

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 Blue

RQ: 2021-05-31-30

Project: BMAP 2

- 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.	J Pansh	6/1/21	826	26.3	766	8.1	8.1	100.8	—	1.0356	Ⓟ F	Ⓟ F
ICV	J	6/1/21	827	26.3	766	8.1	8.14	100.9	—	1.0356	Ⓟ F	Ⓟ F
CCV	J Pansh	6/1/21	1243	23.2	766	8.6	8.57	99.2			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.	J Pansh	6/1/21	828	201222A	1/22	1000	1000	Ⓟ F	Ⓟ F
ICV	J	J	830	201222A	1/22	100	102.6	Ⓟ F	Ⓟ F
CCV	J Pansh	6/1/21	1245	210426D	5/22	20000	19800	Ⓟ F	Ⓟ 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 Pansh	6/1/21	831	2010F27	10/22	7.	26.8	7.00	30.7	Ⓟ F	Ⓟ F
Calibr.	J	J	833	2010C31	9/22	4.	26.7	4.01	154.6	Ⓟ F	Ⓟ F
Calibr.	J	J	835	2103FS3	9/22	10.	26.8	10.00	191.4	Ⓟ F	Ⓟ F
ICV	J	J	840	2010C31	9/22	4.	26.6	3.96	153.8	Ⓟ F	Ⓟ F
CCV	J Pansh	6/1/21	8247	2103FS3	9/22	10	25.6	9.96	142.4	Ⓟ F	Ⓟ 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: _____

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 Pansh	6/1/21	842	0.00	0.00	Ⓟ F	Ⓟ 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: 6/1/21 RQ#: 2021-05-31-30Event Name: BMAP 2 Meter ID: Pro DSS BrilleSampling Team Members: K. McDonald + K. McDonald

All bacteria samples taken are surface water grab samples.

WIN ID/Field ID:	 20030848	WBID Number <u>2299B</u>	Matrix: Surface ☐ Fresh ☒ Surface Salt ☐	Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐	Initials Sample & Preservation <u>KM</u>	Initials Documentation <u>JP</u>				
NW TRIBUTARY TO OPEN CR AT HODGES		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>1120</u>	<u>0.2</u>	<u>0.1</u>	<u>23.6</u>	<u>472.3</u>	<u>0.23</u>	<u>7.06</u>	<u>6.26</u>	<u>73.9</u>	<u>VOB</u>	<u>—</u>
Comments and Weather:										

WIN ID/Field ID:	 20030653	WBID Number <u>2204</u>	Matrix: Surface ☐ Fresh ☒ Surface Salt ☐	Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐	Initials Sample & Preservation <u>KM</u>	Initials Documentation <u>JP</u>				
TERRAPIN CR AT FAYE 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>1050</u>	<u>0.05</u>	<u>0.03</u>	<u>21.0</u>	<u>96</u>	<u>0.04</u>	<u>6.83</u>	<u>6.13</u>	<u>68.7</u>	<u>VOB</u>	<u>—</u>
Comments and Weather:										

WIN / Field ID:	 20030123	WBID Number <u>2203B</u>	Matrix: Surface ☐ Fresh ☐ Surface Salt ☒	Sample Type: E. coli ☐ Enterococcus ☒ Fecal ☐	Initials Sample & Preservation <u>KM</u>	Initials Documentation <u>JP</u>				
TROUT R @ DINSMORE BOAT RAMP DOCK NR US 1		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>1015</u>	<u>0.4</u>	<u>0.3</u>	<u>26.9</u>	<u>11582</u>	<u>6.58</u>	<u>6.82</u>	<u>6.32</u>	<u>82.1</u>	<u>VOB</u>	<u>Ebb</u>
Comments and Weather:										

Signature: [Signature] Date: 6/1/21Field Sheet Scanned (Initials/date): [Signature] Parameters uploaded to LIMs (Initials/date):Data QC'd in LIMs (Initials/date): BD 07/01/21 Data Migrated to WIN (Initials/date):

WIN / Field ID:  20030753 TROUT RIVER AT OLD KINGS RD					WBID Number 2203		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enteric ☐ Fecal ☐		Initials Sample & Preservation KM 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		
1025	0.3	0.2	21.8	951	0.47	7.11	2.7	30.5	VOB			
Comments and Weather:												

WIN / Field ID:  20030726 MONCRIEF CR AT MONCRIEF ROAD					WBID Number 2228B 2288		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enteric ☐ Fecal ☐		Initials Sample & Preservation KM 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		
948	0.56	0.3	23.4	464.3	0.22	7.20	2.67	31.4	VOB	ELL		
Comments and Weather:												

WIN / Field ID:  20030897 MONCRIEF CR @ 21ST ST					WBID Number 2228B		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enteric ☐ Fecal ☐		Initials Sample & Preservation KM 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	0.145	0.05	22.5	476.5	0.23	7.07	2.43	31.1	VOB	Na		
Comments and Weather:												

WIN Number / Site Name					WBID Number		Matrix: Surface ☐ Fresh ☐ Surface Salt ☐		Sample Type: E. coli ☐ Enteric ☐ Fecal ☐		Initials Sample & Preservation		Initials Document-ation	
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:														



CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR #

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