

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: YSE SHIRL

RQ: 2020-08-17-35

Project: BMA P 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 _____

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.	Jeremy Pansh	8/18/20	826	23.6	760	8.5	8.5	100.0	-	1.035	(P) F	(L) F
ICV	L	8/18/20	827	23.4	760	8.5	8.54	100.3	-	1.035	(P) F	(L) F
CCV	Jeremy Pansh	8/18/20	1300	24.0	766	8.4	8.47	100.5	-	1.035	(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.	Jeremy Pansh	8/18/20	828	200407C	4/21	1000	1000	(P) F	(L) F
ICV	L	L	829	200407D	4/21	100	103.6	(P) F	(L) F
CCV	Jeremy Pansh	8/18/20	1302	141025A	11/20	1412	1413	(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.	Jeremy Pansh	8/18/20	831	2001031	1/22	7.	24.7	7.00	-39.3	(P) F	(L) F
Calibr.	L	L	840	2910629	10/21	4.	24.4	4.00	145.2	(P) F	(L) F
Calibr.	L	L	843	2002911	8/21	10.	24.6	10.00	209.7	(P) F	(L) F
ICV	L	L	844	2910629	10/21	4.	24.8	3.96	145.7	(P) F	(L) F
CCV	Jeremy Pansh	8/18/20	1304	2002911	8/21	10.	24.4	10.07	211.4	(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	JPansh	8/18/20	845	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: 8/18/2020

RQ#: 2020-08-17-35

Event Name: BMAP 2

Meter ID: Pro DSS Stitch

Sampling Team Members: J. Parrish, K. McDonald

All bacteria samples taken are surface water grab samples.

WIN / Field ID:



20030897

MONCRIEF CR @ 21ST ST

WBID Number

22283

Matrix:
Surface ☐
Fresh ☒
Surface Salt ☐

Sample Type:
E. coli ☒
Enterococcus ☐
Fecal ☐

Initials
Sample &
Preservation

Initials
Document-
ation

JP

KM

Sample Access:
Wading ☐ Dock ☐
From Shore ☒ Bridge ☐

Sample Ice Preserved in 15
minutes?
Yes ☒
No ☐

Time EST	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
1130	0.341	0.15	27.1	500	0.24	7.09	4.31 km	54.2	0.341	-

Comments and Weather:

Secchi VOB. oil film on water

WIN / Field ID:



20030726

MONCRIEF CR AT MONCRIEF ROAD

WBID Number

22283

Matrix:
Surface ☐
Fresh ☒
Surface Salt ☐

Sample Type:
E. coli ☒
Enterococcus ☐
Fecal ☐

Initials
Sample &
Preservation

Initials
Document-
ation

JP

KM

Sample Access:
Wading ☐ Dock ☐
From Shore ☒ Bridge ☐

Sample Ice Preserved in 15
minutes?
Yes ☒
No ☐

Time EST	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	0.33	0.16	28.3	400.4	0.19	7.08	3.41	43.6	0.33	-

Comments and Weather:

WIN ID/Field ID:



20030848

NW TRIBUTARY TO OPEN CR AT HODGES

WBID Number

22998

Matrix:
Surface ☐
Fresh ☒
Surface Salt ☐

Sample Type:
E. coli ☒
Enterococcus ☐
Fecal ☐

Initials
Sample &
Preservation

Initials
Document-
ation

JP

KM

Sample Access:
Wading ☐ Dock ☐
From Shore ☒ Bridge ☐

Sample Ice Preserved in 15
minutes?
Yes ☒
No ☐

Time EST	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
0950	0.63	0.3	27.8	378.4	0.18	6.89	5.67	72.2	0.63	-

Comments and Weather:

hot + muggy

Signature: _____ Date: _____

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

Data QC'd in LIMs (Initials/date): _____ Data Migrated to WIN (Initials/date): _____

