

Field Parameters Entered into LIMS: 11/3/18 (Initials/Date) Field Parameters QC in LIMS: Cm 1-25-18 (Initials/Date)
Date Migrated to STORET: _____ (Initials/Date) Field Sheets Scanned/Saved: Cm 1-25-18 (Initials/Date)

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this page

Meter ID: Bic #2

RQ: 2017-11-13-26

Project: Smp / Bortran

- 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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site _____

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification _____

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	11/14/17	658	22.05	8.74	8.74	100.0	61.4	—	P/F	L/F
ICV	Curtis Musson	11/14/17	659	22.4	8.72	8.74	100.0	61.4	—	P/F	L/F
CCV										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; 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.	Curtis Musson	11/14/17	701	17100SD	10/2018	1000	1000	P/F	L/F
ICV	Curtis Musson	11/14/17	702	17100SD	10/2018	1000	1001	P/F	L/F
CCV	Curtis Musson	11/14/17	1538	170614C	06/2018	59,000	49,155	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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	11/14/17	704	170614B	12/2018	7.0	7.00	19	P/F	L/F
Calibr.	Curtis Musson	11/14/17	706	17100SA	10/2018	4.01	4.01	194	P/F	L/F
Calibr.	Curtis Musson	11/14/17	708	170310C	9/2018	10.01	9.97	143	P/F	L/F
ICV	Curtis Musson	11/14/17	709	170310C	9/2018	10.01	9.95	142	P/F	L/F
CCV	Curtis Musson	11/14/17	1540	170614B	12/2018	7.00	7.20	12	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)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth 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	Curtis Musson	11/14/17	703	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:

DO Membrane Fell off at some point during the day. DO data removed from event CM

Form effective October 1, 2017

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Request Number: RQ-2017-11-13-26

Dickson, St. Marks

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Field Report Prepared By: FDEP
 Sampling Agency:

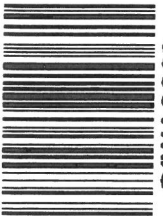
Page ____ of ____

Collected By: *Curtis Musson / Shawn Leves*

Dickson Bay North

Field ID →  **G1WA00062**

STC

Field ID →  **G1WA00062**

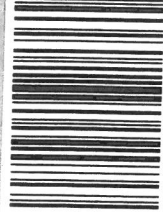
Dickson Bay North

Nov 14, 2017

Dickson Bay South

Field ID →  **G1WA00063**

STC

Field ID →  **G1WA00063**

Dickson Bay South

Nov 14, 2017

Collection (comp begin or grab)		Eastern Central		Time		Bottle Group(s)	
Comp	Date	Time	Sample Depts (m)	Sp. Conductance (umho/cm)	Sample Depts (m)	Sp. Conductance (umho/cm)	
☒ Grab	11-14-17	9:40	8.16	44735	0.3	44735	A
Matrix (Salt, Fresh)	18.87	8.28					
Temp (C)	38.98						
Salinity (ppt)							
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)					
☒ Grab	11-14-17	10:05	8.36	44682	0.3	44682	A
Matrix (Salt, Fresh)	18.15	8.34					
Temp (C)	28.94						
Salinity (ppt)							
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)					

Relinquished By: _____ Date/Time: 11-14-17 / 3:12

Number of Coolers: _____

Received By: _____

Request Number: RQ-2017-11-13-26

Dickson, St. Marks

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Field Report Prepared By: _____
Sampling Agency: FDEP

Project ID	Location
------------	----------

East River

Downstream

Fi of Boç|gy Bayou

STREET



G1WA0056

Field ID

East River
Downstream
of Boggy Bayou

Nov 14, 2017

G1WA0056 11142017

Location

Mouth of East River

STOET
→



G1WA0011

Field ID Mouth of
East River

Nov 14, 2017

G1WA0011 11142017

Location

Field ID

STORET #

Relinquished By:

Date/Time

Number of Coolers

Received By:

Date/Time

Date/Time 11-14-17/3:12

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Request Number: RQ-2017-11-13-26
 Dickson, St. Marks
 Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: FDEP
 Sampling Agency:

