



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Upper Dianne Lake Middle

Date: 6/27/2018

WIN/ Field ID: G1WA0041

WBID: 546B

Latitude: 30.59986

(mm/dd/yyyy)

County: Leon

ORG ID: 21FLWQA

Longitude: -84.23778

(Decimal Degrees)

Receiving Body of Water: Lake Iamonia

RQ-2018- 06-25-20

(Decimal Degrees)

820-2018-07-31-21

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Curtis Musson							X		X	X	☒ Sample Container	☐ Van Dorn	☐ Pole		
Jason Storrs						X		X			☐ Carboy	☒ Syringe			
											☐ Dipper	☐ Other			
											Depth Measured with <u>Sonar</u>				
											Equipment ID <u>#1</u>				
											Collection Method				
											☐ Wading	☒ Canoe/Kayak			
											☐ From Shore	☐ Electric Motor			
											☐ Other	☐ Gasoline Motor			
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded						Meter ID# Biology #2			Matrix: Fresh / Marine / DI						
Photos: <u>Yes</u> / No						Flow: No Flow / Intestinal / Flowing / <u>NA</u>			Tide: Rising/ Falling/ Slack/ <u>NA</u>			Tide Times: High <u>NA</u> Low <u>NA</u>			
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)					
EST	451	1.5	0.3	1.5	8.18	112.0	8.63	0.05	101	32.01					
CEN	450		1.0	VOB	8.22	112.6	8.66	0.05	100	32.00					
Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other: <u>Bloom ED</u>															
SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#: <u>2003590</u>															
Parameter Suite	Parameter Methods						Preservation	Lot#	Expiration	pH Check					
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP						☒ Ice ☒ H2SO4	SA80517	3/26/19	☒ <2					
Metals	☐ W-ICPMS ☐ W-ICP						☐ Ice ☐ HNO3			☐ <2					
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter						☐ Ice	10827054							
Chlorophyll	☒ CHLSUITE-W						☐ Ice								
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS						☐ Ice								
Physical/Aggregate (Marine)	☐ Alkalinity / W-F / W-TSS / TURBIDITY						☐ Ice								
Macroinvertebrates	☐ MI-FW-QLDC						☐ Formalin								
Periphyton	☐ ALGAE-ID						☐ Ice								
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci						☐ Ice								
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD						☐ Ice								
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA						☐ Ice								
Pesticides	☐ W-PSNP-TQ ☐ W-UHERB-AA ☐ W-AHERB-AA ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R						☐ Ice ☐ Other								

Notes:

A-Kit
FW Bacteria
Bloom Kit

photos w/ bloom

Upper Dianne
Lake Middle

WIN ID/Field ID

G1WA0041

Signature:

Curtis Musson

Date:

6-27-18

Enter Field Parameters, Verify Station ID In LIMS DMT: Blance 6-27-18

QC Station ID, Field Parameters In LIMS DMT: CM 6-28-17

Scan/Save Field Sheets CM 6-28-18

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

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

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

Meter ID: Bio #2 RQ: 2018-06-25-20 Project: SMP

- Notes: (1) Always wait for meter to stabilize before recording any readings.
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
 (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 _____

DO DEP SOP FT 1500	Name	Date	Time OT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Curtis Mussen	6/27/18	704	22.48	8.660	8.66	100.0	55	—	P/F	Q/F
ICV	Curtis Mussen	6/27/18	705	22.48	8.660	8.66	100.0	55	—	P/F	Q/F
CCV	Jason Skeris	6/27/18	1158	24.29	8.371	8.37	100.1	57.4	—	P/F	Q/F
CCV										P/F	L/F

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 OT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Mussen	6/27/18	707	180326A	04/2019	100	100	P/F	L/F
ICV	Curtis Mussen	6/27/18	710	171005D	10/2018	1000	1000	P/F	Q/F
CCV	Curtis Mussen	6/27/18	712	171005D	10/2018	1000	1000	P/F	Q/F
CCV	Jason Skeris	6/27/18	1150	180326A	04/2019	100	102	P/F	Q/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time OT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Curtis Mussen	6/27/18	714	180326D	10/2019	7.0	7.00	25	P/F	Q/F
Calibr.	Curtis Mussen	6/27/18	717	180326C	04/2019	4.01	4.01	194	P/F	Q/F
Calibr.	Curtis Mussen	6/27/18	719	171005C	04/2019	10.01	10.01	145	P/F	Q/F
ICV	Curtis Mussen	6/27/18	723	171005C	04/2019	10.01	9.98	144	P/F	Q/F
CCV	Jason Skeris	6/27/18	1155	180326D	10/2019	7.0	6.81	40.1	P/F	Q/F
CCV	Jason Skeris	6/27/18	1159	180326C	04/2019	4.01	3.80	200	P/F	Q/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ; mV pH 4 Range $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time OT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass/ Fail	Lab/ Field
Pressure mode in air	Curtis Mussen	6/27/18	713	0.00 m	0.00	P/F	Q/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By:

Field Report Prepared By:

Sampling Agency:

Curtis Musson, Jason Sporns

FDEP

Location		Lake Monkey		WIN ID/Field ID		Business Middle		G1WA00036		Lake Monkey		Business Middle		G1WA00036		Lake Monkey		Business Middle		G1WA00036	
Field ID		Field ID		Field ID		Field ID		Field ID		Field ID		Field ID		Field ID		Field ID		Field ID		Field ID	
WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #	
Latitude		Latitude		Latitude		Latitude		Latitude		Latitude		Latitude		Latitude		Latitude		Latitude		Latitude	
Longitude		Longitude		Longitude		Longitude		Longitude		Longitude		Longitude		Longitude		Longitude		Longitude		Longitude	
Location		Upper Dianne		WIN ID/Field ID		Lake Middle		G1WA00041		Upper Dianne		Lake Middle		G1WA00041		Upper Dianne		Lake Middle		G1WA00041	
Field ID		Field ID		Field ID		Field ID		Field ID		Field ID		Field ID		Field ID		Field ID		Field ID		Field ID	
WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #	
Latitude		Latitude		Latitude		Latitude		Latitude		Latitude		Latitude		Latitude		Latitude		Latitude		Latitude	
Longitude		Longitude		Longitude		Longitude		Longitude		Longitude		Longitude		Longitude		Longitude		Longitude		Longitude	
Location		Lower Dianne		WIN ID/Field ID		Lake Middle		G1WA00040		Lower Dianne		Lake Middle		G1WA00040		Lower Dianne		Lake Middle		G1WA00040	
Field ID		Field ID		Field ID		Field ID		Field ID		Field ID		Field ID		Field ID		Field ID		Field ID		Field ID	
WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #	
Latitude		Latitude		Latitude		Latitude		Latitude		Latitude		Latitude		Latitude		Latitude		Latitude		Latitude	
Longitude		Longitude		Longitude		Longitude		Longitude		Longitude		Longitude		Longitude		Longitude		Longitude		Longitude	
Location		Petty Gulf		WIN ID/Field ID		lake Middle		G1WA00022		Petty Gulf		lake Middle		G1WA00022		Petty Gulf		lake Middle		G1WA00022	
Field ID		Field ID		Field ID		Field ID		Field ID		Field ID		Field ID		Field ID		Field ID		Field ID		Field ID	
WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #		WIN/STORET #	
Latitude		Latitude		Latitude		Latitude		Latitude		Latitude		Latitude		Latitude		Latitude		Latitude		Latitude	
Longitude		Longitude		Longitude		Longitude		Longitude		Longitude		Longitude		Longitude		Longitude		Longitude		Longitude	

Relinquished By:	Curtis Musson	Date/Time	6-27-18 / 11:36	Shipping Method	Drop off	Number of Coolers Shipped:	2	Received By:	[Signature]	Date/Time	6-27-18 / 11:36
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Sampling Agency:

Relinquished By: <i>Cortomussa</i>	Date/Time <i>6-27-18 / 11:36</i>	Shipping Method <i>Drop off</i>	Number of Coolers Shipped: <i>2</i>	Received By: <i>AKG</i>	Date/Time <i>6-27-18 11:36</i>
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Group: A	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab	5
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab	5
Group: A	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab	5
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 5	Preservative: ICE And H2SO4 H2SO4 LOT# SA8885170 EXP: 03/26/19	Enter Number of Bottles Sent to Lab	5
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 5	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	5

Lot# 10825054

Cooler Packing Worksheet for Request: RQ-2018-06-25-20

killlearn lakes

Ship Cooler On: 6/21/2018

Customer/Project: WAS-SECT/SMP

Assigned To: KLUG_K

Requester: Curtis Musson

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Please return
packing list with
sample submittal
forms.