WIN ID/Field ID:  20030653					WBID Number 2204		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation JP		Initials Documentation KM	
TERRAPIN CR AT FAYE ROAD					Sample Access: Wading ☐ Dock ☐ From Shore ☒ Bridge ☐				Sample Ice Preserved in 15 minutes? Yes ☒ No ☐					
Time EST	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				
1030	0.134	0.07	28.3	422.5	0.21	6.76	5.106	72.7	0.134					
Comments and Weather: Secchi VOB														

WIN / Field ID:  20030123					WBID Number 2203B		Matrix: Surface ☐ Fresh ☐ Surface Salt ☒		Sample Type: E. coli ☐ Enterococcus ☒ Fecal ☐		Initials Sample & Preservation JP		Initials Documentation KM	
TROUT R @ DINSMORE BOAT RAMP DOCK NR US 1					Sample Access: Wading ☐ Dock ☒ From Shore ☐ Bridge ☐				Sample Ice Preserved in 15 minutes? Yes ☒ No ☐					
Time EST	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				
1055	0.83	0.3	26.4	103.5	0.05	6.15	3.86	47.9	0.4	Ebb				
Comments and Weather:														

WIN / Field ID:  20030753					WBID Number 2203		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation JP		Initials Documentation KM	
TROUT RIVER AT OLD KINGS RD					Sample Access: Wading ☐ Dock ☐ From Shore ☒ Bridge ☐				Sample Ice Preserved in 15 minutes? Yes ☒ No ☐					
Time EST	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				
1105	1.25	0.3	25.4	77.2	0.03	6.17	5.41	65.9	0.3	-				
Comments and Weather: water high														

WIN Number / Site Name					WBID Number		Matrix: Surface ☐ Fresh ☐ Surface Salt ☐		Sample Type: E. coli ☐ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation		Initials Documentation	
					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:														

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Bmap 2

Customer: NE-DIST

Requester: Jeremy M. ParrishField Report Prepared By: K. McDonald

Project ID: BMAP

Collected By: J. Parrish + K. McDonaldSampling Agency: NEROC

Location	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>8/18/20</u> Time <u>1130</u>	<u>Eastern</u> Central	Composite end Date — Time —	Bottle Group(s) (See pg 2)
Field I WIN / Field ID:  20030897	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>	Diss. Oxygen <u>4.31</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	A
WIN/S MONCRIEF CR @ 21ST ST	Temp (C) <u>27.1</u>	pH <u>7.09</u>	Sample Depth <u>0.15</u>	Sp. Conductance (umho/cm) <u>500</u>	
Latitud ☐ dms	☐ dd ☐ dms	Salinity (ppt) <u>0.24</u>	Comments		
Location	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>8/18/20</u> Time —	<u>Eastern</u> Central	Composite end Date — Time —	Bottle Group(s)
Field WIN / Field ID:  20030726	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>	Diss. Oxygen <u>3.41</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	A
WIN/ MONCRIEF CR AT MONCRIEF ROAD	Temp (C) <u>28.3</u>	pH <u>7.08</u>	Sample Depth <u>0.16</u>	Sp. Conductance (umho/cm) <u>400.4</u>	
Latitud ☐ dms	☐ dd ☐ dms	Salinity (ppt) <u>0.19</u>	Comments		
Location	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>8/18/20</u> Time <u>0950</u>	<u>Eastern</u> Central	Composite end Date — Time —	Bottle Group(s)
Field II WIN ID/Field ID:  20030848	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>	Diss. Oxygen <u>5.67</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	A
WIN/S NW TRIBUTARY TO OPEN CR AT HODGES	Temp (C) <u>27.8</u>	pH <u>6.89</u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u>378.4</u>	
Latitud ☐ dms	☐ dd ☐ dms	Salinity (ppt) <u>0.18</u>	Comments		
Location	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>8/18/20</u> Time <u>1030</u>	<u>Eastern</u> Central	Composite end Date — Time —	Bottle Group(s)
Field WIN ID/Field ID:  20030653	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>	Diss. Oxygen <u>5.66</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	A
WIN/S TERRAPIN CR AT FAYE ROAD	Temp (C) <u>28.3</u>	pH <u>6.76</u>	Sample Depth <u>0.07</u>	Sp. Conductance (umho/cm) <u>422.5</u>	
Latitud ☐ dms	☐ dd ☐ dms	Salinity (ppt) <u>0.21</u>	Comments		

