

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: Pro DSS Desi

RQ- 2020-08-24-15
2020-08-24-14

Project: BMAP1/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 6/2020

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.	<u>K. Appleby</u>	<u>8/27/20</u>	<u>716</u>	<u>23.4</u>	<u>761.5</u>	<u>8.5</u>	<u>8.53</u>	<u>100.2</u>	-	<u>1.0643</u>	<u>(P) F</u>	<u>(L) F</u>
ICV	<u>↓</u>	<u>8/27/20</u>	<u>718</u>	<u>23.4</u>	<u>761.7</u>	<u>8.5</u>	<u>8.53</u>	<u>100.2</u>	-	<u>1.0643</u>	<u>(P) F</u>	<u>(L) F</u>
CCV	<u>↓</u>	<u>8/27/20</u>	<u>1428</u>	<u>23.4</u>	<u>761.6</u>	<u>8.3</u>	<u>8.23</u>	<u>100.3</u>	-	<u>1.0643</u>	<u>(P) F</u>	<u>(L) F</u>
CCV				<u>25.1</u>	<u>761.5</u>						<u>P / F</u>	<u>L / F</u>

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 mos/cm	Meter Reading μ mos/cm	Pass / Fail	Lab / Field
Calibr.	<u>K. Appleby</u>	<u>8/27/20</u>	<u>719</u>	<u>2004076</u>	<u>4/2021</u>	<u>1000</u>	<u>1000</u>	<u>(P) F</u>	<u>(L) F</u>
ICV	<u>↓</u>	<u>↓</u>	<u>725</u>	<u>191025A</u>	<u>11/2020</u>	<u>1413</u>	<u>1407</u>	<u>(P) F</u>	<u>(L) F</u>
CCV	<u>↓</u>	<u>↓</u>	<u>1430</u>	<u>2004077</u>	<u>4/2021</u>	<u>100</u>	<u>103.6</u>	<u>(P) F</u>	<u>(L) F</u>
CCV								<u>P / F</u>	<u>L / F</u>

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.	<u>K. Appleby</u>	<u>8/27/20</u>	<u>735</u>	<u>2001031</u>	<u>1/2022</u>	<u>7.00</u>	<u>24.7</u>	<u>7.00</u>	<u>13.6</u>	<u>(P) F</u>	<u>(L) F</u>
Calibr.	<u>↓</u>	<u>↓</u>	<u>745</u>	<u>2910629</u>	<u>10/2021</u>	<u>4.00</u>	<u>24.2</u>	<u>4.00</u>	<u>165.2</u>	<u>(P) F</u>	<u>(L) F</u>
Calibr.	<u>↓</u>	<u>↓</u>	<u>747</u>	<u>2002911</u>	<u>8/2021</u>	<u>10.00</u>	<u>24.2</u>	<u>10.00</u>	<u>187.1</u>	<u>(P) F</u>	<u>(L) F</u>
ICV	<u>↓</u>	<u>↓</u>	<u>750</u>	<u>2001031</u>	<u>1/2022</u>	<u>7.00</u>	<u>24.2</u>	<u>7.03</u>	<u>13.8</u>	<u>(P) F</u>	<u>(L) F</u>
CCV	<u>↓</u>	<u>↓</u>		<u>2910629</u>	<u>10/2021</u>	<u>4.00</u>	<u>24.6</u>	<u>4.02</u>	<u>164.0</u>	<u>(P) F</u>	<u>(L) F</u>
CCV										<u>P / F</u>	<u>L / F</u>

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: 6/2020

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	<u>K. Appleby</u>	<u>8/27/20</u>	<u>753</u>	<u>0.00</u>	<u>0.00</u>	<u>(P) F</u>	<u>(L) F</u>

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 *km*

 Data Pass CCV?
Yes / No

 Date: ~~8/18/2020~~ 8/27/20 RQ#: ~~2020-08-17-35~~ 2020-08-24-14

 Event Name: BMAP 2-1

 Meter ID: Pro DSS Stitch

 Sampling Team Members: J. Parrish, K. McDonald, K. Appleby

All bacteria samples taken are surface water grab samples.

