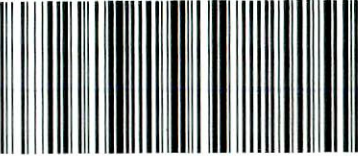
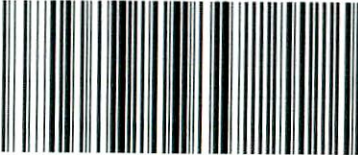
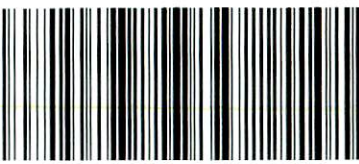
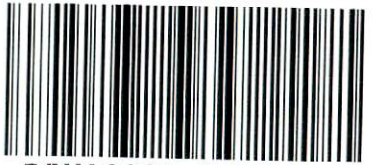


Request Number: RQ-2017-05-01-28		FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION Central Lab Sample Submittal Form				Page 1 of 4	
Wakulla, Moriah, Caney, Wards		Requester: Curtis Musson		Field Report Prepared By: <u>Raymond Stuart</u>			
Customer: WQ-ASSESS				Sampling Agency: FDEP			
Project ID: SMP		Collected By: <u>Curtis Musson Raymond Stuart</u>					
Location Field ID →  Wakulla River Below Highway 98 Bridge May 2, 2017 Wakulla River Below Highway 98 Bridge STORET ↓  G1WA0028		☐ Comp ☒ Grab Collection (comp begin or grab) <u>C</u> Date <u>5/1/17</u> Time <u>9:05</u> Matrix (Salt, Fresh) <u>(Fresh)</u> Temp (C) <u>20.69</u> Salinity (ppt) <u>0.19</u> Latitude (Decimal Degrees) <u>30.17607</u>		☒ Eastern ☐ Central Collection (comp begin or grab) Date _____ Time _____ Diss. Oxygen (mg/L) <u>6.25</u> pH <u>7.70</u> Comments _____ Longitude (Decimal Degrees) <u>-84.2429</u>		Collection (comp begin or grab) Date _____ Time _____ Sample Depts (m) <u>0.3</u> Sp. Conductance (umho/cm) <u>400</u> Bottle Group(s) <u>A</u>	
Location Field ID →  Wakulla River above US 98 May 2, 2017 Wakulla River above US 98 STORET ↓  G1WA0046		☐ Comp ☒ Grab Collection (comp begin or grab) Date <u>5/2/17</u> Time <u>9:40</u> Matrix (Salt, Fresh) <u>(Fresh)</u> Temp (C) <u>20.50</u> Salinity (ppt) <u>0.18</u> Latitude (Decimal Degrees) <u>30.17963</u>		☒ Eastern ☐ Central Collection (comp begin or grab) Date _____ Time _____ Diss. Oxygen (mg/L) <u>5.73</u> pH <u>7.66</u> Comments _____ Longitude (Decimal Degrees) <u>-84.24759</u>		Collection (comp begin or grab) Date _____ Time _____ Sample Depts (m) <u>0.3</u> Sp. Conductance (umho/cm) <u>367</u> Bottle Group(s) <u>A</u>	
Location Field ID →  Moriah Creek 100 meters upstream of Newport Rd. May 2, 2017 Moriah Creek 100 meters upstream of Newport Rd. STORET ↓  G1WA0057		☐ Comp ☒ Grab Collection (comp begin or grab) Date <u>5/2/17</u> Time <u>10:20</u> Matrix (Salt, Fresh) <u>(Fresh)</u> Temp (C) <u>19.63</u> Salinity (ppt) <u>0.22</u> Latitude (Decimal Degrees) <u>30.1857</u>		☒ Eastern ☐ Central Collection (comp begin or grab) Date _____ Time _____ Diss. Oxygen (mg/L) <u>3.96</u> pH <u>6.91</u> Comments _____ Longitude (Decimal Degrees) <u>-84.1929</u>		Collection (comp begin or grab) Date _____ Time _____ Sample Depts (m) <u>0.075</u> Sp. Conductance (umho/cm) <u>457</u> Bottle Group(s) <u>A</u>	

