Request Number: RQ-2017-02-06-02

Lake Istokpoga

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WQAP

Project ID: SPPROJECTS

Requester: Kirby Wolfe

Collected By: Clell Ford

Field Report Prepared By: Clell Ford

Sampling Agency: Highlands County

RQ-2017-02-06-02

Please Write Date & Time

Lake Istokpoga
Algae CEN

Field ID: G4SD0156

STORET: G4SD0156

☐ Comp ☑ Grab	Collection (comp begin or grab) Date 28Feb17 Time 09:40	(Eastern) Central	Composite end Date	Time	Bottle Group(s) (See pg 2)	A C D		
Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 106.7	☐ mg/L ☑ % sat	Total Res. Chlorine (mg/L) NA				
Temp (C) 22.19	pH 7.90	Sample Depth 0.5	☑ ft ☐ m	Sp. Conductance (umho/cm) 138				
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) NA	Comments Transparency 1.75', no Bloom apparent, no Mycst btl					

RQ-2017-02-06-02

Please Write Date & Time

Lake Istokpoga
Algae NE

Field ID: G4SD0151

STORET: G4SD0151

☐ Comp ☑ Grab	Collection (comp begin or grab) Date 28Feb17 Time 9:50	(Eastern) Central	Composite end Date	Time	Bottle Group(s)	A C D		
Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 100.3	☐ mg/L ☑ % sat	Total Res. Chlorine (mg/L) NA				
Temp (C) 22.55	pH 7.86	Sample Depth 0.5	☑ ft ☐ m	Sp. Conductance (umho/cm) 140				
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) NA	Comments Transparency 2.0', no bloom, no Mycst btl					

Location

Field ID

STORET #

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date	Time	Bottle Group(s)			
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)				
Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)				
Salinity (ppt)	Comments							

Location

Field ID

STORET #

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date	Time	Bottle Group(s)			
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)				
Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)				
Salinity (ppt)	Comments							

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
	2/28/17/12:45	Fedex		SK	3-1-17/10:25

Group: A	Bottle Type: BLOOM-ID	PT-50ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-MCYST-AA	BG-WD250	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: C	Bottle Type: TURBIDITY W-COLOR W-TSS	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
Group: C	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 6	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	2
Group: D	Bottle Type: DTY-QN-C PKD-QN-C	BP-1L	# of Bottles: 6	Preservative:	Lugols	Enter Number of Bottles Sent to Lab	2

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Lake Istokpoga

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last revised Apr 7, 2016

Requester: Kirby Wolfe

Collected By: Clell Ford

Field Report Prepared By: Clell Ford

Sampling Agency: Highlands County

RQ-2017-02-06-02 Please Write Date & Time Lake Istokpoga Algae SE	G4SD0154 (Field ID) G4SD0154 (STORET)	☐ dd ☐ dms		☐ dd ☐ dms	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 28Feb17 Time 9:20	Eastern / Central	Composite end Date	Time	Bottle Group(s) (See pg 2)	A C D	
					Matrix (type, e.g., Salt, Fresh, etc): Fresh		Diss. Oxygen 105.7 ☐ mg/L ☑ % sat	Total Res. Chlorine (mg/L) NA				
					Temp (C) 22.27	pH 7.98	Sample Depth 0.5 ☑ ft ☐ m	Sp. Conductance (umho/cm) 136				
					Salinity (ppt) NA	Comments: Transparency 1.75', no bloom, no M cyst bottle						
RQ-2017-02-06-02 Please Write Date & Time Lake Istokpoga Algae S	G4SD0153 (Field ID) G4SD0153 (STORET)	☐ dd ☐ dms		☐ dd ☐ dms	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 28Feb17 Time 9:30	Eastern / Central	Composite end Date	Time	Bottle Group(s)	A C D	
					Matrix (type, e.g., Salt, Fresh, etc): Fresh		Diss. Oxygen 101.8 ☐ mg/L ☑ % sat	Total Res. Chlorine (mg/L) NA				
					Temp (C) 22.83	pH 8.14	Sample Depth 0.5 ☐ ft ☐ m	Sp. Conductance (umho/cm) 134				
					Salinity (ppt) NA	Comments: Transparency 1.75', no bloom, no M cyst bottle						
Location		☐ dd ☐ dms		☐ dd ☐ dms	☐ 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						
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:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
	2/28/17/12:45	Fed Ex		SK	~~2-25-~~ 3-1-17/10:25

