

SMP: Highlands Lakes

Central Laboratory Submittal Form

last revised Nov 10, 2015

Customer: SO-DIST

Requester: Benjamin Paswater

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

RQ-2016-04-04-20		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 4.26.16 Time 9:37		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s) (See pg 2)	
1758G Lake Pythias @ Middle		G4HL042016-A Field ID STORET G4SD0138		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 112.2		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L) N/A	
Temp (C) 24.90		pH 6.61		Sample Depth 0.5		☒ ft ☐ m		Sp. Conductance (umho/cm) not cal			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) N/A		Comments					
RQ-2016-04-04-20		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 4.26.16 Time 9:23		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
1758G Lake Pythias @ North Side		G4HL042016-B Field ID STORET G4SD0139		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 110.8		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L) N/A	
Temp (C) 24.79		pH 6.74		Sample Depth 0.5		☒ ft ☐ m		Sp. Conductance (umho/cm) not cal			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) N/A		Comments					
RQ-2016-04-04-20		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 4.26.16 Time 9:45		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
1758G Lake Pythias @ West Side		G4HL042016-C Field ID STORET G4SD0140		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 112.3		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L) N/A	
Temp (C) 25.05		pH 6.52		Sample Depth 0.5		☒ ft ☐ m		Sp. Conductance (umho/cm) not cal			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) N/A		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)			
STORET #		Temp (C)		pH		Sample Depth		☐ ft ☐ m		Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		Comments					

Relinquished By Ded	Date/Time 4.26.16/1400	Shipping Method Fed Ex	Received By APR	Date/Time 4-27-16	Relinquished By	Date/Time	Received By	Date/Time
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09.25

Group: A Bottle Type: P-1L # of Bottles: 11 Preservative: ICE Enter Number of Bottles Sent to Lab _____

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Group: A Bottle Type: P-1L # of Bottles: 11 Preservative: ICE Enter Number of Bottles Sent to Lab _____

BOD-UNIN

Group: A Bottle Type: BP-1L # of Bottles: 11 Preservative: ICE Enter Number of Bottles Sent to Lab _____

CHLSUITE-W

Group: A Bottle Type: P-500ML # of Bottles: 11 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: 11 Preservative: ICE-PLTR Enter Number of Bottles Sent to Lab _____

W-RO4-P

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Central Laboratory Submittal Form

last revised Nov 10, 2015

Customer: SO-DIST

Requester: Benjamin Paswater

Field Report Prepared By: Clell Ford

Project ID: SMP

Collected By: Clell FordSampling Agency: Highlands County

RQ-2016-04-04-20		☐ Comp ☒ Grab		Collection (comp begin or grab) Date <u>4-26-16</u> Time <u>9:56</u>		☒ Eastern ☐ Central		Composite end Date _____ Time _____		Bottle Group(s) (See pg 2)	
1758G Lake Pythias @ South Side		G4HL042016-D Field ID STORET G4SD0141		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>114.4</u>		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L) <u>N/A</u>	
Temp (C) <u>25.15</u>		pH <u>6.51</u>		Sample Depth <u>0.5</u>		☒ ft ☐ m		Sp. Conductance (umho/cm) <u>not cal</u>			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) <u>N/A</u>		Comments					
RQ-2016-04-04-20		☐ Comp ☒ Grab		Collection (comp begin or grab) Date <u>4-26-16</u> Time <u>9:15</u>		☒ Eastern ☐ Central		Composite end Date _____ Time _____		Bottle Group(s)	
1758G Lake Pythias @ East Side		G4HL042016-E Field ID STORET G4SD0142		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>111.2</u>		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L) <u>N/A</u>	
Temp (C) <u>24.84</u>		pH <u>6.92</u>		Sample Depth <u>0.5</u>		☒ ft ☐ m		Sp. Conductance (umho/cm) <u>not cal</u>			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) <u>N/A</u>		Comments					
RQ-2016-04-04-20		☐ Comp ☒ Grab		Collection (comp begin or grab) Date <u>4-26-16</u> Time <u>12:40</u>		☒ Eastern ☐ Central		Composite end Date _____ Time _____		Bottle Group(s)	
1938 E Persimmon Lake Center		G4HL042016-L Field ID STORET * 26010303		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>138.4</u>		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L) <u>N/A</u>	
Temp (C) <u>28.10</u>		pH <u>8.61</u>		Sample Depth <u>0.5</u>		☒ ft ☐ m		Sp. Conductance (umho/cm) <u>not cal</u>			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) <u>N/A</u>		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)	
STORET #				Temp (C)		pH		Sample Depth		☐ ft ☐ m	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		Comments	

