

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 5100 RQ: 2021-02-08-47 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

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.	J. Parnish	2/17/21	845	19.7	767	9.2	9.2	100.9	-	1.025	(P) F	(L) F
ICV	J	2/17/21	846	19.8	767	9.2	9.22	100.9	-	1.025	(P) F	(L) F
CCV	J. Parnish	2/17/21	1410	20.3	765	9.1	8.98	99.2	-	1.021	(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. Parnish	2/17/21	847	201222B	1/22	1000	1060	(P) F	(L) F
ICV	J	2/17/21	848	200902A	9/21	100	98	(P) F	(L) F
CCV	J. Parnish	2/17/21	1412	200902C	9/21	1413	1403	(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. Parnish	2/17/21	849	2006FS2	6/22	7.	26.2	2.02	-20.1	(P) F	(L) F
Calibr.	J		850	2012B71	12/21	4.	21.9	3.97	159.6	(P) F	(L) F
Calibr.	J		851	2006E28	12/21	10.	21.5	14.81	-169.1	(P) F	(L) F
ICV	J		858	2012B71	12/21	4.	21.9	4.05	155.4	(P) F	(L) F
CCV	J. Parnish	2/17/21	1413	2006E28	12/21	10	21.9	10.11	195.6	(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 $+180 \pm 50$;

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. Parnish	2/17/21	900	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:

69752318



2/17/21 Florida DEP North East District ROC BMAP Field sheet

 Data Pass CCV?
 YES / No

 Date: ~~2/19/2021~~ 2/17/21 RQ#: 2021-02-08-47

Event Name: BMAP 2 Meter ID:

Sampling Team Members: K. McDonald, K. Appleby

All bacteria samples taken are surface water grab samples.

WIN ID/Field ID:  20030848					WBID Number 2299B		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation JP		Initials Documentation JA	
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				
1215	0.59	0.3	16.8	341.7	0.17	6.79	8.94	83.3	0.59/8	N/A				
Comments and Weather: Late R for recent rain. High water level, still in banks														

WIN ID/Field ID:  20030653					WBID Number 2204		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation JP		Initials Documentation JA	
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				
1155	0.17	0.08	14.9	105.9	0.05	6.98	8.81	87.1	0.17/8	N/A				
Comments and Weather: Late R for recent rain														

WIN / Field ID:  20030123					WBID Number 2203B		Matrix: Surface ☐ Fresh ☐ Surface Salt ☐		Sample Type: E. coli ☐ Enterococcus ☒ Fecal ☐		Initials Sample & Preservation KA		Initials Documentation JP	
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				
1115	1.1	0.3	14.8	98.3	0.05	6.63	7.43	75.3	0.6	Ebb				
Comments and Weather: Recent rain														

 Signature: Jeremy Carr

 Date: 2/17/21

Field Sheet Scanned (Initials/date):

Parameters uploaded to LIMs (Initials/date):

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

Data Migrated to WIN (Initials/date):

WIN / Field ID:  20030753					WBID Number 2203		Matrix: Surface ☐ Fresh ☐ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation		Initials Documentation	
TROUT RIVER AT OLD KINGS RD					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	T20 High Flooded out of Banks													
Comments and Weather:														

WIN / Field ID:  20030726					WBID Number 2228B		Matrix: Surface ☐ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation		Initials Documentation	
MONCRIEF CR AT MONCRIEF ROAD					Sample Access: Wading ☐ Dock ☐ From Shore ☒ Bridge ☐				Sample Ice Preserved in 15 minutes? Yes ☒ No ☐				KA JP	
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	0.2	0.1	16.9	311	0.15	7.42	6.30	64.8	0.25	VDB				
Comments and Weather: Recent Rain														

WIN / Field ID:  20030897					WBID Number 2228B		Matrix: Surface ☐ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation		Initials Documentation	
MONCRIEF CR @ 21ST ST					Sample Access: Wading ☐ Dock ☐ From Shore ☒ Bridge ☐				Sample Ice Preserved in 15 minutes? Yes ☒ No ☐				KA JP	
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				
1000	0.1	0.05	21.2	480	0.23	7.36	6.0	68.0	0.15	VDB				
Comments and Weather: Recent Rain														

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:														

