

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- 2020-09-07-27

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 6/18/20

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	9/15/20	1004	23.2	763.0	8.66	8.6	100.4	-	1.019855	P/F	L/F
ICV	↓	↓	1005	23.8	763.0	7.08	8.5	100.7	-	1.019855	P/F	L/F
CCV	↓	↓				8.51					P/F	L/F
CCV	↓	↓	1434	23.2	762.1	8.6	8.56	99.8	-	1.019855	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	9/15/20	1009	200407L	4/2021	1000	1000	P/F	L/F
ICV	↓	↓	1011	200407D	4/2021	100	102.6	P/F	L/F
CCV	↓	↓	1436	191025B	11/2020	20000	19533	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	9/15/20	1023	20010631	1/2022	7.00	24.1	7.00	-33.9	P/F	L/F
Calibr.	↓	↓	1025	2910629	10/2021	4.00	24.7	4.00	148.2	P/F	L/F
Calibr.	↓	↓	1027	2002911	8/2021	10.00	24.8	10.00	-206.1	P/F	L/F
ICV	↓	↓	1029	20010631	1/2022	7.00	24.7	7.01	-30.9	P/F	L/F
CCV	↓	↓	1454	2910629	10/2021	4.00	24.5	4.04	144.9	P/F	L/F
CCV	↓	↓		2002911	8/2021	10.00	24.6	10.03	-208.6	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: 6/18/20

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	9/15/20	1034	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:

Revision 2/24/2020



Florida DEP North East District ROC BMAP Field sheet

Data Pass CCV?

Yes No

Date: 9/15/2020 RQ#: 2020-09-07-27Event Name: BMAP 1 Meter ID: Pro DSSSampling Team Members: K. McDonald, K. Appleby

All bacteria samples taken are surface water grab samples.

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 &
Preservation

RM

Initials
Documentation

KA

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
1300	0.26	0.13	26.9	893	0.41	7.12	4.34	55.2	0.265	Ebb

Comments and Weather:

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 &
Preservation

KA

Initials
Documentation

KM

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
1310	1.307	0.3	29.3	74 KM	4.11	7.1	2.55	34.1	1.307	Ebb
				7607					(5)	

Comments and Weather:

WIN ID/Field ID:



20030891

GOODBYS CR ABOVE WEST BRANCH
AT SAN CLERC

WBID Number

2326A

Matrix:
Surface ☒
Fresh ☒
Surface Salt ☐Sample Type:
E. coli ☒
Enterococcus ☐
Fecal ☐Initials
Sample &
Preservation

KM

Initials
Documentation

KA

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
1335	0.6	0.3	27.1	307.4	0.15	7.21	4.68	58.9	0.6(5)	Ebb

Comments and Weather: Very high water level, recently over banks seen by high tide markSignature: K. ApplebyDate: 9/15/20

Field Sheet Scanned (Initials/date):

Parameters uploaded to LIMS (Initials/date):

Data QC'd in LIMS (Initials/date):

Data Migrated to WIN (Initials/date):

Revision 2/24/2020

WIN / Field ID:



20030953

LITTLE FISHWEIR AT OAK ST.

WBID Number

2280A

Matrix:
Surface
Fresh ☒
Surface Salt
☐

Sample Type:

E. coli ☒
Enterococcus ☐
Fecal ☐Initials
Sample &
Preservation

KA

Initials
Document-
ation

KM

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
1220	1.115	0.3	26.7	403.5	0.19	6.9	1.69	21.0	1.115(S)	Ebb

Comments and Weather:

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 &
Preservation

KA

Initials
Document-
ation

KM

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	1.570	0.3	26.3	320.4	0.15	7.2	5.53	68.6	1.0	Ebb
	1.46									

Comments and Weather:

WIN ID/Field ID:



20030082

BUTCHER PEN CR @ CONFEDERATE PT ROAD

WBID Number

2322

Matrix:
Surface
Fresh ☒
Surface Salt
☐

Sample Type:

E. coli ☐
Enterococcus ☐
Fecal ☐Initials
Sample &
Preservation

KM

Initials
Document-
ation

KA

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
1140	1.0	0.3	27.6	288.5	0.14	6.89	2.49	32.2	1.0(S)	Flood

Comments and Weather:

WIN / Field ID:



20030801

BIG FISHWEIR CR SF
@ HAMILTON ST

WBID Number

2280A

Matrix:
Surface
Fresh ☒
Surface Salt
☐

Sample Type:

E. coli ☒
Enterococcus ☐
Fecal ☐Initials
Sample &
Preservation

KA

Initials
Document-
ation

KM

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	1.069	0.3	26.9	380.5	0.18	7.2	3.68	45.7	1.069(S)	Ebb

Comments and Weather:



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