Comments:

No preservatives needed.

Group A: Freshwater Nutrients, e.coli

No Fedex Labels

Requested Analyses:

Bottle Group: A

of Sites: 5

Container ID: P-1L

Qty: 5 Preservation: ICE

Lot # 00071006

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO₃/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 5 Preservation: ICE

Lot # 1223623

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-250ML-WO-THI

Qty: 5 Preservation: ICE

Lot # L18038

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: P-500ML

Qty: 5 Preservation: ICE And H2SO4

Lot # 00070684

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: 5 Preservation: FILTER-ICE

Lot # 00070886

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: HLH

Number of Coolers: 2

Date: 6/21/18

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags/Zip Ties
- ☐ Acid Labels (sets of 24)

If Preservation Included:

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

PLEASE RETURN ALL COOLERS FOR RQ-2018-06-25-20

CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET

(7-6-06 V2)

Upper Dianne Lake Middle		WIN ID/Field ID G1WA0041	DATE (M/D/YY): 6/27/18	TIME: (AM) (PM) 851 EST	Case ID#:
COUNTY: Leon		LOCATION: Upper Dianne Lake Middle		NEAREST TOWN/CITY: Tallahassee	
Visit Type:	Samples collected:		Samples submitted to:		Photos Taken:
Initial ☐	☒ yes ☐ no		DEP Lab		☒ yes ☐ no
Recon ☐	Sample collection method:				
Sampling ☒	Single Grab: ☒ Grab Composite: ☐ Depth integrated composite: ☐				
Follow-up ☒					
Sample & Analysis types:					
Aqueous: ☒		Surface Scum: ☐		Benthic mat: ☐	
Tissue: ☒					
Algal ID & enumeration: ☒ Nutrients: ☒ Chl-a: ☒ AGP: ☐ Turbidity: ☒ Toxin: ☒					
Estimated size of bloom: Surface 30% / Bottom 50%					
Impounded: ☒ yes ☐ no		Stream/River/Canal ☐ m wide			
Lake/Estuary Typical depth 1.5 m deep		Typical Transient ☐ m deep ☐ m deep ☐ m deep			
Inflows: ☒ yes ☐ no		Water velocity ☐ m/s ☐ m/s ☐ m/s			
Outflows: ☒ yes ☐ no		Left bank Middle Right bank			

Canopy Cover: Open: ☒ Lightly Shaded (11-45%): ☐ Moderately Shaded (46-80%): ☐ Heavily Shaded: ☐					
Description of Bloom/ Present Weather conditions: Surface Mats (30%), Benthic Mat (5-7%)					
Latitude		Longitude			
Degrees Minutes Seconds		Degrees Minutes Seconds			
Sunny, upper 80's, SW wind 0-5 mph					
Print a map from GIS tool or Internet mapping service (e.g., Mapquest, Google Map)				Last rain event 6/26/2018	
Sketch bloom area on the attached map. Indicate wind direction.				Rainfall amount < 1"	

WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):	Secchi (m)
Top	0.3	32.0	8.63	8.18	101 µmho/cm	1.5 vob
Mid-depth						
Bottom	1.0	32.00	8.66	8.22	100 µmho/cm	
System Type: Stream: ☐ (1st - 2nd order 3rd - 4th order 5th - 6th order 7th order or greater) Lake: ☒ Wetland: ☐ Estuary: ☐ Other: ☐						
Water Odors (check box): Normal: ☒ Sewage: ☐ Petroleum: ☐ Chemical: ☐ Other: ☐						
Water Surface (check box): Clear: ☒ Scum: ☐ Glob: ☒ Slick: ☐						
Water Clarity (check box): Clear: ☒ Slightly: ☐ Turbid: ☐ Opaque: ☐						
Bloom Color (check box): Green: ☒ Red: ☐ Brown: ☒ Other: ☐						
Notes					Abundance:	
					Absent	Rare
					Common	Abundant
Periphyton					☐	☒
Fish					☐	☒
Aquatic Macrophytes					☐	☒
Iron/sulfur Bacteria					☒	☐

VISIT TEAM:

AGENCY:

FDEP

Curtis Moss on 6-27-18

Jason Storiers

Upper Dianna Lake Bloom June 2018



Wind Direction



Sources: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, Aero
Sensing, AeroGRID, IGN, IGN, swisstopo, and the GIS User Community

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By:

Curtis Musson

Project ID: BLOOM-RESP

Collected By:

Curtis Musson, Jason Stokes

Sampling Agency:

FDEP

Location		WIN ID/Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	STORET #	Matrix (type, e.g., Salt, Fresh, etc)	Date	Time	Diss. Oxygen	% sat	Total Res. Chlorine (mg/L)	Time	
Upper Dianne Lake Middle		Fresh	6-27-18		112.0				
Latitude	Longitude	Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)				
		32.01	8.63	0.3	101			A, B, D	
Surface Grab									
Field ID	STORET #	Matrix (type, e.g., Salt, Fresh, etc)	Date <td>Time<td>Diss. Oxygen</td><td>% sat</td><td>Total Res. Chlorine (mg/L)<td>Time</td></td></td>	Time <td>Diss. Oxygen</td> <td>% sat</td> <td>Total Res. Chlorine (mg/L)<td>Time</td></td>	Diss. Oxygen	% sat	Total Res. Chlorine (mg/L) <td>Time</td>	Time	
Latitude	Longitude	Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)				
Surface Grab									
Field ID	STORET #	Matrix (type, e.g., Salt, Fresh, etc)	Date <td>Time<td>Diss. Oxygen</td><td>% sat</td><td>Total Res. Chlorine (mg/L)<td>Time</td></td></td>	Time <td>Diss. Oxygen</td> <td>% sat</td> <td>Total Res. Chlorine (mg/L)<td>Time</td></td>	Diss. Oxygen	% sat	Total Res. Chlorine (mg/L) <td>Time</td>	Time	
Latitude	Longitude	Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)				
Surface Grab									
Field ID	STORET #	Matrix (type, e.g., Salt, Fresh, etc)	Date <td>Time<td>Diss. Oxygen</td><td>% sat</td><td>Total Res. Chlorine (mg/L)<td>Time</td></td></td>	Time <td>Diss. Oxygen</td> <td>% sat</td> <td>Total Res. Chlorine (mg/L)<td>Time</td></td>	Diss. Oxygen	% sat	Total Res. Chlorine (mg/L) <td>Time</td>	Time	
Latitude	Longitude	Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)				
Surface Grab									

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Curtis Musson	6/27/18 11:36	Drop-off	1	ABG	6-27-18 11:36

Group: A	Bottle Type: BLOOM-ID	PT-50ML	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: W-MCYST-AA	BG-WD250	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	8
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4		Enter Number of Bottles Sent to Lab	8
Group: C	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	8
Group: D	Bottle Type: DTY-QN-C PKD-QN-C	BP-1L	# of Bottles: 4	Preservative:	Lugols	Enter Number of Bottles Sent to Lab	1

Cooler Packing Worksheet for Request: RQ-2017-07-31-21

Algal Bloom response - As Needed

Ship Cooler On: 7/21/2017

Customer/Project: WAS-SECT/BLOOM-RESP

Assigned To: SHAIK_A

Requester: Curtis Musson

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:

No preservatives needed.

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

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

There are multiple bottles per Group in case multiple sample targets or sample locations are needed. Samplers use best professional judgment to decide which samples are appropriate to collect for a particular response. All sets of bottles do not have to be filled at one time.

Packing Note:

No FedEx labels needed

Requested Analyses:

Bottle Group: A

of Sites: 8

Container ID: PT-50ML

Qty: 8 Preservation: ICE

Lot # 03775003

Description: Plastic Tube 50 mL

Analysis

BLOOM-ID

Description

Assessment of dominant algal taxa in bloom or mat sample

Bottle Group: B

of Sites: 4

Container ID: BG-WD250

Qty: 4 Preservation: ICE

Lot # 00065415

Description: Wide Mouth Amber Glass 250ml

Analysis

W-MCYST-AA

Description

Microcystins in water matrices by HPLC/MS/MS

Bottle Group: C

of Sites: 1

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1199138

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00068654

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

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

Container ID: P-125ML

Qty: 1 Preservation: ICE-FLTR

Lot # 00067869

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: 4

Container ID: BP-1L

Qty: 4 Preservation: Lugols

Lot # 1199138

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: ABP

Number of Coolers: 1

Date: 7-20-17

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☐ FedEx Bills, if applicable
- ☒ Plastic Bags
- ☐ Zip Ties

If Preservation Included:

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

PLEASE RETURN ALL COOLERS FOR RQ-2017-07-31-21