Page ____ of ____

Collected By: Curtis Musson / Shawn Reeves

St. Marks River STORET ↓
at Channel
Marker 22
 Field ID →
 St. Marks River at
 Channel Marker 22
 Nov 14, 2017
 G1WA00008

St. Marks River STORET ↓
at Channel
Marker 60
 Field ID →
 St. Marks River
 at Channel
 Marker 60
 Nov 14, 2017
 G1WA00055

Apalachee Bay STORET ↓
at Channel
Marker 5
 Field ID →
 Apalachee Bay at
 Channel Marker 5
 Nov 14, 2017
 G1WA00048

Collection (comp begin or grab)		Eastern Central	Date	Time	Bottle Group(s)
☐ Comp ☒ Grab	Matrix (Salt, Fresh) <u>Salt</u>		<u>11-14-17</u>	<u>13:40</u>	<u>A</u>
	Diss. Oxygen (mg/L) <u>8.67</u>				
	pH <u>8.41</u>				
	Sample Depts (m) <u>0.3</u>				
	Temp (C) <u>20.03</u>				
	Salinity (ppt) <u>20.69</u>				
Latitude (Decimal Degrees)					
Longitude (Decimal Degrees)					
☐ Comp ☒ Grab	Matrix (Salt, Fresh) <u>Salt</u>		<u>11-14-17</u>	<u>14:05</u>	<u>A/B</u>
	Diss. Oxygen (mg/L) <u>12.24</u>				
	pH <u>8.13</u>				
	Sample Depts (m) <u>8909</u>				
	Temp (C) <u>20.57</u>				
	Salinity (ppt) <u>4.94</u>				
Latitude (Decimal Degrees)					
Longitude (Decimal Degrees)					
☐ Comp ☒ Grab	Matrix (Salt, Fresh) <u>Salt</u>		<u>11-14-17</u>	<u>13:10</u>	<u>A</u>
	Diss. Oxygen (mg/L) <u>8.60</u>				
	pH <u>8.51</u>				
	Sample Depts (m) <u>0.3</u>				
	Temp (C) <u>19.33</u>				
	Salinity (ppt) <u>4.29.81</u>				
Latitude (Decimal Degrees)					
Longitude (Decimal Degrees)					

Relinquished By: Curtis Musson Date/Time: 11-14-17 / 15:12

Received By: DR Date/Time: 11-14-17 / 3:12

Number of Coolers: 3

Group: A	Bottle Type: ALKALINITY TURBIDITY W-F W-TSS	P-1L	# of Bottles: 7	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 7	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 7	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 7	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type: ENT-24-QT	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type: FCOLI-MF	P-120ML-OC	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab

Cooler Packing Worksheet for Request: RQ-2017-11-13-26

Dickson, St. Marks

Ship Cooler On: 10/30/2017

Customer/Project: WAS-SECT/SMP

Assigned To: REAVES_S

Requester: Curtis Musson

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Marine Kit

Group B: Fecal, Enterococci

Requested Analyses:

Bottle Group: A

of Sites: 7

Container ID: P-1L

Qty: 7 Preservation: ICE

Lot # 00069122

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-F

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO₃/L

Turbidity in aqueous matrices

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 7 Preservation: ICE

Lot # 1208913

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-500ML

Qty: 7 Preservation: ICE And H₂SO₄

Lot # 00068654

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH₃

W-NO₂NO₃

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

W-S-A-TP
W-TKN
W-TOC

Total Phosphorus in aqueous matrices as mg P/L
Total Kjeldahl Nitrogen in aqueous matrices
Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 7 Preservation: FILTER-ICE

Lot # 00068347

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: B

of Sites: 1

Container ID: P-250ML-WO-THI

Qty: 1 Preservation: ICE

Lot # 217042

Description:

Analysis

ENT-24-QT

Description

Enterococci by Enterolert Quanti-Tray method - non-chlorinated water systems

Container ID: P-120ML-OC

Qty: 1 Preservation: ICE

Lot # 6A20-TN

Description:

Analysis

FCOLI-MF

Description

Fecal coliforms by membrane filter method - non-chlorinated water systems

Cooler Packed By: SIR

Number of Coolers: 2

Date: 10-26-17

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☐ FedEx Bills, if applicable
- ☒ Plastic Bags
- ☐ Zip Ties

If Preservation Included:

ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2017-11-13-26