

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: A0DSS5Desi RQ: 2020-12-21-06 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 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. McDonald	12/30	0930	20.8	768.4	9.0	-	101.1	-	1.057	P/F	L/F
ICV	↓	↓	0931	20.9	768.4	9.0	9.03	101.1	-	1.057	P/F	L/F
CCV	Kim Appleby	↓	1721	22.0	765.1	8.8	8.75	100.0	-	1.057	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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	K. McDonald	12/30	0934	200902B	09/21	1000	1000	P/F	L/F
ICV	↓	↓	0943	200902A	09/21	100	103.5	P/F	L/F
CCV	Kim Appleby	↓	1724	2006528 200902L	12/21 9/21	1413	1411	P/F	L/F
CCV							1407	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. McDonald	12/30	0949	2000F52	06/22	7.01	21.8	7.02	-41.1	P/F	L/F
Calibr.	↓	↓	0958	2000B06	05/22	4.00	21.7	4.00	144.9	P/F	L/F
Calibr.	↓	↓	1001	2000F2B	12/21	10.03	21.8	10.04	-203.9	P/F	L/F
ICV	↓	↓	1003	2000B06	05/22	4.00	21.8	3.96	145.1	P/F	L/F
CCV	Kim Appleby	↓	1726	2006E28	12/21	10.00	22.3	9.96	-203.8	P/F	L/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50; mV pH 4 Range +180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 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: 10/14/20

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. McDonald	12/30	1004	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 Loss CCV?

No

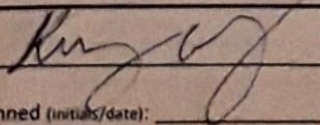
Date: 12-30-2020 RQ#: 2020-12-21-06Event Name: BMAP 2Meter ID: DesiSampling Team Members: Km Appleby + Kuly McDonald

All bacteria samples taken are surface water grab samples.

WIN ID/Field ID:		 20030848		WBID Number <u>22993</u>		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☐ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation		Initials Documentation			
NW TRIBUTARY TO OPEN CR AT HODGES				Sample Access: Wading ☐ Dock ☐ From Shore ☒ Bridge ☐				Sample Ice Preserved in 15 minutes? Yes ☒ No ☐				KM		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					
1040	0.42	0.2	16.8	437.0	0.21	6.67	7.24	74.5	0.42(s)	Ebb					
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		Initials Documentation			
TERRAPIN CR AT FAYE ROAD				Sample Access: Wading ☐ Dock ☐ From Shore ☒ Bridge ☐				Sample Ice Preserved in 15 minutes? Yes ☒ No ☐				KM		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					
1115	0.1	0.05	15.1	169.0	0.08	6.30	7.23	71.8	0.1(s)	Ebb					
Comments and Weather:															

WIN / Field ID:		 20030123		WBID Number <u>22038</u>		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☐ Enterococcus ☒ Fecal ☐		Initials Sample & Preservation		Initials Documentation			
TROUT R @ DINSMORE BOAT RAMP DOCK NR US 1				Sample Access: Wading ☐ Dock ☒ From Shore ☐ Bridge ☐				Sample Ice Preserved in 15 minutes? Yes ☒ No ☐				KM		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					
1150	0.92	0.3	10.7	286.5	0.14	6.67	8.80	79.4	0.7	Ebb					
Comments and Weather:															

Signature: Date: 12/30/20

Field Sheet Scanned (initials/date):

Parameters uploaded to LIMS (initials/date):

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

BD 01/13/2021

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		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				
1200	0.87	0.3	12.6	132.3	0.06	6.61	8.86	83.2	0.8	N/A				
Comments and Weather:														

WIN / Field ID:  20030897 MONCRIEF CR @ 21ST ST					WBID Number 22283		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enteric ☐ 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				
1225	0.2	0.1	18.1	474.0	0.23	7.10	6.64	70.3	0.2(5)	N/A				
Comments and Weather:														

WIN / Field ID:  20030726 MONCRIEF CR AT MONCRIEF ROAD					WBID Number 22283		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enteric ☐ 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				
1240	0.85	0.3	15.4	411.3	0.20	7.25	8.21	82.0	0.85(5)	Ebb				
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

ALS Environmental

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

SR #

ALS Contact: Mandy Sullivan

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