Group: A	Bottle Type: PT-50ML	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
	BLOOM-ID				
Group: B	Bottle Type: BG-WD250	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	0
	W-MCYST-AA				
Group: C	Bottle Type: BP-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
	CHLSULTE-W				
Group: C	Bottle Type: P-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
	TURBIDITY				
	W-COLOR				
	W-TSS				
Group: C	Bottle Type: P-500ML	# of Bottles: 6	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: C	Bottle Type: P-125ML	# of Bottles: 6	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab	2
	W-PO4-F				
Group: D	Bottle Type: BP-1L	# of Bottles: 6	Preservative: Lugols	Enter Number of Bottles Sent to Lab	2
	DTY-QN-C				
	PKD-QN-C				

RQ-2017-02-06-02

Date of Request: 16-NOV-2016
Created By: WOLFE_K On: 16-NOV-2016
Modified By: MATTHEWS_D On: 12-JAN-2017
Customer: WQAP
Project: SPPROJECTS
Division: Division of Environmental Assessment and Restoration
District: south
Sampling Event: Lake Istokpoga

Send Coolers To:

Phone: (869)402-6545
Highlands County Parks and Natural Resources
4344 George Blvd.
Sebring, FL 33875
Attn: Clell Ford

Send Final Report To:

2295 Victoria AVE
Suite 364
Fort Myers, FL 33901
Attn: Kirby Wolfe

Program Module Number:
Priority: 3
Event Status: S
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 11-JAN-2017
Biology Request Reviewed By: MATTHEWS_D On: 12-JAN-2017
Sampling Kit Required: YES Ship on: 02-FEB-2017
Sampling Kit Shipped: YES On: 31-JAN-2017
Sampling Kit Packed By: SHAIK_A
Preservatives Needed: YES
Date to Receive Samples: 06-FEB-2017
Received By:

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

Comments:

1 - case of sulfuric acid

Please print two copies of algal job labels at login

Analyze toxin upon receipt after consultation with Biology's Taxonomy Manager or designee.

Bottle Groups A/B - separate event, priority 1
Bottle Groups C/D - separate event, C - priority 3, D - priority 12

Bottle Group A - Priority 1
For algal dominant taxon.

Bottle Group B - Priority 1
For toxin testing.

Bottle Group C - Priority 3
Water quality testing

Bottle Group D - Priority 12
For algal full ID.

Bottle Group A (Biological) With 6 Samples:

Bottle Type: PT-50ML Number of Bottles: 6 Preserved With: ICE
BLOOM-ID Template: DEFAULT (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 6 Samples:

Bottle Type: BG-WD250 Number of Bottles: 6 Preserved With: ICE
W-MCYST-AA Template: DEFAULT (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS

Bottle Group C (Water) With 6 Samples:

Bottle Type: BP-1L Number of Bottles: 6 Preserved With: ICE
CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Bottle Type: P-1L Number of Bottles: 6 Preserved With: ICE
TURBIDITY Template: DEFAULT (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices

Bottle Group C (Water) With 6 Samples:

Bottle Type: P-1L Number of Bottles: 6 Preserved With: ICE

W-COLOR Color (true)	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices

Bottle Type: P-500ML Number of Bottles: 6 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: 6 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 D (Water) With 6 Samples:

Bottle Type: BP-1L Number of Bottles: 6 Preserved With: Lugols

DTY-QN-C	Template: DEFAULT	(SOP-AB05_1) No. of diatom taxa of quantitative phytoplankton sample.
PKD-QN-C	Template: DEFAULT	(SOP-AB05) No. of wet taxa of quantitative phytoplankton sample.

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

Log-in Checklist

RQ-2017-02-06-02

Shipping Method: Fedex Date/Time of Receipt: 3-1-17 / 10:00 25 SK

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	0.4	12		✓			
Red	0.4	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			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: SK

Coolers Unpacked/Checked by: SK Date: 3-1-17 NCRs (Y/N)? N

Event ID: WQAP-2017-03-01-01 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:

00692

01000

FedEx Express Package US Airbill

FedEx Tracking Number 8103 9283 7229

Form ID No. 0215

MUR3

Recipient's Copy

1 From

Date 28Feb17

Sender's Name Eleli Fard Phone 863 402-6545

Company Highlands County

Address 4344 George Blvd

Dept./Floor/Suite/Room

City Sebring State FL ZIP 33875

2 Your Internal Billing Reference

3 To

Recipient's Name SAMPLE RECEIVING Phone 850 245-8085

Company FLORIDA DEP/CHEMISTRY SECTION

Address 2600 BLAIRSTONE RD

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City TALLAHASSEE State FL ZIP 32399

Hold Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

Hold Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0124031825

8103 9283 7229

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	2 or 3 Business Days
☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.	☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless Saturday Delivery is selected.	☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless Saturday Delivery is selected.
☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.	☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

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, 9, UN 1845 _____ x _____ 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 1 will be billed. ☒ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

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Total Packages 1 Total Weight 5 lbs. Credit Card Auth.

†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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