

FDEP South Regional Operations Center

PO Box 2549

Fort Myers, Florida 33902

(239) 344-5600

Revised 04/15/2015

SAMPLING DATE: 7-25-16

RQ#: 2D16-07-1843 B: C: F: SIM:

RQ#: B: C: F: SIM:

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Project ID (circle one) TMDL PRAIRIE CALOOSA FLATWOOD Other Intergal Algae

Sampled by {Team Names} and Initials

Cory Anderson CA

Kirby Wolte KW

Report Prepared by KW

Sample Depth (m) 0.3

Collection Method (circle one)

GAD Composite

Composite Date/Time

Start Finish

Preservation Check (see back also)

Preservative in bottles

[Y/N] Y

Initials KW

KW

KW

KW

Ice

Nutrients - 1 mL 1:1 H₂SO₄ per 500 mL

Metals - 1 mL 1:1 HNO₃ per 500 mL

PO4 - Filter

Other

Field Measurement Instruments ID:

YSI ID 5

Calibrated 7-25-16 CA 7:10am

Cal. Check 7-25-16 CA 1530

Calibrated

Cal. Check

Cal Check Passing? [Y/N] X

Sampling device: (circle) Container Bucket Van Dorn Pump Dipper Other (Specify in Remarks)

Equipment Construction: (circle) Plastic Glass Other (Specify in Remarks)

Boat: (circle) Motor Paddles/Oars Trolling Motor Other (Specify in Remarks)

Remarks:

Value Qualifiers:

J - Estimated Value

K - Actual value is known to be less than value given

R - Significant rain in the past 48 hrs (excess of 1/2" within the past 48 hr S - Actual value is known to be greater

Record all GPS Readings in Decimal Degree Format

D - Measurement was made in the field

A - Value reported is the mean of two or more determinations

Flow Severity: (circle one) High, Normal, Low, Pooled, or Dry

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WBID# RQ#	Field ID Location/Name	PARAMETER	TIME	ANALYST (Initials)	Sample Depth	TEMP EPA170.1	DO SM4500.0G	%SAT DO SM4500.0G	COND EPA120.1	PH EPA150.1	Secchi DEPSOP001 /01	Total Depth	Matrix
		UNIT	hr:min		meters	°C	mg/L	%	µS/cm	su	meters	meters	Fresh/S alt
		STORET #			68	10	299	301	94	400	78		
RQ-2016-07-18-43 7/25/2016	Lake Istokpoga Algae NE	ISTO072516-1 Field ID	1111	KW	0.3	29.8	5.7	76	110	6.5	0.6	1.4	fresh
		STORET # G4SD0151	Bottom if >1.5										
RQ-2016-07-18-43 7/25/2016	Lake Istokpoga Algae NW	ISTO072516-2 Field ID	1055	KW	0.3	29.9	8.4	111	107	8.2	0.7	2.1	fresh
		STORET # G4SD0152	Bottom if >1.5		1.6	29.2	8.7	88	107	7.4			
RQ-2016-07-18-43 7/25/2016	Lake Istokpoga Algae CEN	ISTO072516-3 Field ID	1130	KW	0.3	29.8	8.4	111	107	8.2	0.7	2.1	fresh
		STORET # G4SD0156	Bottom if >1.5		0.3	29.9	7.7	103	101	7.9	0.6	1.2	
RQ-2016-07-18-43 7/25/2016	Lake Istokpoga Algae W	ISTO072516-4 Field ID	10:30	KW	0.3	29.53	7.8	102	108	8.4	0.4	1.1	fresh
		STORET # G4SD0155	Bottom if >1.5	CP									
Field Conditions:													
pH<2.0 (circle) Y/N													
Sample collected by: CA													
Field Conditions:													
pH<2.0 (circle) Y/N													
Sample collected by:													
Field Conditions:													
pH<2.0 (circle) Y/N													
Sample collected by: SA													
Comments:													

Flow Severity: (circle one) High, Normal, Low, Pooled, or Dry

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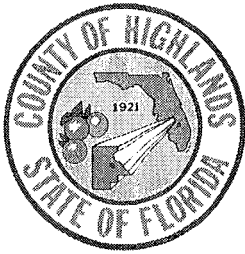
SAMPLING DATE: 7-25-16

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WBID# RQ#	Field ID Location/Name	PARAMETER	TIME	Analyst (Initials)	Sample Depth	TEMP EPA170.1	DO SM4500.0G	%SAT DO SM4500.0G	COND EPA120.1	PH EPA150.1	Secchi DEPSOP001 /01	Total Depth	Matrix
STORET #	Collection date	UNIT	hr:min		meters	°C	mg/L	%	µS/cm	su	meters	meters	Fresh/S alt
RQ-2016-07-18-43 7/25/2016	ISTO072516-5 Field ID		1150	KW	0.3	29.6	7.3	96	107	7.8	0.6	1.6	fresh
Lake Istokpoga Algae SE	STORET # G4SD0154		Bottom if >1.5	LA	1.1	29.0	5.8	75	106	7.1			
Field Conditions: pH<2.0 (circle) Y/N													
RQ-2016-07-18-43 7/25/2016	ISTO072516-6 Field ID		1210	KW	0.3	29.9	7.6	100	116	8.2	0.6	2.1	fresh
Lake Istokpoga Algae S	STORET # G4SD0153		Bottom if >1.5	LA	1.6	28.9	4.4	57	116	7.1			
Field Conditions: pH<2.0 (circle) Y/N													
Field ID:													
Location:													
STORET #:													
Collection Date:													
Field Conditions: pH<2.0 (circle) Y/N													
Field ID:													
Location:													
STORET #:													
Collection Date:													
Field Conditions: pH<2.0 (circle) Y/N													
Comments:													

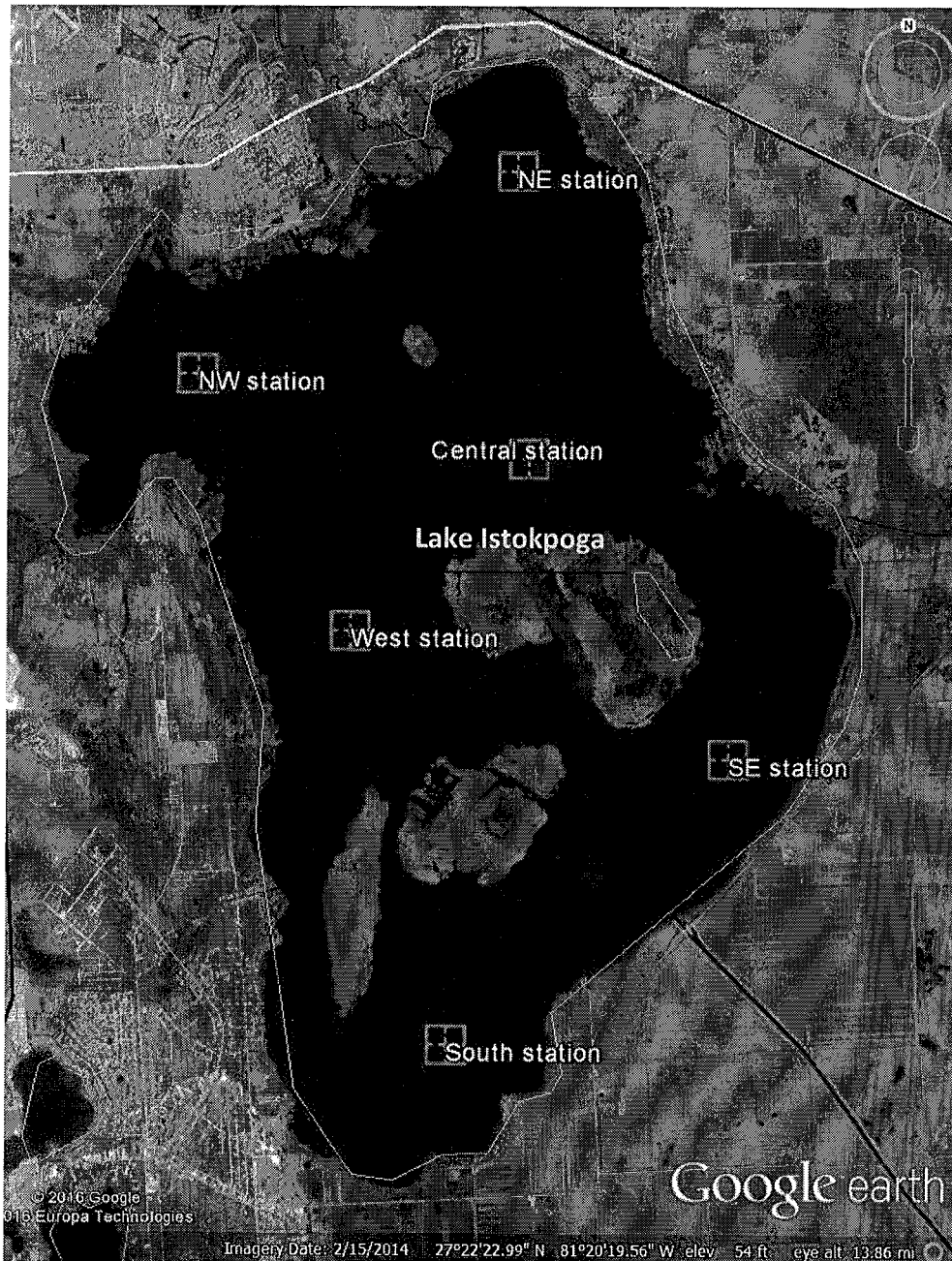
Flow Severity: (circle one) High, Normal, Low, Pooled, or Dry

G4SD0151	4	Lake Istokp N <i>NE</i>	27.43095	W	-81.27184	028	NAD83	FL	Highlands	Lake
G4SD0152	4	Lake Istokp N <i>W</i>	27.40645	W	-81.32083	028	NAD83	FL	Highlands	Lake
G4SD0153	4	Lake Istokp N <i>S</i>	27.31653	W	-81.28885	028	NAD83	FL	Highlands	Lake
G4SD0154	4	Lake Istokp N <i>SE</i>	27.35213	W	-81.24473	028	NAD83	FL	Highlands	Lake
G4SD0155	4	Lake Istokp N <i>West</i>	27.37167	W	-81.29995	028	NAD83	FL	Highlands	Lake
G4SD0156	4	Lake Istokp N <i>Cent</i>	27.39305	W	-81.27223	028	NAD83	FL	Highlands	Lake



HIGHLANDS COUNTY

BOARD OF COUNTY COMMISSIONERS



MAP OF REQUESTED MONTHLY SAMPLING AT SIX STATIONS ON LAKE ISTOKPOGA FOR DETERMINATION OF ALGAE, ALGAE TOXINS, NUTRIENTS AND WATER QUALITY PARAMETERS IN THE LAKE

600 South Commerce Ave, SEBRING, FL 33870
PHONE: (863) 402-6500

Cooler Packing Worksheet for Request: RQ-2016-07-18-43

Lake Istokpoga

Ship Cooler On: 7/5/2016

Customer/Project: WQAP/SPPROJECTS

Requester: Kirby Wolfe

Priority: 1

239-344-5719
2295 Victoria AVE
Suite 364
Fort Myers, FL 33901

Attn: Kirby Wolfe

Comments:

No preservatives needed.

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.

Requested Analyses:

Bottle Group: A

of Sites: 6

Container ID: PT-50ML

Qty: 6

Preservation: ICE

Lot # 430897

Description: Plastic Tube 50 mL

Analysis

BLOOM-ID

Description

Assessment of dominant algal taxa in bloom or mat sample

Bottle Group: B

of Sites: 6

Container ID: BG-WD250

Qty: 6

Preservation: ICE

Lot # 00062976

Description: Wide Mouth Amber Glass 250ml

Analysis

W-MCYST-AA

Description

Microcystins in water matrices by HPLC/MS/MS

Bottle Group: C

of Sites: 6

Container ID: BP-1L

Qty: 6

Preservation: ICE

Lot # 1172350

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

Container ID: P-1L

Qty: 6

Preservation: ICE

Lot # 00065181

Description: Plastic Bottle 1L

Analysis

TURBIDITY

W-COLOR

W-TSS

Description

Turbidity in aqueous matrices

True Color measured at 450 nm

Total Suspended Solids in aqueous matrices

Container ID: P-500ML

Qty: 6

Preservation: ICE And H2SO4

Lot # 00064947

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 6

Preservation: ICE-FLTR

Lot # 00064310

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: D

of Sites: 6

Container ID: BP-1L

Qty: 6 Preservation: Lugols

Lot # 1172350

Description: Brown Plastic Bottle 1L

Analysis

DTY-QN-C

PKD-QN-C

Description

No. of diatom taxa of quantitative phytoplankton sample.

No. of wet taxa of quantitative phytoplankton sample.

Cooler Packed By: MB + RW

Date: 7/12/16

DEP Cooler ID #(s): 2 coolers

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle (1 per cooler)
- ☒ FedEx Bills, if applicable (1 per cooler)
- ☒ Plastic Bags
- ☒ Zip Ties

If Preservation Included:

ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2016-07-18-43