Request Number: RQ-2016-09-26-22

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Apr 7, 2016

Killearn Chain of Lakes Outlet, Alford Arm Tributary and Soapstone Branch

Customer: WQAP

Project ID: SMP

Requester: Benjamin Ralys

Collected By: Paul Blair / Curtis Musson

Field Report Prepared By: Paul Blair

Sampling Agency: FDEP/21FLWQA

Location: Killearn Chain of Lakes Outlet @ Velda Dairy Rd
Field ID: G1WA0015 - 09262016
STORET #: G1WA0015
Latitude: 30.53735 ☑ dd ☐ dms **Longitude:** -84.22847 ☑ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 9-26-16 Time 8:40 Eastern Central | Composite end Date Time | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc): | Diss. Oxygen 5.7 ☐ mg/L 68.1 ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 24.2 | pH 6.69 | Sample Depth 0.1 ☐ ft ☑ m | Sp. Conductance (umho/cm) 70

Salinity (ppt) 0.03 | Comments

Location: Lake Arrowhead @ boat dock @ Turtle Creek
Field ID: G1WA0004 - 09262016
STORET #: G1WA0004
Latitude: 30.568517 ☑ dd ☐ dms **Longitude:** -84.218058 ☑ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 9-26-16 Time 9:10 Eastern Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): | Diss. Oxygen 6.55 ☐ mg/L 84.5 ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 28.6 | pH 7.01 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 68

Salinity (ppt) 0.03 | Comments

Location: Munson Slough @ CR2204
Field ID: G1WA0035 - 09262016
STORET #: G1WA0035
Latitude: 30.3243 ☑ dd ☐ dms **Longitude:** -84.302 ☑ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 9-26-16 Time 11:15 Eastern Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): | Diss. Oxygen 2.97 ☐ mg/L 37.2% ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 26.97 | pH 6.62 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 63

Salinity (ppt) | Comments: SC1 not on same RQ

Location: Eight Mile Pond
Field ID: G1WA0024 09262016
STORET #: G1WA0024
Latitude: ☐ dd ☐ dms **Longitude:** ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 9/26/16 Time 10:15 Eastern Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 2.86 ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 26.5 | pH 6.62 | Sample Depth 0.3 ☐ ft ☐ m | Sp. Conductance (umho/cm) 63

Salinity (ppt) 0.03 | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Blair / Musson	9-26-16 12:08	Hand delivered	2		9-26-16 / 12:08

Group: A	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-TDS W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab**	
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 3	Preservative:	ICE-FLTR	**Enter Number of Bottles Sent to Lab**	
	W-PO4-F						
Group: B	Bottle Type:	PT-50ML	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	
	ALGAL_ID						

Group C MI-FW-OLDC

Sent to LAB 2

RQ-2016-09-26-22

Date of Request: 07-SEP-2016
Created By: RALYS_B On: 07-SEP-2016
Modified By: MATTHEWS_D On: 08-SEP-2016
Customer: WQAP
Project: SMP
Division:
District:
Sampling Event: Killearn Chain of Lakes Outlet, Alford Arm Tributary and Soapstone Branch

Send Coolers To:

Phone: 850-245-8443
2600 Blair Stone Rd
MS #3560
Tallahassee, FL 32399-2400
Attn: Benjamin Ralys

Send Final Report To:

2600 Blair Stone Rd
MS #3560
Tallahassee, FL 32399-2400
Attn: Katrina Sanders

Program Module Number:
Priority: 3
Event Status: R
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 08-SEP-2016
Biology Request Reviewed By: MATTHEWS_D On: 08-SEP-2016
Sampling Kit Required: YES Ship on: 19-SEP-2016
Sampling Kit Shipped: YES On: 19-SEP-2016
Sampling Kit Packed By: KITCHEN_S
Preservatives Needed: NO
Date to Receive Samples: 26-SEP-2016
Received By: SHAIK_A On: 26-SEP-2016

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

Comments: Bottle Group A: Freshwater kits no metals
Bottle Group B: Algal ID

Bottle Group A (Water) With 3 Samples:

Bottle Type: P-1L	Number of Bottles: 3	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-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: 3	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: 3	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: 3	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 (Biological) With 1 Samples:

Bottle Type: PT-50ML	Number of Bottles: 1	Preserved With: ICE	
ALGAL_ID	Template: DEFAULT	(SOP-AB05) Qualitative assessment of algal taxa present without counts	

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

RQ-2016-09-26-22 **Log-in Checklist**

Shipping Method: H D Date/Time of Receipt: 09-26-16, 12:08

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	5-1C	4		✓			
BLUE	4.9C	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
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					

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

**Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No____ NA_____ Init: RSD

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

Coolers Unpacked/Checked by: RSD **Date:** 9-26-16 **NCRs (Y/N)?** N

Event ID: Killearn Chain of Lakes Outlet, Al
WQAP-2016-09-26-01 (SMP)
Date Received: 26-SEP-2016 12:08

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: