

SMP: Highlands Lakes

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

Location <u>Lake Henry NBID 1938</u>	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>17 Feb 16</u> Time <u>1120</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)
Field ID <u>Lake Henry @ Middle</u>	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>	Diss. Oxygen <u>8.37</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) <u>N/A</u>	<u>A</u>
STORET # <u>26010649 FTM</u>	Temp (C) <u>18.35</u> <u>20.68</u>	pH <u>7.24</u>	Sample Depth <u>0.5</u>	Sp. Conductance (umho/cm) <u>out of cal</u>	
Latitude <u>27.32336</u>	☒ dd ☐ dms	Longitude <u>-81.383529</u>	☒ dd ☐ dms	Salinity (ppt) <u>N/A</u>	Comments
Location <u>Lake Henry NBID 1938</u>	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>17 Feb 16</u> Time <u>1130</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID <u>Lake Henry @ SE corner</u>	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>	Diss. Oxygen <u>8.02</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) <u>N/A</u>	<u>A</u>
STORET # <u>G4SD0118</u>	Temp (C) <u>19.05</u>	pH <u>6.93</u>	Sample Depth <u>0.5</u>	Sp. Conductance (umho/cm) <u>out of cal</u>	
Latitude <u>27.321115</u>	☒ dd ☐ dms	Longitude <u>-81.380282</u>	☒ dd ☐ dms	Salinity (ppt) <u>N/A</u>	Comments
Location <u>Lake Henry NBID 1938</u>	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>17 Feb 16</u> Time <u>1143</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID <u>Lake Henry @ East side</u>	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>	Diss. Oxygen <u>8.50</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) <u>N/A</u>	<u>A</u>
STORET # <u>G4SD0119</u>	Temp (C) <u>18.97</u>	pH <u>6.99</u>	Sample Depth <u>0.5</u>	Sp. Conductance (umho/cm) <u>out of cal</u>	
Latitude <u>27.323221</u>	☒ dd ☐ dms	Longitude <u>-81.381098</u>	☒ dd ☐ dms	Salinity (ppt) <u>N/A</u>	Comments
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____	<u>Eastern</u> 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: <u>[Signature]</u>	Date/Time <u>17 Feb 16 / 14:00</u>	Shipping Method <u>fed Ex</u>	Received By: <u>[Signature]</u>	Date/Time <u>02-18-16</u> <u>0900</u>	Relinquished By:	Date/Time	Received By:	Date/Time
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Group: A	Bottle Type: P-1L	# of Bottles: 16	Preservative: ICE	Enter Number of Bottles Sent to Lab	3
ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS					
Group: A	Bottle Type: P-1L	# of Bottles: 16	Preservative: ICE	Enter Number of Bottles Sent to Lab	3
BOD-UNIN					
Group: A	Bottle Type: BP-1L	# of Bottles: 16	Preservative: ICE	Enter Number of Bottles Sent to Lab	3
CHL SUITE-W					
Group: A	Bottle Type: P-500ML	# of Bottles: 16	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	3
W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: A	Bottle Type: P-125ML	# of Bottles: 16	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab	3
W-PO4-F					

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Customer: SO-DIST

Requester: Benjamin Paswater

Field Report Prepared By: Clell Ford

Project ID: SMP

Collected By: Clell Ford

Sampling Agency: Highlands County

Location Lake Henry WBID 1938	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 17 Feb 16 Time 12:15	<u>Eastern</u> Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID Lake Henry @ SW side	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 8.49	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) N/A	A
STORET # G45D0120	Temp (C) 18.82	pH 6.94	Sample Depth 0.5	Sp. Conductance (umho/cm) out of cal	
Latitude 27.321838 ☒ dd ☐ dms	Longitude -81.38520 ☒ dd ☐ dms	Salinity (ppt) N/A	Comments		
Location Lake Henry WBID 1938	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 17 Feb 16 Time 12:00	<u>Eastern</u> Central	Composite end Date Time	Bottle Group(s)
Field ID Lake Henry @ Northside	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 7.71	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) N/A	A
STORET # G45D0121	Temp (C) 17.82	pH 6.87	Sample Depth 0.5	Sp. Conductance (umho/cm) out of cal	
Latitude 27.326422 ☒ dd ☐ dms	Longitude -81.384473 ☒ dd ☐ dms	Salinity (ppt) N/A	Comments		
Location Persimmon Lake WBID 1938E	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 17 Feb 16 Time 13:00	<u>Eastern</u> Central	Composite end Date Time	Bottle Group(s)
Field ID Persimmon Lake Center	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 7.66	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) N/A	A
STORET # 26010303	Temp (C) 19.62	pH 7.08	Sample Depth 0.5	Sp. Conductance (umho/cm) out of cal	
Latitude 27.35501 ☒ dd ☐ dms	Longitude -81.40625 ☒ dd ☐ dms	Salinity (ppt) N/A	Comments		
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	<u>Eastern</u> 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	Sp. Conductance (umho/cm)	
Latitude	Longitude	Salinity (ppt)	Comments		