Relinquished By: <u>[Signature]</u>	Date/Time: <u>5/2/17 1:57pm</u>	Number of Coolers: <u>3</u>	Received By: <u>[Signature]</u>	Date/Time: <u>5-2-17/13:57</u>
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Request Number: RQ-2017-05-01-28		FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION Central Lab Sample Submittal Form				Page <u>2</u> of <u>4</u>	
Wakulla, Moriah, Caney, Wards		Requester: Curtis Musson		Field Report Prepared By: _____			
Customer: WQ-ASSESS		Sampling Agency: FDEP					
Project ID: SMP		Collected By: _____					
Location Field ID →  Caney Creek Upstream of US 90 May 2, 2017 G1WA0014_05022017 Caney Creek Upstream of US 90 STORET ↓  G1WA0014		☐ Comp ☒ Grab Collection (comp begin or grab) Date <u>5/2/17</u> Time <u>11:30</u> Matrix (Salt, <u>Fresh</u>) Temp (C) <u>20.82</u> Salinity (ppt) <u>0.06</u> Latitude (Decimal Degrees) <u>30.5325</u>		☒ Eastern ☐ Central Collection (comp begin or grab) Date _____ Time _____ Diss. Oxygen (mg/L) <u>9.95</u> pH <u>7.43</u> Comments _____ Longitude (Decimal Degrees) <u>-83.9501</u>		Collection (comp begin or grab) Date _____ Time _____ Sample Depts (m) <u>0.05</u> Sp. Conductance (umho/cm) <u>134</u> Bottle Group(s) <u>B C D E</u>	
Location Field ID →  Wards Creek upstream of bridge at CR 259 May 2, 2017 G1WA0002_05022017 Wards Creek upstream of bridge at CR 259 STORET ↓  G1WA0002		☐ Comp ☒ Grab Collection (comp begin or grab) Date <u>5/2/17</u> Time <u>12:10</u> Matrix (Salt, <u>Fresh</u>) Temp (C) <u>21.28</u> Salinity (ppt) <u>0.02</u> Latitude (Decimal Degrees) <u>30.605000</u>		☒ Eastern ☐ Central Collection (comp begin or grab) Date _____ Time _____ Diss. Oxygen (mg/L) <u>1.66</u> pH <u>5.61</u> Comments _____ Longitude (Decimal Degrees) <u>-83.893257</u>		Collection (comp begin or grab) Date _____ Time _____ Sample Depts (m) <u>0.15</u> Sp. Conductance (umho/cm) <u>54</u> Bottle Group(s) <u>C D E</u> <u>Metals Bottle</u>	
Location Field ID →  Caney Creek Downstream of 158A May 2, 2017 G1WA0060_05022017 Caney Creek Downstream of 158A STORET ↓  G1WA0060		☐ Comp ☒ Grab Collection (comp begin or grab) Date <u>5/2/17</u> Time <u>12:48</u> Matrix (Salt, <u>Fresh</u>) Temp (C) <u>21.88</u> Salinity (ppt) <u>0.06</u> Latitude (Decimal Degrees) <u>30.52</u>		☒ Eastern ☐ Central Collection (comp begin or grab) Date _____ Time _____ Diss. Oxygen (mg/L) <u>9.20</u> pH <u>6.82</u> Comments _____ Longitude (Decimal Degrees) <u>-83.94</u>		Collection (comp begin or grab) Date _____ Time _____ Sample Depts (m) <u>0.05</u> Sp. Conductance (umho/cm) <u>133</u> Bottle Group(s) <u>C D E</u> <u>no metals bottle</u>	

Relinquished By: _____	Date/Time _____	Number of Coolers _____	Received By: <u>PRB</u>	Date/Time <u>5-2-17/13:57</u>
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Group: A	Bottle Type:	P-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	4
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 4	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	4
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W						
Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	2
	W-ICP						
	W-ICPMS						

Group: B	Bottle Type: P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
W-NH3					
W-NO2NO3					
W-S-A-TP					
W-TKN					
W-TOC					
Group: B	Bottle Type: P-125ML	# of Bottles: 2	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab	2
W-PO4-F					
Group: C	Bottle Type: P-250ML-WO-THI	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	3
ECOLI-18QT					
Group: D	Bottle Type: BG-1L	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	3
W-AHERB-AA					
W-SUC-AA-R					
W-UHERB-AA					
Group: E	Bottle Type: QPCR-P-250ML	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
PCR-HF183					

Date of Request: 27-MAR-2017
 Created By: MUSSON_C On: 27-MAR-2017
 Modified By: MATTHEWS_D On: 17-APR-2017
 Customer: WQ-ASSESS
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District:
 Sampling Event: Wakulla, Moriah, Caney, Wards

Send Coolers To:

Phone: 850-245-8453
 Division Of Water Facilities, FL DEP
 2600 Blair Stone Rd.
 Tallahassee, FL 32399-2400
 Attn: curtis musson

Program Module Number:
 Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 13-APR-2017
 Biology Request Reviewed By: MATTHEWS_D On: 17-APR-2017
 Sampling Kit Required: YES Ship on: 17-APR-2017
 Sampling Kit Shipped: YES On: 24-APR-2017
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: NO
 Date to Receive Samples: 03-MAY-2017
 Received By: SHAIK_A On: 02-MAY-2017

