FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Request Number: RQ-2017-06-05-45 | Page 1 of 4

EVENT: Pine Hill, Tallavanna Lakes | Requester: Curtis Musson | Field Report Prepared By: Curtis Musson

Customer: WQ-ASSESS | Sampling Agency: FDEP

Project ID: SMP | Collected By: _____

Lake Arrowhead at Boat Dock At Turtle Crk Ln Near Outlet STORET G1WA0004

Field ID: Lake Arrowhead at boat dock at Turtle Crk Ln near outlet July 25, 2017 G1WA0004_07252017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7/25/17 Time 8:17 (Eastern / Central)
Collection (comp begin or grab) Date / Time /	Bottle Group(s): A
Matrix (~~Salt~~, Fresh): Fresh	Diss. Oxygen (mg/L): 7.68
Temp (C): 30.11	pH: 7.42
Sample Depts (m): 0.3	Sp. Conductance (umho/cm): 73
Salinity (ppt): 0.03	Comments: LVI
Latitude (Decimal Degrees): 11:15	Longitude (Decimal Degrees):

Pine Hill Lake Middle STORET G1WA0054

Field ID: Pine Hill Lake Middle July 25, 2017 G1WA0054_07252017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7/25/17 Time ~~12:56~~ cm (~~Eastern~~ / ~~Central~~)
Collection (comp begin or grab) Date / Time /	Bottle Group(s): A
Matrix (~~Salt~~, Fresh): Fresh	Diss. Oxygen (mg/L): ~~7.35~~ cm 8.45
Temp (C): ~~31.55~~ cm 31.18	pH: ~~6.97~~ cm 7.45
Sample Depts (m): 0.3	Sp. Conductance (umho/cm): ~~61~~ cm
Salinity (ppt): ~~0.03~~ cm 0.02	Comments: LVI
Latitude (Decimal Degrees):	Longitude (Decimal Degrees):

Petty Gulf lake Middle STORET G1WA0022

Field ID: Petty Gulf Lake Middle July 25, 2017 G1WA0022_07252017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7/25/17 Time 12:56 (~~Eastern~~ / ~~Central~~)
Collection (comp begin or grab) Date / Time /	Bottle Group(s): A
Matrix (~~Salt~~, Fresh): Fresh	Diss. Oxygen (mg/L): 7.35
Temp (C): 31.55	pH: 6.97
Sample Depts (m): 0.3	Sp. Conductance (umho/cm): 61
Salinity (ppt): 0.03	Comments: LVI
Latitude (Decimal Degrees):	Longitude (Decimal Degrees):

Relinquished By:	Date/Time	Number of Coolers	Received By:	Date/Time
Curtis Musson	7/25/17 / 353 PM	3	SR	7-25-17 / 3:55

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Central Lab Sample Submittal Form

Request Number: RQ-2017-06-05-45
SMP
Customer: WQ-ASSESS
Project ID: SMP

Requester: Curtis Musson
Collected By: _____

Field Report Prepared By: Curtis Mussen
Sampling Agency: FDEP

Location

STORET ↓
Tallavanna Lake Middle
Q1WA0045

Field ID

Field ID →
Tallavanna Lake Middle
July 25, 2017
Q1WA0045_07252017

STORET #

☐ Comp
☑ Grab

Collection (comp begin or grab) Date 7/25/17 Time 1436 Eastern / Central

Collection (comp begin or grab) Date / Time /

Bottle Group(s): A, B, C, D

Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)		
Fresh	10.92		
Temp (C)	**pH**	**Sample Depts (m)**	**Sp. Conductance (umho/cm)**
31.92	8.75	0.3	260
Salinity (ppt)	**Comments**		
0.12			
Latitude (Decimal Degrees)		**Longitude (Decimal Degrees)**	

Location

Field ID

STORET #

☐ Comp
☐ Grab

Collection (comp begin or grab) Date Time Eastern / Central

Collection (comp begin or grab) Date Time

Bottle Group(s)

Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)		
Temp (C)	**pH**	**Sample Depts (m)**	**Sp. Conductance (umho/cm)**
Salinity (ppt)	**Comments**		
Latitude (Decimal Degrees)		**Longitude (Decimal Degrees)**	

