

Effective Date: 11/30/2017
Review/Revision Date: 11/28/2017
Author: C. Swanson and J. Walters
AB-17-1.10

Site Name: Lake Buffum Bloom Response - Follow up

Date: 09/09/2019

Appendix A

CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET (7-6-06 V2)

WATERBODY Lake Buffum		DATE (M/D/YY): 09/09/19	TIME: (AM) 1255	Case ID#:				
COUNTY: Polk	LOCATION: Lake Buffum - Northern		NEAREST TOWN/CITY: Fort Meade					
Visit Type: Initial ☐ Recon ☐ Sampling ☐ Follow- ☒	Samples collected: ☒ yes ☐ no	Samples submitted to: FDEP		Photos Taken: ☒ yes ☐ no				
Sample & Analysis types: Aqueous: ☒ Surface Scum: ☐ Benthic mat: ☐ Tissue: ☐ Algal ID & enumeration: ☒ Nutrients: ☒ Chl-a: ☒ AGP: ☐ Turbidity: ☒ Toxin: ☒								
Estimated size of bloom:		Impounded: ☐ yes ☒ no						
Lake/Estuary Typical depth: m deep		Stream/River/Canal: m wide						
Inflows: ☒ yes ☐ no		Typical Transect: m deep m deep m deep						
Outflows: ☒ yes ☐ no		Water velocity: m/s m/s m/s						
		Left bank Middle Right bank						
Canopy Cover: Open: ☒ Lightly Shaded (11-45%): ☐ Moderately Shaded (46-80%): ☐ Heavily Shaded: ☐								
Description of Bloom/ Latitude: Degrees Minutes Seconds Longitude: Degrees Minutes Seconds								
Present Weather conditions								
Print a map from GIS tool or Internet mapping service (e.g., Mapquest, Google Map)								
Sketch bloom area on the attached map. Indicate wind direction.								
Last rain event								
Rainfall amount								
WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):	%	sal	Secchi (m)
Top	0.3	32.2	7.99	9.23	103.2	130.9	0.05	0.4
Mid-depth								
Bottom								
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: ☐ Globs: ☒ Slick: ☐								
Water Clarity (check box): Clear: ☐ Slightly turbid: ☐ 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:

Matthew Beardsen - Matt BA AGENCY:

SW ROC

Effective Date: 11/30/2017
Review/Revision Date: 11/28/2017
Author: C. Swanson and J. Walters
AB-17-1.10

Site Name: Scott Lake Bloom Response - Follow up

Date: 09/09/2019

Approved

CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET (7-6-06 V2)

WATERBODY Scott Lake		DATE (M/D/Y): 9/9/19	TIME: (AM) 1415	Case ID#:				
COUNTY: Polk	LOCATION: Scott Lake - NW Corner		NEAREST TOWN/CITY: Lakeland					
Visit Type: Initial ☐ Recon ☐ Sampling ☐ Follow-up ☒	Samples collected: ☒ yes ☐ no	Samples submitted to: FDEP Tally		Photos Taken: ☒ yes ☐ no				
Sample collection method: Single Grab: ☒ Grab Composite: ☐ Depth integrated composite: ☐								
Sample & Analysis types: Aqueous: ☒ Surface Scum: ☐ Benthic mat: ☐ Tissue: ☐								
Algal ID & enumeration: ☒ Nutrients: ☒ Chl-a: ☒ AGP: ☐ Turbidity: ☒ Toxin: ☒								
Estimated size of bloom: Throughout lake		Impounded: ☐ yes ☒ no						
Lake/Estuary typical depth: 22 m deep		Inflows: ☐ yes ☐ no						
Outflows: ☐ yes ☐ no		Stream/River/Canal: _____ m wide						
		Typical Transect: _____ m deep						
		Water velocity: _____ m/s						
		Left bank _____ m/s Middle _____ m/s Right bank _____ m/s						
Canopy Cover: Open: ☒ Lightly Shaded (11-45%): ☐ Moderately Shaded (46-80%): ☐ Heavily Shaded: ☐								
Description of Bloom/ Latitude _____ Longitude _____								
Present Weather conditions								
Print a map from GIS tool or Internet mapping service (e.g., Mapquest, Google Map)								
Sketch bloom area on the attached map. Indicate wind direction.								
Last rain event _____								
Rainfall amount _____								
WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):	% Sat	Sal	Secchi (m)
Top	0.3	33.1	9.52	13.56	199.3	190.1	0.09	
Mid-depth								
Bottom	1.7	30.4	9.48	12.70	176.1	191.67	0.09	0.4
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: ☐ Globbs: ☐ Slick: ☐								
Water Clarity (check box): Clear: ☐ Slightly turbid: ☐ Turbid: ☒ Opaque: ☐								
Bloom Color (check box): Green: ☒ Red: ☐ Brown: ☐ Other: ☐								
Notes					Abundance:			
					Absent	Rare	Common	Abundant
					☐	☒	☐	☐
					☐	☒	☐	☐
					☐	☐	☐	☒
					☒	☐	☐	☐
VISIT TEAM:								
Matthew Borden - Mth BLD SWROC								

