1457	2103F53	9/22	10.00	21.6	10.08	-192.6	(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 10 160, slope from 4 to 7 180.4 (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: 5/18/21

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	J. Lee	8/2/21	0742	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 DEP North East District ROC BMAP Field sheet

 Data Pass CCV?
 Yes ☒ No ☐

 Date: 8/2/21 RQ#: 2021-08-02-31

 Event Name: BMAP1

 Meter ID: DESI

 Sampling Team Members: JPIJL

All bacteria samples taken are surface water grab samples.

WIN Number / Site Name <u>20030891</u> <u>Goodbys Cr</u> <u>above west Branch Sun Creek</u>					WBID Number <u>2326A</u>		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☒ Fecal ☐		Initials Sample & Preservation <u>JL</u>		Initials Documentation <u>JP</u>		
					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					
<u>905</u>	<u>0.4</u>	<u>0.3</u>	<u>26.6</u>	<u>287.7</u>	<u>0.14</u>	<u>7.27</u>	<u>4.62</u>	<u>57.4</u>	<u>VOB</u> <u>0.4</u>	<u>-</u>					
Comments and Weather:															

WIN Number / Site Name <u>20030958</u> <u>Craig</u> <u>100m down from foot bridge path</u>					WBID Number <u>2297B</u>		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☐ Enterococcus ☒ Fecal ☐		Initials Sample & Preservation <u>JL</u>		Initials Documentation <u>JP</u>		
					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					
<u>920</u>	<u>0.5</u>	<u>0.3</u>	<u>26.0</u>	<u>348.8</u>	<u>0.17</u>	<u>7.17</u>	<u>5.57</u>	<u>68.9</u>	<u>0.5</u> <u>VOB</u>	<u>Ebb</u>					
Comments and Weather:															

WIN Number / Site Name <u>20030793</u> <u>Craig CRC</u> <u>Hendricks ave</u>					WBID Number <u>2297B</u>		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☐ Enterococcus ☒ Fecal ☐		Initials Sample & Preservation <u>JL</u>		Initials Documentation <u>JP</u>		
					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					
<u>930</u>	<u>0.5</u>	<u>0.3</u>	<u>26.3</u>	<u>350</u>	<u>0.17</u>	<u>7.25</u>	<u>6.08</u>	<u>75.5</u>	<u>VOB</u> <u>0.5</u>	<u>Ebb</u>					
Comments and Weather:															

 Signature: JL

 Date: 8/2/2021

BD 08/23/2021

Field Sheet Scanned (Initials/date):

Parameters uploaded to LIMs (Initials/date):

BD 08/23/2021

Data QC'd in LIMs (Initials/date):

Data Migrated to WIN (Initials/date):

WIN Number / Site Name 20030453 Little Fish weir CR e Oak St.					WBID Number 2280 A		Matrix: Surface Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation JL		Initials Documentation JP		
					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					
955	0.1	0.05	25.5	341.8	0.16	7.09	4.47	54.7	0.1	ebb					
Comments and Weather:															

WIN Number / Site Name 20030801 Big Fish weir CR SF @ Hamilton St.					WBID Number 2280 A		Matrix: Surface Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation JL		Initials Documentation JP		
					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					
1010	0.32	0.3	25.4	273.2	0.13	7.39	6.37	77.6	0.6	ebb					
Comments and Weather:															

WIN Number / Site Name 20030082 Butcher Pen e Confederate					WBID Number 2322		Matrix: Surface Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation JL		Initials Documentation JP		
					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					
1030	0.3	0.15	25.8	209.5	0.10	7.07	5.0	61.7	0.3	ebb					
Comments and Weather:															

WIN Number / Site Name 20030760 Butcher Pen CR AT weconnett					WBID Number 2322		Matrix: Surface Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation JL		Initials Documentation JP		
					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					
1045	1.1	0.3	25.9	220.5	0.13	7.25	6.84	84.2	0.6	ebb					
Comments and Weather:															

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM



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

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SR #
ALS Contact: Mandy Sullivan

Client Name FDEP-NE ROC		Project Number RQ-2021-08-02-31		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																	
Report To Dep-Overflowmicro@dep.state.fl.us		Report CC BMAP 1		NUMBER OF CONTAINERS	Preservat	8	8														Preservative Key 0. None 1. HCL 2. HNO3 3. H2SO4 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO4 8. ICE REMARKS
Company/Address 8800 Baymeadows Way W Jacksonville, FL 32256																					
Phone # 904-256-1700		FAX #																			
Sampler's Signature <i>[Signature]</i>		Sampler's Printed Name J. Lee																			
CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	TIME	Matrix																	
20030891		8/21	0905	SW	1	X														Fresh	
20030958			0920		1		X														
20030793			0930		1		X														
20030953			0955		1	X															
20030801			1010		1	X															
20030082			1030		1	X															
20030760			1245		1	X															
Special Instructions/Comments: Email Report to: Dep-Overflowmicro@dep.state.fl.us Dilute Butcher Pen + Craig Creek sites @ 10x ★ Dilute: 20030958, 20030793, 20030082, 20030760				TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) X STANDARD REQUESTED FAX DATE N/A REQUESTED REPORT DATE N/A				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. # B10739 Bill to									
Relinquished By Signature <i>[Signature]</i> Printed Name J. Lee Firm FDEP Date/Time 8/21 1243		Received By Signature <i>[Signature]</i> Printed Name Chel Weigand Firm ALS Date/Time 8/21 1243		Relinquished By Signature Printed Name Firm Date/Time		Received By Signature Printed Name Firm Date/Time		Relinquished By Signature Printed Name Firm Date/Time		Received By Signature Printed Name Firm Date/Time											