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.

07-27-305 Crescent City BMAP

Meter ID: YSI shitch RQ- 07-29-11 Project: BMAP Crescent

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.	JParish	7/27/20	720	23.5	764	8.6	8.6	100.4	—	1.03	P / F	L / F
ICV	↓	↓	721	23.6	764	8.6	8.5	100.6	—	1.03	P / F	L / F
CCV	K. Appleby	↓	1546	24.3	762.9	~~8.3~~	~~8.30~~	99.2	→	1.03	P / F	L / F
CCV						8.4	8.32				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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	JParish	7/27/20	722	200407C	4/21	1000	1000	P / F	L / F
ICV	↓	↓	723	200407D	4/21	100	101	P / F	L / F
CCV	K. Appleby	↓	1555	191025B	11/20	20000	19158	P / F	L / F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 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.	JParish	7/27/20	724	2001C31	1/22	7.00	25.2	7.00	-35.5	P / F	L / F
Calibr.	↓	↓	725	2001B53	1/22	4.00	25.2	4.01	142.7	P / F	L / F
Calibr.			726	2002911	8/21	10.00	25.2	10.00	29.4	P / F	L / F
ICV	↓	↓	727	2001B53	1/22	4.00	25.0	4.05	138.5	P / F	L / F
CCV	K. Appleby	↓	1549	2002911	8/21	10.00	24.8	9.93	-204.8	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 ± 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	JParr	7/27/11	729	0.00	0.00	P / F	L / F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

COMMENTS:

Form effective August 1, 2018

Revision 2/24/2020

Florida DEP *North East District ROC* BMAP Field sheet

Data Pass CCV? (Yes) No

Date: 7/27/20 RQ#: 2020-07-27-12

Event Name: BMAP 2 Only Meter ID: Pro DSS Stitch

Sampling Team Members: Kim Appleby & Jeremy Parrish

All bacteria samples taken are surface water grab samples.

WIN ID/Field ID: 20030653

TERRAPIN CR AT FAYE ROAD

WBID Number	Matrix:	Sample Type:	Initials Sample & Preservation	Initials Documentation
2204	Surface Fresh ☐ Surface Salt ☐	E. coli ☒ Entero ☐ Fecal ☐		
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 ppth	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Tide Ebb/ Flood Slack

Comments and Weather:
Did not sample, no flow/not enough depth

WIN / Field ID: 20030123

TROUT R @ DINSMORE BOAT RAMP DOCK NR US 1

WBID Number	Matrix:	Sample Type:	Initials Sample & Preservation	Initials Documentation
2203B	Surface Fresh ☒ Surface Salt ☐	E. coli ☐ Entero ☒ Fecal ☐	JP	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 ppth	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Tide Ebb/ Flood Slack
1335	0.68	0.3	30.4	1791	0.90	6.70	2.62	34.9	0.5	Flood

Comments and Weather:

WIN / Field ID: 20030897

MONCRIEF CR @ 21ST ST

WBID Number	Matrix:	Sample Type:	Initials Sample & Preservation	Initials Documentation
2228B	Surface Fresh ☒ Surface Salt ☐	E. coli ☒ Entero ☐ Fecal ☐	JP	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 ppth	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Tide Ebb/ Flood Slack
1405	0.15	0.05	27.7	433.3	0.21	7.00	3.93	49.9	0.15	—

Comments and Weather:

Signature: [signature] Date: 7/27/20

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

Data QC'd in LIMs (Initials/date): Brian Davis 8/19/20 Data Migrated to WIN (Initials/date): _____

All documentation meets requirements of FDEP SOP FD 1000

Request Number: RQ-2020-07-27-12

Bmap 1

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Project ID: BMAP

Requester: Jeremy M. Parrish

Collected By: K. Appleby + J. Parrish

Field Report Prepared By: Kim Appleby

Sampling Agency: FDEP NE ROL

Location

WIN ID/Field ID: 20030653

Field ID: TERRAPIN CR AT FAYE ROAD

WIN/STC

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time | Eastern Central | Composite end Date Time | Bottle Group(s) (See pg 2): B

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm)

Salinity (ppt) | Comments: Did not sample, no flow and not enough depth

---

Location

WIN / Field ID: 20030123

Field ID: TROUT R @ DINSMORE BOAT RAMP DOCK NR US 1

WIN/STORE

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☒ Comp ☐ Grab | Collection (comp begin or grab) Date 7/27/20 Time 1335 | ~~Eastern~~ Central | Composite end Date – Time – | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen: 2.62 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L): –

Temp (C): 30.4 | pH: 6.70 | Sample Depth: 0.3 ☒ m | Sp. Conductance (umho/cm): 1791

Salinity (ppt): 0.90 | Comments:

Locat

WIN / Field ID: 20030897

Field

MONCRIEF CR @ 21ST ST

WIN/

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☒ Comp ☐ Grab | Collection (comp begin or grab) Date 7/27/20 Time 1405 | ~~Eastern~~ Central | Composite end Date – Time – | Bottle Group(s): ~~A~~ B

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen: 3.93 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L): –

Temp (C): 27.7 | pH: 7.00 | Sample Depth: 0.05 ☒ m | Sp. Conductance (umho/cm): 433.3

Salinity (ppt): 0.21 | Comments:

Location

Field ID

WIN/STORET #

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time | Eastern Central | Composite end Date Time | Bottle Group(s)

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm)

Salinity (ppt) | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Kim Appleby	7/27/20 1505	Sent to ALS	–		

Group: A	Bottle Type: NE-ALS-ENQ	P-250ML-WI-THI	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	1
Group: B	Bottle Type: NE-ALS-ECQ	P-250ML-WI-THI	# of Bottles: 7	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	1

ALS Environmental

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR #

ALS Contact

9143 Philips Highway, Suite 200. Jacksonville, FL 32256
Phone (904) 739-2277 / 800-695-7222 x06 / FAX (904) 739-2011
www.alsglobal.com

Project Name	Project Number
BMAP 2	RQ-2020-07-27-12
Report To	Report CC Jeremy Parrish
dep-overflowmicro@dep.state.fl.us	
Company/Address	
8800 Baymeadows Way W Suite 100	
[redacted]ville, FL 32256	
Phone #	FAX #
904(904)256-1700	
Sampler's Signature	Sampler's Printed Name
	[redacted] Appleby

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

Preservative Key: 0. None; 1. HCL; 2. HNO3; 3. H2SO4; 4. NaOH; 5. Zn. Acetate; 6. MeOH; 7. NaHSO4; 8. Other

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	Matrix	NUMBER OF CONTAINERS	Preservative	Enterococci	E. Coli	REMARKS
20030123		7/27/20	1335	SW	1	X			Fresh
200308[redacted]		7/27/20	1405	SW	1		X		↓

Special Instructions/Comments:

5.6

SAMPLE RECEIPT: CONDITION/COOLER TEMP:

CUSTODY SEALS: Y N

TURNAROUND REQUIREMENTS

___ RUSH (SURCHARGES APPLY)
___ STANDARD

REQUESTED FAX DATE

REQUESTED REPORT DATE

REPORT REQUIREMENTS

___ I. Results Only
___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Calibration Summaries
___ IV. Data Validation Report with Raw Data

Edata ___ Yes ___ No

INVOICE INFORMATION

P.O. # _____

Bill to: _____

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: [redacted] Appleby	Printed Name: Heather Dye-Clark	Printed Name	Printed Name	Printed Name	Printed Name
Firm: FDEP NE RoC	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 7/27/20 15[redacted]	Date/Time: 7/27/20 1510	Date/Time	Date/Time	Date/Time	Date/Time