Customer: WQAP

Project ID: BLOOM-RESP

Requester: Cheryl A. Swanson

Field Report Prepared By:

Collected By:

Sampling Agency: SWKOC

Loc	Site Name: Lake Buffum Bloom Response - Follow up										Bottle Group(s)	
File	Date: 09/09/2019										(See pg 2)	
WI	pH 7.99										A, B, C	
Latitude	Salinity (ppt) 0.05											
Location	Collection (comp begin or grab) Time 1255										Composite end	
	Matrix (type, e.g., Salt, Fresh, etc) Fresh										Central Date	
	Diss. Oxygen 9.23										mg/L Total Res. Chlorine	
	Sample Depth 0.3										mg/L	
	Sp. Conductance (umho/cm) 103.2											
	Comments											
Location	Collection (comp begin or grab) Time 1415										Composite end	
	Matrix (type, e.g., Salt, Fresh, etc) Fresh										Central Date	
	Diss. Oxygen 13.50										mg/L Total Res. Chlorine	
	Sample Depth 0.3										mg/L	
	Sp. Conductance (umho/cm) 199.3											
	Comments											
Location	Collection (comp begin or grab) Time										Bottle Group(s)	
Field ID	Matrix (type, e.g., Salt, Fresh, etc)										Eastern Central Date	
WIN/STORET #	Diss. Oxygen										mg/L Total Res. Chlorine	
Latitude	Temp (C)										mg/L	
	pH										ft Sp. Conductance (umho/cm)	
	Salinity (ppt)										ft m	
	Comments											
Location	Collection (comp begin or grab) Time										Bottle Group(s)	
Field ID	Matrix (type, e.g., Salt, Fresh, etc)										Eastern Central Date	
WIN/STORET #	Diss. Oxygen										mg/L Total Res. Chlorine	
Latitude	Temp (C)										mg/L	
	pH										ft Sp. Conductance (umho/cm)	
	Salinity (ppt)										ft m	
	Comments											
Location	Collection (comp begin or grab) Time										Bottle Group(s)	
Field ID	Matrix (type, e.g., Salt, Fresh, etc)										Eastern Central Date	
WIN/STORET #	Diss. Oxygen										mg/L Total Res. Chlorine	
Latitude	Temp (C)										mg/L	
	pH										ft Sp. Conductance (umho/cm)	
	Salinity (ppt)										ft m	
	Comments											
Location	Collection (comp begin or grab) Time										Bottle Group(s)	
Field ID	Matrix (type, e.g., Salt, Fresh, etc)										Eastern Central Date	
WIN/STORET #	Diss. Oxygen										mg/L Total Res. Chlorine	
Latitude	Temp (C)										mg/L	
	pH										ft Sp. Conductance (umho/cm)	
	Salinity (ppt)										ft m	
	Comments											

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
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