

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: **VSI STITCH**

RQ: **2021-04-0556**

Project: **BMAP-1**

- 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 _____

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 Purnsh	4/7/21	835	21.9	764.6	8.8	8.8	100.6	—	1.040	(P) F	(L) F
ICV	J	4/7/21	836	21.9	764.4	8.8	8.85	100.7	—	1.040	(P) F	(L) F
CCV	J Purnsh	4/7/21	1515	22.2	762	8.7	8.87	101.9	—	—	(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 Purnsh	4/7/21	837	201222B	1/22	1000	1000	(P) F	(L) F
ICV	J	4/7/21	838	201222A	1/22	100	103.3	(P) F	(L) F
CCV	J Purnsh	4/7/21	1517	20046763	4/21	20000	19617	(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 Purnsh	4/7/21	839	2010627	10/22	7.	22.5	7.01	-24.5	(P) F	(L) F
Calibr.	J		840	2010631	9/22	4.	22.3	4.00	157.4	(P) F	(L) F
Calibr.	J		843	2012797	5/22	10.	22.5	10.03	-190.6	(P) F	(L) F
ICV	J		845	2010631	9/22	4	22.5	4.10	149.2	(P) F	(L) F
CCV	J Purnsh	4/7/21	1518	2012797	5/22	10.	22.5	10.04	-196	(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 Purnsh	4/7/21	849	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: 4/7/21 RQ#: 2021-04-05-56

Event Name: BMAP 2 Meter ID: 51721

Sampling Team Members: JP/KA

All bacteria samples taken are surface water grab samples.

WIN Number / Site Name 20030897 Moncref @ 21st					WBID Number 2228B		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation KA		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					
1200	0.7	0.3	18.8	484.4	0.23	7.22	4.55	48.8	103						
Comments and Weather:															

WIN Number / Site Name 20030726 Moncref CR AT Moncref RD					WBID Number 2228B		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation KA		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					
1210	0.4	0.3	19.5	455.9	0.22	7.30	4.65	50.8	0.45	103					
Comments and Weather:															

WIN Number / Site Name 20030123 Trou R @ Dinsmore Boat Ramp Rock US1					WBID Number 2203A		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☐ Enterococcus ☒ Fecal ☐		Initials Sample & Preservation KA		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					
1240	0.1	0.05	21.9	411.6	2.19	6.98	6.42	73.9	103	Ebb					
Comments and Weather:															

Signature: [Signature] Date: 4/7/21

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

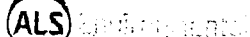
Data QC'd in LIMs (Initials/date): BD 05/13/21 Data Migrated to WIN (Initials/date):

WIN Number / Site Name 20030753 Trout River at Old Kings Rd					WBID Number 2203		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation KA		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				
1245	0.4	0.3	16.8	129	0.06	7.15	7.35	75.3	VOB	—				
Comments and Weather:														

WIN Number / Site Name 20030653 Terrapin Creek Faye Rd.					WBID Number 2204		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation KA		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				
1400	0.05	0.04	18.8	184	0.05	6.63	6.67	71.3	VOB	—				
Comments and Weather:														

WIN Number / Site Name 20030848 NW Tributary to open creek at 1st bridge					WBID Number 2299B		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation KA		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				
1430	0.3	0.15	21.6	450.8	0.22	7.23	7.69	87.3	VOB	—				
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:														



CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

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

SR #

ALS Contact: Mandy Sullivan

Page 1 of 1

[illegible]