

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: Stitch

RQ: 2020-10-26-26

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 10/14/20

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.	K. Appleby	10/22/20	858	23.0	763.5	8.5	8.54	100.5	-	1.02	P/F	L/F
ICV	↓	10/22/20	900	23.5	763.5	8.5	8.54	100.4	-	1.02	P/F	L/F
CCV	Brian Davis	10/22/20	1358	23.4	763.0	8.5	8.49	99.6	✓	1.02	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.	K. Appleby	10/22/20	927	2009028	9/2021	1000	1000	P/F	L/F
ICV	↓	10/22/20	930	200407D	4/2021	100	102.1	P/F	L/F
CCV	Brian Davis	10/22/20	1401	191025A	11/20	1413	1393	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.	K. Appleby	10/22/20	932	2001631	1/2022	7.00	24.0	7.00	-40.2	P/F	L/F
Calibr.	↓	↓	934	2006806	5/2022	4.00	21.2	4.00	137.2	P/F	L/F
Calibr.	↓	↓	936	2002911	8/2021	10.00	21.2	10.00	-212.1	P/F	L/F
ICV	↓	↓	938	2001631	1/2022	7.00	24.0	7.05	-40.7	P/F	L/F
CCV	Brian Davis	10/22/20	1403	2002911	8/21	10.01	24.3	10.09	-217.9	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	K. Appleby	10/22/20	952	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: 10/22/20 RQ#: 2020-10-26-26Event Name: BMAP 1

Meter ID: _____

Sampling Team Members: Brian Paris, Kim Appleby

All bacteria samples taken are surface water grab samples.

WIN ID/Field ID:



20030958

CRAIG CR. 100m DOWN FROM
FOOTBRIDGE IN PARK

WBID Number

2297B

Matrix:

Surface ☒
Fresh ☐
Surface Salt ☒

Sample Type:

E. coli ☐
Enterococcus ☒
Fecal ☐Initials
Sample &
PreservationInitials
Document-
ation

Sample Access:

Wading ☐ Dock ☐
From Shore ☒ Bridge ☐Sample Ice Preserved in 15
minutes?
Yes ☒
No ☐

BD

KA

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
1225	0.9	0.3	25.2	4852	2.6	6.95	2.42	29.8	0.9	Slack
1235										

Comments and Weather:

Group A

WIN Number / Site Name

WIN ID/Field ID:



20030793

CRAIG CR @ HENDRICKS AVE

WBID Number

2297B

Matrix:

Surface ☒
Fresh ☐
Surface Salt ☐

Sample Type:

E. coli ☐
Enterococcus ☒
Fecal ☐Initials
Sample &
PreservationInitials
Document-
ation

Sample Access:

Wading ☐ Dock ☐
From Shore ☒ Bridge ☐Sample Ice Preserved in 15
minutes?
Yes ☒
No ☐

BD

KA

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
1225	0.54	0.25	24.8	3044	1.59	6.9	2.07	24.8	0.54	Ebb

Comments and Weather:

Group A

WIN Number / Site Name

WIN ID/Field ID:



20030760

BUTCHER PEN CR AT WESCONNETT

WBID Number

2322

Matrix:

Surface ☒
Fresh ☒
Surface Salt ☐

Sample Type:

E. coli ☒
Enterococcus ☐
Fecal ☐Initials
Sample &
PreservationInitials
Document-
ation

Sample Access:

Wading ☐ Dock ☐
From Shore ☐ Bridge ☒Sample Ice Preserved in 15
minutes?
Yes ☒
No ☐

BD

KA

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
1045	1.45	0.3	23.8	177.1	0.08	7.09	7.00	83.0	0.1	Ebb

Comments and Weather:

Highly turbid compared to usual conditions.

Group B

Signature: B. D.Date: 10/22/20Field Sheet Scanned (Initials/date): BD 10/22/20

Parameters uploaded to LIMS (Initials/date): _____

Data QC'd in LIMS (Initials/date): BD 11/17/2020

Data Migrated to WIN (Initials/date): _____

All samples sent to ALS Contract LAB.

All documentation meets requirements of FDEP SOP FD 1000

WIN ID/Field ID:  20030082		WBID Number 2322		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation BD		Initials Documentation KA	
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	
1110	1.22	0.3	25.1	303.5	27.8	6.71	35.5	37.5	0.3	Flood	
					20.14		3.16				
Comments and Weather: <i>Highly turbid compared to usual conditions. Group B</i>											

WIN ID/Field ID:  20030891		WBID Number 2326A		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation KA		Initials Documentation BD	
GOODBYS CR ABOVE WEST BRANCH AT SAN CLERC				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	
1255	0.65	0.3	24.5	307.0	0.15	7.41	5.42	65.1	0.2	F66	
Comments and Weather: <i>Highly Turbid Water Group B</i>											

WIN / Field ID:  20030801		WBID Number 2280A		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation KA		Initials Documentation BD	
BIG FISHWEIR CR SF @ HAMILTON ST				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	
1135	0.8	0.3	24.2	436.2	0.21	7.17	2.59	42.6	VOF	Flood	
Comments and Weather: <i>Group B</i>											

WIN / Field ID:  20030953		WBID Number 2280A		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation KA		Initials Documentation BD	
LITTLE FISHWEIR AT OAK ST.				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	24.6	398.3	0.19	6.9	1.22	14.9	VOF	Flood	
Comments and Weather: <i>Group B</i>											



SR #
ALS Contact

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Chain of Custody

SMIF-9