

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: 517C4

RQ: 2021-08-02-29

Project: SMP (S)RW

- 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

5/17/21

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	8/3/21	755	22.3	759.6	8.7	✓	100.0	✓	1.02	P/F	L/F
ICV			757	21.9	759.5	8.8	8.79	100.3	✓	1.02	P/F	L/F
CCV	J. Lee		1329	20.5 24.5	759.5 759.3	8.3	8.30	99.4	✓	1.01	P/F	L/F
CCV				24.5	759.3						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.	Brian Davis	8/3/21	749	210426B	05/22	1000	1000	P/F	L/F
ICV			751	210426A	05/22	100	100.7	P/F	L/F
CCV	J. Lee		1332	210426C	05/22	1413	1413	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	8/3/21	803	2D12E39	12/22	7.02	21.8	7.02	-24.4	P/F	L/F
Calibr.			808	2103G59	03/23	4.00	22.3	4.00	150.9	P/F	L/F
Calibr.			818	2103F53	09/22	10.04	21.6	10.04	-191.0	P/F	L/F
ICV			825	2103G59	12/22	7.02	21.9	7.04	-21.8	P/F	L/F
CCV	J. Lee		1335	2103G59	03/23	4.00	22.3	4.02	145.7	P/F	L/F
CCV			1339	2103F53	09/22	10.03	22.1	10.05	-198.7	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 10 166.6, slope from 4 to 7 175.7 (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: 7/8/21

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	8/3/21	820	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: 8/31/21 RQ#: 2021-08-09-16
 Event Name: _____ Meter ID: Stitch
 Sampling Team Members: J. Lee + B Davis
 All bacteria samples taken are surface water grab samples.

WIN Number / Site Name <u>Moncrief Cr @ Moncrief rd</u> <u>20030726</u>				WBID Number <u>2228B</u>		Matrix: Surface ☒ Fresh ☐ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation <u>JL</u>		Initials Documentation <u>BD</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>945</u>	<u>0.8</u>	<u>0.3</u>	<u>27.3</u>	<u>232.7</u>	<u>0.11</u>	<u>7.5</u>	<u>3.62</u>	<u>45.7</u>	<u>0.1</u>	<u>Ebb</u>			
Comments and Weather:													

WIN Number / Site Name <u>Moncrief Cr @ 21st St</u> <u>20030897</u>				WBID Number <u>2228B</u>		Matrix: Surface ☒ Fresh ☐ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation <u>JL</u>		Initials Documentation <u>BD</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>1000</u>	<u>0.1</u>	<u>0.05</u>	<u>26.7</u>	<u>292.4</u>	<u>0.14</u>	<u>7.26</u>	<u>4.80</u>	<u>60.9</u>	<u>0.1</u>	<u>F</u>			
Comments and Weather:													

WIN Number / Site Name <u>Trout River @ Pinesmore Back</u> <u>Ramp Dock NR US 1</u> <u>20010123</u>				WBID Number <u>2203B</u>		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			
<u>1025</u>	<u>0.7</u>	<u>0.3</u>	<u>26.5</u>	<u>106.1</u>	<u>0.05</u>	<u>6.67</u>	<u>5.10</u>	<u>63.5</u>	<u>0.4</u>	<u>Ebb</u>			
Comments and Weather:													

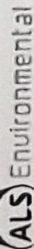
Signature: B. D. Date: 08/03/2021Field Sheet Scanned (Initials/date): BD 08/03/2021 Parameters uploaded to LIMS (Initials/date): _____Data QC'd in LIMS (Initials/date): BD 08/23/2021 Data Migrated to WIN (Initials/date): _____

WIN Number / Site Name <i>Trout River at Old Kiss Rd.</i> <i>20030753</i>					WBID Number <i>2203</i>		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation <i>JL</i>		Initials Documentation <i>BD</i>	
					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				
<i>1035</i>	<i>0.8</i>	<i>0.2</i>	<i>25.1</i>	<i>84.6</i>	<i>0.04</i>	<i>6.55</i>	<i>5.87</i>	<i>71.1</i>	<i>0.4</i>	<i>Ebb</i>				
Comments and Weather:														

WIN Number / Site Name <i>Terrapin Cn @ Faye Rd.</i> <i>20030653</i>					WBID Number <i>2204</i>		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation <i>JL</i>		Initials Documentation <i>BD</i>	
					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				
<i>1110</i>	<i>0.2</i>	<i>0.1</i>	<i>26.7</i>	<i>106.6</i>	<i>0.05</i>	<i>6.67</i>	<i>6.05</i>	<i>75.6</i>	<i>0.2</i>	<i>---</i>				
Comments and Weather:														

WIN Number / Site Name <i>NW Trail to Open Cn at Hodges</i> <i>20030848</i>					WBID Number <i>2299B</i>		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation <i>JL</i>		Initials Documentation <i>BD</i>	
					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				
<i>1145</i>	<i>0.8</i>	<i>0.2</i>	<i>27.9</i>	<i>328.8</i>	<i>0.16</i>	<i>6.88</i>	<i>5.88</i>	<i>63.4</i>	<i>0.8</i>	<i>---</i>				
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:														



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Page 1 of 1

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