Relinquished By: <u>K. McDonald</u>	Date/Time <u>8/18/20</u>	Shipping Method —	Number of Coolers Shipped: —	Received By:	Date/Time
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* ALL samples to overflow lab *

Group: A	Bottle Type: P-250ML-WI-THI	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab
NE-ALS-ECQ				
Group: B	Bottle Type: P-250ML-WI-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
NE-ALS-ENQ				

Bmap 2

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. Parrish

Field Report Prepared By:

K McDonald

Project ID: BMAP

Collected By: J. Parrish + K. McDonald

Sampling Agency:

NEROC

Location		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 8/18/20 Time 1055		☒ Eastern ☐ Central		Composite end Date — Time —		Bottle Group(s) (See pg 2)	
Field ID		WIN / Field ID: 20030123		Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 3.86		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) —	
WIN/STORET #		TROUT R @ DINSMORE BOAT RAMP DOCK NR US 1		Temp (C) 26.4		pH 6.15		Sample Depth 0.3		Sp. Conductance (umho/cm) 103.5	
Latitude		☐ dd ☐ dms		Salinity (ppt) 0.05		Comments salt w/old w/ fresh conductivity					
Location		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 8/18/20 Time 1105		☒ Eastern ☐ Central		Composite end Date — Time —		Bottle Group(s)	
Field ID		WIN / Field ID: 20030753		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 5.41		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) —	
WIN/STORET #		TROUT RIVER AT OLD KINGS RD		Temp (C) 25.4		pH 6.17		Sample Depth 0.3		Sp. Conductance (umho/cm) 77.2	
Latitude		☐ dd ☐ dms		Salinity (ppt) 0.03		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/STORET #				Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		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/STORET #				Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		Comments	

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
K McDonald	8/18/20		1		

Group: A	Bottle Type: P-250ML-WI-THI	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>5 to ALS</u>
NE-ALS-ECQ					
Group: B	Bottle Type: P-250ML-WI-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>1 to ALS</u>
NE-ALS-ENQ					

Client Name		Project Number	
FDEP-NE ROC	RQ-2020-	08-17-35	
Report To		Report CC	
Dep-Overflowmicro@dep.state.fl.us			
Company/Address			
8800 Baymeadows Way W			
Jacksonville, Fl 32256			
Phone #		FAX #	
904-256-1700			
Sampler's Signature		Sampler's Printed Name	
Kelly McDonald		kelly mcdonald	
NUMBER OF CONTAINERS		E.Coli Enterocooli	
Preservative Key		0. None 1. HCL 2. HNO3 3. H2SO4 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO4 8. ICE	
REMARKS			
CLIENT SAMPLE ID	LAB ID	SAMPLING DATE TIME	Matrix
20030848		8/18 0950	SW
20030653		8/18 1030	SW
20030123		8/18 1055	SW
20030753		8/18 1105	SW
20030897		8/18 1130	SW
20030726		8/18 1140	SW
Special Instructions/Comments: Email Report to: Dep-Overflowmicro@dep.state.fl.us			
★ Fresh : conductivity 103.5 ; marine WBID			
TURNAROUND REQUIREMENTS			
RUSH (SURCHARGES APPLY)			
X STANDARD			
REQUESTED FAX DATE			
N/A			
REQUESTED REPORT DATE			
N/A			
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	
Signature Kelly McDonald		Signature Candice Turner	
Printed Name Kelly McDonald		Printed Name Candice Turner	
Firm NEROC DEP		Firm ACS	
Date/Time 8/18/20		Date/Time 8/18/20 12:12	