Relinquished By: <u>[Signature]</u>	Date/Time: <u>4-26-16/1400</u>	Shipping Method: <u>FedEx</u>	Received By: <u>[Signature]</u>	Date/Time: <u>4-27-16/09:25</u>	Relinquished By:	Date/Time:	Received By:	Date/Time:
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Group: A	Bottle Type: P-1L	# of Bottles: 11	Preservative: ICE	Enter Number of Bottles Sent to Lab
ALKALINITY				
TURBIDITY				
W-CL-IC				
W-COLOR				
W-F				
W-SO4-IC				
W-TDS				
W-TSS				

Group: A	Bottle Type: P-1L	# of Bottles: 11	Preservative: ICE	Enter Number of Bottles Sent to Lab
BOD-UNIN				

Group: A	Bottle Type: BP-1L	# of Bottles: 11	Preservative: ICE	Enter Number of Bottles Sent to Lab
CHL SUITE-W				

Group: A	Bottle Type: P-500ML	# of Bottles: 11	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: 11	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab
W-PO4-F				

Date of Request: 25-FEB-2016
 Created By: PASWATER_B On: 25-FEB-2016
 Modified By: WATTS_J On: 16-MAR-2016
 Customer: SO-DIST
 Project: SMP
 Division: Not Applicable
 District: South District
 Sampling Event: SMP: Highlands Lakes

Send Coolers To:

Phone: (863) 402-6545
 4344 George Blvd.

 Sebring, FL 33875
 Attn: Clell Ford

Program Module Number:
 Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 16-MAR-2016
 Biology Request Reviewed By: SWANSON_C On: 04-MAR-2016
 Sampling Kit Required: YES Ship on: 23-MAR-2016
 Sampling Kit Shipped: YES On: 21-MAR-2016
 Sampling Kit Packed By: KITCHEN_S
 Preservatives Needed: YES
 Date to Receive Samples: 04-APR-2016
 Received By: SHAIK_A On: 27-APR-2016

Send Final Report To:

FLDEP South District Office
 2295 Victoria Ave. Suite 364
 Fort Myers, FL 33901
 Attn: Ben Paswater

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

Comments: SMP: Highlands Lakes
 Pearl
 Hill
 Persimmon

1 - Case of Sulfuric Acid

Bottle Group A (Water) With 11 Samples:

Bottle Type: P-1L	Number of Bottles: 11	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: P-1L	Number of Bottles: 11	Preserved With: ICE
BOD-UNIN	Template: DEFAULT	(SM 5210 B) BOD, NOT nitrogen-inhibited
Bottle Type: BP-1L	Number of Bottles: 11	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: 11	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: 11	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

Log-in Checklist

RQ-2016-04-04-20

Shipping Method: Fed Exp.

Date/Time of Receipt: 04-27-16/925

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	1.3C	12		/			
Red	2.7C	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: [Signature]

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes ☐ No ☒ NA ☐ Init: [Signature]

Coolers Unpacked/Checked by: [Signature] Date: 4-27-16 NCRs (Y/N)? [Signature]

SMP: Highlands Lakes
Event ID: SD-DIST-2016-04-27-02 (SMP) NCR #

Date Received: 27-APR-2016 09:25

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_____

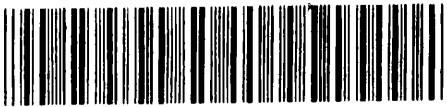
FOR CLEAN LAB USE ONLY – Methyl Mercury Preservation Check:

Samples Preserved within 48 hours? Yes_____ No_____

Date and time samples preserved: _____

Additional Comments:

Express Package US Airbill
 FedEx Tracking Number: 8094 7803 1360
 m 4-26-16
 der's name: Clell Ford Phone: 863 402-6545
 company: Highlands County Bo CC
 address: 4344 George Blvd
 Sebring State FL ZIP 33875
 Internal Billing Reference

recipient's name: SAMPLE RECEIVING Phone: 850 245-8085
 company: FLORIDA DEP/CHEMISTRY SECTION
 address: 2600 BLAIRSTONE RD.
 cannot deliver to P.O. boxes or P.O. ZIP codes.
 Dept./Floor/Suite/Room
 address: TALLAHASSEE State FL ZIP 32399
 0121555852

 8094 7803 1360

Form ID No. 0215
4 Express Package Service * To most locations. Packages up to 150 lbs. For packages over 150 lbs., use the FedEx Express Freight US Airbill.