Location

Field ID

STORET #

☐ Comp
☐ Grab

Collection (comp begin or grab) Date Time Eastern / Central

Collection (comp begin or grab) Date Time

Bottle Group(s)

Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)		
Temp (C)	**pH**	**Sample Depts (m)**	**Sp. Conductance (umho/cm)**
Salinity (ppt)	**Comments**		
Latitude (Decimal Degrees)		**Longitude (Decimal Degrees)**	

Relinquished By:	Date/Time	Number of Coolers	Received By:	Date/Time
			SR	7-25-17 / 3:55

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:	BG-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	W-AHERB-AA W-GLYPH W-PYR-AA-R W-SUC-AA-R W-UHERB-AA						
Group: B	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	W-CT-CI-R W-PCL-SQ-R						
Group: B	Bottle Type:	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	W-PSNP-TQ						
Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP W-ICPMS						

Group: D Bottle Type: P-250ML-WO-THI # of Bottles: 1 Preservative: ICE **Enter Number of Bottles Sent to Lab** 1

ECOLI-18QT

RQ-2017-06-05-45

Date of Request: 15-MAY-2017
Created By: MUSSON_C On: 15-MAY-2017
Modified By: WATTS_J On: 06-JUN-2017
Customer: WQAP
Project: SMP
Division: Division of Environmental Assessment and Restoration
District:
Sampling Event: Pine Hill, Tallavanna Lakes

Send Coolers To:

Phone: 850-245-8453
2600 Blair Stone Rd
MS #3525
Tallahassee, FL 32399-2400
Attn: Curtis Musson

Send Final Report To:

2600 Blair Stone Rd
MS #3525
Tallahassee, FL 32399-2400
Attn: Curtis Musson

Program Module Number:
Priority: 3
Event Status: S
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 17-MAY-2017
Biology Request Reviewed By: SWANSON_C On: 17-MAY-2017
Sampling Kit Required: YES Ship on: 29-MAY-2017
Sampling Kit Shipped: YES On: 30-MAY-2017
Sampling Kit Packed By: REYNOLDS_T
Preservatives Needed: NO
Date to Receive Samples: 19-JUN-2017
Received By:

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

Comments:

Group A: Freshwater Kit
Group B: Organics (Pesticides)
Group C: Metals
Group D: Bacteria (E. Coli)

Packing notes:
4 - Liters of DI water for a Group A Blank

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 Color (true)	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
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:	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin 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 1 Samples:

Bottle Type: BG-1L Number of Bottles: 2 Preserved With: ICE

Bottle Group B (Water) With 1 Samples:

Bottle Type: BG-1L Number of Bottles: 2 Preserved With: ICE

W-AHERB-AA	Template:	(USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS
W-GLYPH	Template: DEFAULT	(EPA 8321B) Glyphosate in water matrices by HPLC/MS/MS
W-PYR-AA-R	Template: DEFAULT	(EPA 8321B) Pyraclostrobin 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 Type: BG-500ML Number of Bottles: 4 Preserved With: ICE

W-CT-CI-R	Template: DEFAULT	(EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization
W-PCL-SQ-R	Template: DEFAULT	(EPA 8270D) Organochlorine pesticides in water matrices by GC/MS-SIM

Bottle Type: BG-1L Number of Bottles: 4 Preserved With: ICE

W-PSNP-TQ	Template: DEFAULT	(EPA 8270D) Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS

Bottle Group C (Water) With 1 Samples:

Bottle Type: P-500ML Number of Bottles: 1 Preserved With: HNO3

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 Group D (Water) With 1 Samples:

Bottle Type: Number of Bottles: 1 Preserved With: ICE

ECOLI-18QT	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

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

Log-in Checklist

RQ-2016-06-05-45

Shipping Method: HD

Date/Time of Receipt: 07/25/17@3:55pm

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	
Blue	3.7°C	7		✓			
Red	2.6°C	12		✓			
Red	3.8°C	9		✓			

*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
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: SK

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes____ No____ NA ✓ Init: JK

Coolers Unpacked/Checked by: JK **Date:** 07/25/17 **NCRs (Y/N)?** N

Event ID: WQAP-2017-07-025-06 **NCR #** _____

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

Cooler ID	Field ID	Bottle Test ID(s)

Bottles Not Intact

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

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: