

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:

575CH

RQ:

2020-06-22-44

Project:

2020-06-22-44

- 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.	J. Plush	6/22/20	737	26.1	764	8.2	8.2	100.5	—	1.027	P/F	D/F
ICV	J	J	738	26.1	764	8.2	8.14	100.5	—	1.027	P/F	D/F
CCV	K. Appleby	J	1443	26.8	762	8.0	8.05	100.6	—	1.027	P/F	D/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. Plush	6/22/20	739	200407C	4/21	1000	1000	P/F	D/F
ICV	J	J	740	190711A	7/20	100	102	P/F	D/F
CCV	K. Appleby	J	1444	191025C	11/20	50008	49812	P/F	D/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. Plush	6/22/20	741	2911819	10/21	7.	26.8	7.00	348	P/F	D/F
Calibr.	J	J	742	2001B53	1/22	4.	27.0	4.01	142.9	P/F	D/F
Calibr.	J	J	743	2002911	8/21	10.	27.1	9.98	203.8	P/F	D/F
ICV	J	J	744	2001B53	1/22	4.	26.9	4.01	145.8	P/F	D/F
CCV	K. Appleby	J	1445	2002911	8/21	10.0	27.4	9.92	202.8	P/F	D/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. Plush	6/22/20	749	0.00	0.00	P/F	D/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: 6/22/20 RQ#: 2020-06-22-40
 Event Name: BMAP 2 Meter ID: 5111h
 Sampling Team Members: J. Pansy / K. McDonald K. App'by
 All bacteria samples taken are surface water grab samples.

WIN Number / Site Name					WBID Number		Matrix:		Sample Type:		Weather Conditions:	
WIN ID/Field ID:  20030653					2204		Surface Fresh ☒ Surface Salt ☐		E. coli ☒ Enterococcus ☐ Fecal ☐		Sunny, 90s	
TERRAPIN CR AT FAYE ROAD					Comments:		Sample Access: Wading ☐ From Shore ☒ Dock ☐ Bridge ☐		Sample Ice Preserved in 15 minutes? Yes ☒ No ☐		Initials Sample & Preservation: <u>KA</u> Initials Documentation: <u>JP</u>	
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		
1154	0.15	0.075	22.1	129	0.06	7.00	6.6	83.0	0.955	0013		

WIN Number / Site Name					WBID Number		Matrix:		Sample Type:		Weather Conditions:	
WIN / Field ID:  20030123					2203B		Surface Fresh ☐ Surface Salt ☒		E. coli ☐ Enterococcus ☒ Fecal ☐		Sunny, 90s	
TROUT R @ DINSMORE BOAT RAMP DOCK NR US 1					Comments:		Sample Access: Wading ☐ From Shore ☒ Dock ☐ Bridge ☐		Sample Ice Preserved in 15 minutes? Yes ☒ No ☐		Initials Sample & Preservation: <u>KA</u> Initials Documentation: <u>JP</u>	
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	1.0	0.3	25.0	256	0.12	6.25	4.0	49	0.4	ebb		

WIN Number / Site Name					WBID Number		Matrix:		Sample Type:		Weather Conditions:	
WIN / Field ID:  20030897					2228B		Surface Fresh ☒ Surface Salt ☐		E. coli ☒ Enterococcus ☐ Fecal ☐		Sunny, 90s	
MONCRIEF CR @ 21ST ST					Comments:		Sample Access: Wading ☐ From Shore ☒ Dock ☐ Bridge ☐		Sample Ice Preserved in 15 minutes? Yes ☒ No ☐		Initials Sample & Preservation: <u>KA</u> Initials Documentation: <u>JP</u>	
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	0.2	0.1	26.2	494	0.24	7.20	5.35	65.8	0.25	0013		

WIN Number / Site Name					WBID Number		Matrix:		Sample Type:		Weather Conditions:	
							Surface Fresh ☐ Surface Salt ☐		E. coli ☐ Enterococcus ☐ Fecal ☐			
					Comments:		Sample Access: Wading ☐ From Shore ☐ Dock ☐ Bridge ☐		Sample Ice Preserved in 15 minutes? Yes ☐ No ☐		Initials Sample & Preservation: Initials Documentation:	
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		

 LIMs entry QAed: Brian Davis 8/19/20

All documentation meets requirements of FDEP SOP FD 1000

Florida Department of Environmental Protection Central Laboratory Submittal Form

Bmap 2

Customer: NE-DIST

Project ID: BMAP

Requester: Jeremy M. Parrish

Field Report Prepared By: Kim Appleby

Collected By: Kim Appleby + J. Parrish

Sampling Agency: FDEP NE ROL

Location	WIN ID/Field ID:		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/22/20 Time 1:55	Eastern Central	Composite end Date - Time -	Bottle Group(s) (See pg 2)
Field ID	20030653		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 6.6	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) -
WIN/STORE	TERRAPIN CR AT FAYE ROAD		Temp (C) 27.1	pH 7.00	Sample Depth 0.075	☐ ft ☒ m	Sp. Conductance (umho/cm) 129
Latitude	☐ dd ☐ dms	Longitude	Comments				
Location	WIN / Field ID:		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/22/20 Time 1220	Eastern Central	Composite end Date - Time -	Bottle Group(s)
Field ID	20030123		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 4.0	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) -
WIN/STORE	TROUT R @ DINSMORE BOAT RAMP DOCK NR US 1		Temp (C) 25.0	pH 6.25	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 256
Latitude	☐ dd ☐ dms	Longitude	Comments				
Location	WIN / Field ID:		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/22/20 Time 1300	Eastern Central	Composite end Date - Time -	Bottle Group(s)
Field ID	20030897		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 5.35	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) -
WIN/STORE	MONCRIEF CR @ 21ST ST		Temp (C) 26.2	pH 7.20	Sample Depth 0.1	☐ ft ☒ m	Sp. Conductance (umho/cm) 494
Latitude	☐ dd ☐ dms	Longitude	Comments				
Location			☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORE #			Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	Comments				

Relinquished By: Kim Appleby	Date/Time 6/22/20	Shipping Method To ALS	Number of Coolers Shipped: 1	Received By:	Date/Time
---------------------------------	----------------------	---------------------------	---------------------------------	--------------	-----------

Group: A	Bottle Type: P-250ML-WI-THI	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab	2 → to ALS
NE-ALS-ECQ					

Group: B	Bottle Type: P-250ML-WI-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1 → to ALS
NE-ALS-ENQ					

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR #

ALS Contact:

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

Page 1 of 1

[illegible]