WIN ID/Field ID:  20030793				WBID Number <u>22978</u>		Matrix: Surface ☐ Fresh ☐ Surface Salt ☒		Sample Type: E. coli ☐ Enterococcus ☒ Fecal ☐		Initials Sample & Preservation <i>KA</i>		Initials Documentation <i>KM</i>	
CRAIG CR @ HENDRICKS AVE				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>09115</u>	<u>0.6</u>	<u>0.3</u>	<u>27.2</u>	<u>434.5</u>	<u>0.21</u>	<u>7.29</u>	<u>4.42</u>	<u>55.6</u>	<u>0.6(5)</u>	<u>Flood</u>			
Comments and Weather:													

WIN ID/Field ID:  20030760				WBID Number <u>2322</u>		Matrix: Surface ☐ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation <i>KA</i>		Initials Documentation <i>KM</i>	
BUTCHER PEN CR AT WESCONNETT				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>0930</u>	<u>0.92</u>	<u>0.3</u>	<u>27.1</u>	<u>347.7</u>	<u>0.17</u>	<u>7.27</u>	<u>4.58</u>	<u>57.6</u>	<u>0.9</u>	<u>Ebb</u> <u>Flood</u>			
Comments and Weather:													

WIN ID/Field ID:  20030082				WBID Number <u>2322</u>		Matrix: Surface ☐ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation <i>KM</i>		Initials Documentation <i>KA</i>	
BUTCHER PEN CR @ CONFEDERATE PT ROAD				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>0950</u>	<u>0.24</u>	<u>0.12</u>	<u>30.4</u>	<u>399.0</u>	<u>0.19</u>	<u>7.14</u>	<u>3.10</u>	<u>41.2</u>	<u>0.24</u>	<u>Ebb</u> <u>(S)</u>			
Comments and Weather:													

Signature: _____ Date: _____

Field Sheet Scanned (Initials/date): _____ Parameters uploaded to LIMs (Initials/date): _____

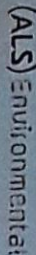
Data QC'd in LIMs (Initials/date): _____ Data Migrated to WIN (Initials/date): _____

WIN ID/Field ID:  20030891 GOODBYS CR ABOVE WEST BRANCH AT SAN CLERC					WBID Number 2326A		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation KA		Initials Documentation KM	
					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				
1200	0.359	0.2	27.2	269.2	0.13	7.35	4.85	61.1	0.359(5)	Ebb				
Comments and Weather:														

WIN / Field ID:  20030801 BIG FISHWEIR CR SF @ HAMILTON ST					WBID Number 2280A		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation KA		Initials Documentation KM	
					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	0.40	0.20	27.5	556	0.27	7.5	5.09	104.5	0.40 (5)	Ebb				
Comments and Weather:														

WIN / Field ID:  20030953 LITTLE FISHWEIR AT OAK ST.					WBID Number 2280A		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation KM		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	0.6	0.3	27.2	445.9	0.21	7.15	3.18	40.2	0.6(5)	Ebb				
Comments and Weather:														

WIN Number / Site Name					WBID Number		Matrix: Surface ☐ Fresh ☐ Surface Salt ☐		Sample Type: E. coli ☐ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation		Initials Documentation	
					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				
Comments and Weather:														



SR

ALS Contact: Mandy Sullivan

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Page 1 of 1

Client Name		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																							
FDEP-NE ROC		RQ-2020-08-24-14																									
Report To		Report CC																									
Dep-Overflowmicro@dep.state.fl.us																											
Company/Address																											
8800 Baymeadows Way W																											
Jacksonville, FL 32256																											
Phone #		FAX #																									
904-256-1700																											
Sampler's Signature		Sampler's Printed Name																									
Kelly McDonald		Kelly McDonald																									
CLIENT SAMPLE ID		LAB ID		SAMPLING DATE		SAMPLING TIME		Matrix		NUMBER OF CONTAINERS																	
20030760				8/27		0930		SW		E.Coli																	
20030082						0950		1		X																	
20030801						1010		1		X																	
20030953						1035		1		X																	
20030793						1115		1		X																	
20030891						1200		1		X																	
Special Instructions/Comments: Email Report to: Dep-Overflowmicro@dep.state.fl.us																											
O.O.C.																											
Relinquished By				Signature				Relinquished By				Signature				Received By				Signature				Received By			
Kelly McDonald				Kelly McDonald				Kelly McDonald				Kelly McDonald				Kelly McDonald				Kelly McDonald				Kelly McDonald			
Printed Name				Printed Name				Printed Name				Printed Name				Printed Name				Printed Name							
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