Relinquished By:	Date/Time	Shipping Method	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time
Jed	17 Feb 16, 405		[Signature]	02-18-16				

09-15

Group: A	Bottle Type: P-1L	# of Bottles: 16	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: 16	Preservative: ICE	Enter Number of Bottles Sent to Lab
BOD-UNIN				
Group: A	Bottle Type: BP-1L	# of Bottles: 16	Preservative: ICE	Enter Number of Bottles Sent to Lab
CHLSUITE-W				
Group: A	Bottle Type: P-500ML	# of Bottles: 16	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: 16	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab
W-PO4-E				

Date of Request: 02-FEB-2016
 Created By: PASWATER_B On: 02-FEB-2016
 Modified By: SWANSON_C On: 03-FEB-2016
 Customer: SO-DIST
 Project: SMP
 Division: Not Applicable
 District: South District
 Sampling Event: SMP: Highlands Lakes

Send Coolers To:

Phone: 863-402-654
 Highland County Road and Bridge
 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: 02-FEB-2016
 Biology Request Reviewed By: SWANSON_C On: 03-FEB-2016
 Sampling Kit Required: YES Ship on: 05-FEB-2016
 Sampling Kit Shipped: YES On: 05-FEB-2016
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: YES
 Date to Receive Samples: 15-FEB-2016
 Received By: SHAIK_A On: 18-FEB-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
 Pythias
 Henry
 Sirena

1 - case of Sulfuric Acid

Bottle Group A (Water) With 16 Samples:

Bottle Type: P-1L	Number of Bottles: 16	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: P-1L	Number of Bottles: 16	Preserved With: ICE
BOD-UNIN	Template: DEFAULT	(SM 5210 B) BOD, NOT nitrogen-inhibited
Bottle Type: BP-1L	Number of Bottles: 16	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: 16	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 Group A (Water) With 16 Samples:

Bottle Type: P-125ML Number of Bottles: 16 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

Log-in Checklist

RQ- 2016-02-15-65

Shipping Method: _____

Date/Time of Receipt: 02-18-16/9:25

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	0.5c	15		✓			
Red	0.9c	15		✓			

*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: ABP

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

Coolers Unpacked/Checked by: ABP

Date: 2-18-16

NCRs (Y/N)?

Event ID: SMP: Highlands Lakes
SO-DIST-2016-02-18-02 (SMP)

NCR #

Date Received: 18-FEB-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:

17 Feb 16
To: Clell Ford Phone 863 402-6545
Highlands County
4344 George Blvd
Sebring State FL ZIP 33875

Internal Billing Reference
Sender's SAMPLE RECEIVING Phone 850 245-8085

FLORIDA DEP/CHEMISTRY SECTION
2600 BLAIRSTONE RD
Tallahassee State FL ZIP 32399



8094 7802 8971

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
☒ FedEx Priority Overnight
☐ FedEx Standard Overnight

2 or 3 Business Days
☐ FedEx 2Day A.M.
☐ FedEx 2Day
☐ FedEx Express Saver

5 Packaging * Declared value limit \$500.
☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options
☐ Saturday Delivery
☐ No Signature Required
☐ Direct Signature
☐ Indirect Signature

7 Payment Bill to:
Sender ☐ Recipient ☒ Third Party ☐ Credit Card ☐ Cash/Check

17 Feb 16
To: Clell Ford Phone 863 402-6545
Highlands County
4344 George Blvd
Sebring State FL ZIP 33875

Internal Billing Reference
Sender's SAMPLE RECEIVING Phone 850 245-8085

FLORIDA DEP/CHEMISTRY SECTION
2600 BLAIRSTONE RD
Tallahassee State FL ZIP 32399



8094 7802 8982

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
☒ FedEx Priority Overnight
☐ FedEx Standard Overnight

2 or 3 Business Days
☐ FedEx 2Day A.M.
☐ FedEx 2Day
☐ FedEx Express Saver

5 Packaging * Declared value limit \$500.
☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options
☐ Saturday Delivery
☐ No Signature Required
☐ Direct Signature
☐ Indirect Signature

7 Payment Bill to:
Sender ☐ Recipient ☒ Third Party ☐ Credit Card ☐ Cash/Check