Send Final Report To:

Division Of Water Facilities, FL DEP
 2600 Blair Stone Rd.
 Tallahassee, FL 32399-2400
 Attn: curtis musson

Report Type: Final Only
 FTP Data: NO
 QC Report: YES
 Date Log: NO
 Authorization Log: NO

Comments: Group A: Freshwater Nutrient Kit
 Group B: Freshwater Nutrient Kit With Metals
 Group C: E. coli
 Group D: Organics (Wastewater Tracers)
 Group E: PCR HF183

Packing Notes:
 No FedEx labels needed, samples will be dropped off

Bottle Group A (Water) With 4 Samples:

Bottle Type: P-1L	Number of Bottles: 4	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
Bottle Type: BP-1L	Number of Bottles: 4	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 4	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 4	Preserved With: ICE-FLTR
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group B (Water) With 2 Samples:

Bottle Group B (Water) With 2 Samples:

Bottle Type: P-1L	Number of Bottles: 2	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO ₃ /L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO ₄ -IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
Bottle Type: BP-1L	Number of Bottles: 2	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: HNO ₃
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Calcium		
Chromium		
Iron		
Magnesium		
Nickel		
Potassium		
Sodium		
Zinc		
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Arsenic		
Cadmium		
Copper		
Lead		
Silver		

Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: ICE And H ₂ SO ₄
W-NH ₃	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO ₂ NO ₃	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 2	Preserved With: ICE-FLTR
W-PO ₄ -F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group C (Water) With 3 Samples:

Bottle Type:	Number of Bottles: 3	Preserved With: ICE
ECOLI-18QT	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Bottle Group D (Water) With 3 Samples:

Bottle Type: BG-1L	Number of Bottles: 3	Preserved With: ICE
W-AHERB-AA	Template: DEFAULT	(USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS
W-SUC-AA-R	Template: DEFAULT	(EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS
W-UHERB-AA	Template: DEFAULT	(USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Bottle Group E (Water) With 3 Samples:

Bottle Type: QPCR-P-250ML	Number of Bottles: 6	Preserved With: ICE
PCR-HF183	Template: DEFAULT	(SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.

Log-in Checklist

RQ-2017-05-01-28

Shipping Method: H D

Date/Time of Receipt: 5-2-17/13:57

Cooler ID	Cooler Temperature*	No. Sample Containers in Cooler	Evidence Tape				Tracking # (fill out only if waybill copy is damaged)
			Present?		*Intact?		
			Yes	No	Yes	No	
Red	1.1C	14		/			
Red	2.9C	8		/			
Red	1.8C	12		/			

*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

****Note:** If "No" is checked in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an NCR.

**Chain of Custody/ Field Sheet(s) Included? Yes / No /

CONTAINER CHECK

**Evidence Tape on Bottles? Yes / No / If yes, is it intact? Yes / No /

**Caps on tight? Yes / No / **Containers intact? Yes / No /

**Sufficient Sample Volume: Yes / No /

CHLORINE CHECK (Blue dot on container)

Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required.							
Analysis	Yes	No	Analysis	Yes	No	Analysis	Yes
W-1,4 DIOX			W-PC-AA-SF				
W-AHERB-AA (-AHB-AA-R)			W-PCL-SQ (-R)				
W-BNA (-625, -R)			W-PDQUAT				
W-CARB-AA (-CAB-AA-R)			W-PESTNP-R				
W-ENDO-AA			W-PSCL-TQ				
W-GLYPH			W-PSNP-TQ				
W-NP-AA-SF			W-PST-CL-R				
W-PAH (-R)			W-TR-TQ				
W-PCB-R			W-CT-CI-R				

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

**Acid Preserved Samples: pH ≤ 2.0? Yes / No / NA / Init: ABG

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes / No / NA / Init: /

Coolers Unpacked/Checked by: ABG Date: 5-2-17 NCRs (Y/N)? /

Event ID: Wakulla, Moriah, Caney, Wards NCR # /

WQ-ASSESS-2017-05-02-01 (SMP)
Date Received: 02-MAY-2017 13:57

Log-in Checklist

Samples with Incorrect pH Preservation or presence of Chlorine

Field ID	Bottle Test ID(s)	pH / Cl	Action Taken

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Field ID	Bottle Test ID(s)

Bottles Not Intact

Field ID	Bottle Test ID(s)	Loose Cap	Damaged Cap CK BR	Damaged Container CK BR	Evidence Tape Not Intact

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes_____ No_____

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes_____ No_____

If no, were samples shipped on dry ice? Yes_____ No_____

FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF; W-HG-AF-F):

Samples preserved within 48 hours? Yes_____ No_____

Date and time samples preserved: _____

Additional Comments: