FDEP South Regional Operations Center
PO Box 2549
Fort Myers, Florida 33902
(239) 344-5600
Revised 04/15/2015

SAMPLING DATE: 1-30-17

RQ#: 2017-01-02-02 B:___ C:___ F:\ SIM:___
RQ#:___ B:___ C:___ F:___ SIM:___
RQ#:___ B:___ C:___ F:___ SIM:___

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

Sampled by {Team Names} and Initials

Corey Anderson	CA
Kirby Wolfe	KW
Rosemary Murphy	RM

Report Prepared by CA
Sample Depth (m) 0-3

Collection Method (circle one)
(Grab) Composite

Composite Date/Time
Start ___ Finish ___

Preservation Check (see back also)

	Preservative in bottles [Y/N]	Initials
Ice	Y	CA
Nutrients - 1 mL 1:1 H_2SO_4 per 500 mL	Y	CA
Metals - 1 mL 1:1 HNO_3 per 500 mL	N	CA
PO4 - Filter	Y	CA
Other ___	___	___

Field Measurement Instruments ID:

YSI ID		Date/Time/Initial
6LBIF	Calibrated	1-30-17 718 CA
6LBIF	Cal. Check	1-30-17 1726 RM
___	Calibrated	___
___	Cal. Check	___

Cal Check Passing? [Y/N] Y

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 (Specifiy 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
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
S - Actual value is known to be greater

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

FDEP South Regional Operations Center
PO Box 2549
Fort Myers, Florida 33902
(239) 344-5600

SAMPLING DATE: 1-30-17

WBID# / RQ# / Field ID / Location/Name / STORET # / Collection date	PARAMETER	TIME	ANALYST (Initials)	Sample Depth	TEMP EPA170.1	DO SM4500.OG	%SAT DO SM4500.OG	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/Salt
	STORET #			68	10	299	301	94	400	78		
RQ-2017-01-02-02 1/30/2017 Time: Lake Istokpoga Algae NE G4SD0151 (Field ID) G4SD0151 (STORET)		1150	CA KM	0.3	16.6	9.1	95	133	7.5	0.4	1.7	fresh
		Bottom if >1.5	KM	1.2	16.7	8.7	89	134	7.4			
Field Conditions:								pH<2.0 (circle) (Y) / N		Sample collected by: CA		
RQ-2017-01-02-02 1/30/2017 Time: Lake Istokpoga Algae NW G4SD0152 (Field ID) G4SD0152 (STORET)		1130	KM KM	0.3	16.9	8.8	91	133	7.9	0.6	1.9	fresh
		Bottom if >1.5	CA	1.4	17.0	8.8	91	134	7.7			
Field Conditions:								pH<2.0 (circle) (Y) / N		Sample collected by: CA		
RQ-2017-01-02-02 1/30/2017 Time: Lake Istokpoga Algae S G4SD0153 (Field ID) G4SD0153 (STORET)		1300	KM CA	0.3	16.7	8.7	90	127	7.6	0.4	2.1	fresh
		Bottom if >1.5	KM	1.6	16.7	8.2	85	128	7.5			
Field Conditions:								pH<2.0 (circle) (Y) / N		Sample collected by: CA		
RQ-2017-01-02-02 1/30/2017 Time: Lake Istokpoga Algae SE G4SD0154 (Field ID) G4SD0154 (STORET)		1235	CA KM	0.3	16.5	8.5	87	128	7.7	0.4	1.9	fresh
		Bottom if >1.5	KM	1.4	16.5	8.4	86	128	7.6			
Field Conditions:								pH<2.0 (circle) (Y) / N		Sample collected by: CA		

Comments:

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

FDEP South Regional Operiations Center
PO Box 2549
Fort Myers, Florida 33902
(239) 344-5600

SAMPLING DATE: 1-30-17

WBID# / RQ# / Field ID / Location/Name / STORET # / Collection date	PARAMETER	TIME	ANALYST (Initials)	Sample Depth	TEMP 1 decimal	DO 1 decimal	%SAT DO no decimal	COND whole #	PH 1 decimal	Secchi 1 decimal	Total Depth	Matrix
	UNIT	hr:min		meters	°C	mg/L	%	µS/cm	su	meters	meters	Fresh/Salt
	STORET #			68	10	299	301	94	400	78		
RQ-2017-01-02-02 / 1/30/2017 / Time: / Lake Istokpoga / Algae W / G4SD0155 (Field ID) / G4SD0155 (STORET)		1105	CA RM	0.3	16.2	9.4	95	129	8.6	0.5	1.5	Fish
		Bottom if >1.5	KM	1.0	16.4	9.3	95	129	8.3			
Field Conditions:								pH<2.0 (circle) Y / N		Sample collected by: CA		
RQ-2017-01-02-02 / 1/30/2017 / Time: / Lake Istokpoga / Algae CEN / G4SD0156 (Field ID) / G4SD0156 (STORET)		1215	CA RM	0.3	16.5	9.7	99	130	7.6	0.4	1.6	Fish
		Bottom if >1.5	KM	1.1	16.5	9.7	99	131	7.6			
Field Conditions:								pH<2.0 (circle) Y / N		Sample collected by: CA		
Field ID: / Location: / STORET #: / Collection Date:		Bottom if >1.5										
Field Conditions:								pH<2.0 (circle) Y / N		Sample collected by:		
Field ID: / Location: / STORET #: / Collection Date:		Bottom if >1.5										
Field Conditions:								pH<2.0 (circle) Y / N		Sample collected by:		

Comments:

FDEP South Regional Operations Center
PO Box 2549
Fort Myers, Florida 33902
(239) 344-5600

SAMPLING DATE: ____________________

WBID# RQ#	PARAMETER	TIME	ANALYST (Initials)	Sample Depth	TEMP 1 decimal	DO 1 decimal	%SAT DO no decimal	COND whole #	PH 1 decimal	Secchi 1 decimal	Total Depth	Matrix
Field ID Location/Name	UNIT	hr:min		meters	°C	mg/L	%	µS/cm	su	meters	meters	Fresh/Salt
STORET # Collection date	STORET #			68	10	299	301	94	400	78		
Field ID: Location: STORET #: Collection Date:		Bottom if >1.5										
Field Conditions:								pH<2.0 (circle) Y / N		Sample collected by:		
Field ID: Location: STORET #: Collection Date:		Bottom if >1.5										
Field Conditions:								pH<2.0 (circle) Y / N		Sample collected by:		
Field ID: Location: STORET #: Collection Date:		Bottom if >1.5										
Field Conditions:								pH<2.0 (circle) Y / N		Sample collected by:		
Field ID: Location: STORET #: Collection Date:		Bottom if >1.5										
Field Conditions:								pH<2.0 (circle) Y / N		Sample collected by:		

Comments:

Boldly "X" this box if there is qualified data on this page.

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Meter ID: LiBit **Project:** Lake Istokpoga

Notes: (1) Numbers ≤4, are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
(2) Always wait for meter to stabilize before recording any readings.
(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: (Lab Calibration) or Calibration/Verification on Site_____

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification 2/7/17

DO DEP SOP FT 1500	Name	Date	Time (ET)	Temp. (°C)	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Coren Anderson	1-30-17	718	25.2	8.2	8.2	100			(P) F	(L) F
ICV	Coren Anderson	1-30-17	719	25.2	8.3	8.3	101			(P) F	(L) F
CCV	Rosemary Murphy	"	1718	19.8	9.1	9.2	100			(P) F	(L) F
CCV										P F	L F

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.
DO Acceptance criteria from Table ±0.3 mg/L. **Rapid-Pulse Sensors:** DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.
Optical: DO gain range 0.85 to 1.15; DO charge N/A. **Steady-state & Galvanic Sensors:** DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time (ET)	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Coren Anderson	1-30-17	722	160823A	9/17	1000	1000	(P) F	(L) F
ICV	Coren Anderson	1-30-17	727	160823B	3/17	100	103	(P) F	(L) F
CCV	Rosemary Murphy	"	1720	1604188	4/17	500	500	(P) F	(L) F
CCV								P F	L F

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time (ET)	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Coren Anderson	1-30-17	730	164204	6/18	7.0	7.0	-25.3	(P) F	(L) F
Calibr.	Coren Anderson	1-30-17	732	163418	5/18	4.0	4.0	173.3	(P) F	(L) F
Calibr.	Coren Anderson	1-30-17	734	161216C	6/18	10.0	10.0	-187.7	(P) F	(L) F
ICV	Coren Anderson	1-30-17	736	161216C	6/18	10.0	10.1	-188.1	(P) F	(L) F
CCV	Rosemary Murphy	"	1726	162208	6/18	4.0	4.1	97.6	(P) F	(L) F
CCV									P F	L F

Report pH with one decimal place; pH Acceptance criteria ±0.2 SU; mV pH7 Range 0±50; mV pH 4 Range +180±50;
mV pH 10 Range -180±50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly) Date of Last Depth Verification _____

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria ±5 % or ±0.05m, whichever is greater

Notes: _____

Cooler Packing Worksheet for Request: RQ-2017-01-02-02

Lake Istokpoga

Ship Cooler On: 12/19/2016

Customer/Project: WQAP/SPPROJECTS

Requester: Kirby Wolfe

Priority: 3

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

Please print two copies of algal job labels at login.

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 #** 03715003

Description: Plastic Tube 50 mL

Analysis	Description
BLOOM-ID	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 #** 0006 5415

Description: Wide Mouth Amber Glass 250ml

Analysis	Description
W-MCYST-AA	Microcystins in water matrices by HPLC/MS/MS

Bottle Group: C # of Sites: 6

Container ID: BP-1L **Qty: 6** **Preservation: ICE** **Lot #** 1174098

Description: Brown Plastic Bottle 1L

Analysis	Description
CHLSUITE-W	Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

---

Container ID: P-1L **Qty: 6** **Preservation: ICE** **Lot #** 0006 6202

Description: Plastic Bottle 1L

Analysis	Description
TURBIDITY	Turbidity in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-TSS	Total Suspended Solids in aqueous matrices

Container ID: P-500ML **Qty: 6** **Preservation: ICE And H2SO4** **Lot #** 00066045

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML **Qty: 6** **Preservation: ICE-FLTR** **Lot #** 0006 4846

Description: Plastic Bottle 125 mL

Analysis	Description
W-PO4-F	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 #** 1174098

Description: Brown Plastic Bottle 1L

Analysis	Description
DTY-QN-C	No. of diatom taxa of quantitative phytoplankton sample.
PKD-QN-C	No. of wet taxa of quantitative phytoplankton sample.

Cooler Packed By: ATB Date: 12-29-16

DEP Cooler ID #(s): 3

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-2017-01-02-02