Next Business Day ☐ FedEx First Overnight Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected. ☒ FedEx Priority Overnight Next business morning. Friday shipments will be delivered on Monday unless Saturday Delivery is selected. ☐ FedEx Standard Overnight Next business afternoon. Saturday Delivery NOT available.	2 or 3 Business Days ☐ FedEx 2Day A.M. Second business morning. Saturday Delivery NOT available. ☐ FedEx 2Day Second business afternoon. Thursday shipments will be delivered on Monday unless Saturday Delivery is selected. ☐ FedEx Express Saver Third business day. Saturday Delivery NOT available.
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5 Packaging * Declared value limit \$500
☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.
☐ Saturday Delivery
 NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
☐ No Signature Required
 Package may be left without obtaining a signature for delivery.
☐ Direct Signature
 Someone at recipient's address may sign for delivery.
☐ Indirect Signature
 If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only.
Does this shipment contain dangerous goods?
 One box must be checked.
☐ No ☐ Yes As per attached Shipper's Declaration ☐ Yes Shipper's Declaration not required.
☐ Dry Ice
 Dry Ice, 3, UN 1845 _____ kg
 Restrictions apply for dangerous goods — see the current FedEx Service Guide. ☐ Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below. Obtain recip Acct. No. ☐
☐ Sender Acct. No. in Section I will be billed. ☒ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check
 Total Packages 1 Total Weight 72 lbs.
 Credit Card Auth. 611
 *Our liability is limited to US\$100 unless you declare a higher value. See the current FedEx Service Guide for details.
 New Date 5/15 • Part #163-34 • ©1994-2015 FedEx • PRINTED IN U.S.A. SRM

Express Package US Airbill
 FedEx Tracking Number: 8094 7803 1338
 n 4-26-16
 der's name: Clell Ford Phone: 863 402-6545
 company: Highlands County Bo CC
 address: 4344 George Blvd
 Sebring State FL ZIP 33875
 Internal Billing Reference

recipient's name: SAMPLE RECEIVING Phone: 850 245-8085
 company: FLORIDA DEP/CHEMISTRY SECTION
 address: 2600 BLAIRSTONE RD
 cannot deliver to P.O. boxes or P.O. ZIP codes.
 Dept./Floor/Suite/Room
 address: TALLAHASSEE State FL ZIP 32399
 0121555852

 8094 7803 1338

Form ID No. 0215
4 Express Package Service * To most locations. Packages up to 150 lbs. For packages over 150 lbs., use the FedEx Express Freight US Airbill.

Next Business Day ☐ FedEx First Overnight Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected. ☒ FedEx Priority Overnight Next business morning. Friday shipments will be delivered on Monday unless Saturday Delivery is selected. ☐ FedEx Standard Overnight Next business afternoon. Saturday Delivery NOT available.	2 or 3 Business Days ☐ FedEx 2Day A.M. Second business morning. Saturday Delivery NOT available. ☐ FedEx 2Day Second business afternoon. Thursday shipments will be delivered on Monday unless Saturday Delivery is selected. ☐ FedEx Express Saver Third business day. Saturday Delivery NOT available.
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5 Packaging * Declared value limit \$500
☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.
☐ Saturday Delivery
 NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
☐ No Signature Required
 Package may be left without obtaining a signature for delivery.
☐ Direct Signature
 Someone at recipient's address may sign for delivery.
☐ Indirect Signature
 If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only.
Does this shipment contain dangerous goods?
 One box must be checked.
☐ No ☐ Yes As per attached Shipper's Declaration ☐ Yes Shipper's Declaration not required.
☐ Dry Ice
 Dry Ice, 3, UN 1845 _____ kg
 Restrictions apply for dangerous goods — see the current FedEx Service Guide. ☐ Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below. Obtain recip Acct. No. ☐
☐ Sender Acct. No. in Section I will be billed. ☒ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check
 Total Packages 1 Total Weight 60 lbs.
 Credit Card Auth. 611
 *Our liability is limited to US\$100 unless you declare a higher value. See the current FedEx Service Guide for details.
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