

Scott Lake_04242019 Algal Bloom Sample

Appendix A

RD 2019-03-11-20

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

WATERBODY SCOTT LAKE		DATE (M/D/Y): 4-24-19	TIME: (AM) 1010	Case ID#:
COUNTY: POLK	LOCATION: CENTER OF LAKE		NEAREST TOWN/CITY: LAKELAND	
Visit Type: SMP Initial ☐ Recon ☐ Sampling ☒ Follow-up ☐	Samples collected: ☒ yes ☐ no	Samples submitted to: CENTRAL LAB	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: ENTIRE LAKE		Impounded: ☐ yes ☒ no	Stream/River/Canal: ☐ m wide	
Lake/Estuary Typical depth 3.6 m deep	Inflows: ☒ yes ☐ no	Typical Transect: ☐ m deep ☐ m deep ☐ m deep		
Outflows: ☐ yes ☐ no	Water velocity: ☐ m/s ☐ m/s ☐ m/s			
Canopy Cover: Open: ☒ Lightly Shaded (11-45%): ☐ Moderately Shaded (46-80%): ☐ Heavily Shaded: ☐				
Description of Bloom/ Present Weather conditions Bloom throughout the entire Lake		Latitude: ☐ Degrees ☐ Minutes ☐ Seconds	Longitude: ☐ Degrees ☐ Minutes ☐ Seconds	
Print a map from GIS tool or Internet mapping service (e.g., Mapquest, Google Map)		Last rain event		
Sketch bloom area on the attached map. Indicate wind direction.		Rainfall amount		

Contains: 1:1 H2SO4
Lot No.: SA8344070
Expires: 12/10/19
See Safety Data Sheet (SDS)

Contains: 1:1 H2SO4
SULFURIC ACID 451%
7726-01-7
May be corrosive to metals. Causes severe skin burns and eye damage. May cause respiratory irritation. Do not breathe dusts and vapors. Avoid contact with skin and eyes. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Do not get inside clothing. Do not ingest. Do not eat, drink, or smoke while using this product. Do not use near open flames or heat. Do not mix with other chemicals. Do not pour down drain. Do not dispose of in water. Do not use in confined spaces. Do not use in areas where fire or explosion is a hazard. Do not use in areas where it may cause environmental damage. Do not use in areas where it may cause harm to aquatic life. Do not use in areas where it may cause harm to birds or other wildlife. Do not use in areas where it may cause harm to humans or other animals. Do not use in areas where it may cause harm to the environment. Do not use in areas where it may cause harm to the community. Do not use in areas where it may cause harm to the country. Do not use in areas where it may cause harm to the world.

WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):			Secchi (m)
Top	0.3	25.3	9.83	14.66	201.7			
Mid-depth	1.8	24.0	7.76	4.58	196.4			
Bottom	3.1	23.4	7.02	0.86	198.1			0.3
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: THIS LAKE HAS ALWAYS BEEN GREEN DURING SMP SAMPLING EVENTS. HOMEOWNER REPORTED DEAD MINNOWS BUT WE OBSERVED NO DEAD FISH ANYWHERE					Abundance: Periphyton ☐ Absent ☐ Rare ☐ Common ☐ Abundant ☒ Fish ☐ ☐ ☐ ☒ ☐ Aquatic Macrophytes ☐ ☐ ☐ ☒ ☐ Iron/sulfur Bacteria ☒ ☐ ☐ ☐ ☐			

VISIT TEAM: **Ben Paswater** AGENCY: **SWROC**

