

Appendix A

CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET (7-6-06 V2)																																											
WATERBODY <i>Withlacoochee River</i>			DATE (M/D/YY): <i>6/5/19</i>		TIME: (AM) <i>1320</i>		Case ID#:																																				
COUNTY: <i>Levy</i>			LOCATION: <i>Withlacoochee River</i>			NEAREST TOWN/CITY: <i>Ingalls</i>																																					
Visit Type: Initial ☒ Recon ☐ Sampling ☐ Follow-up ☐		Samples collected: ☒ yes ☐ no		Samples submitted to: <i>FOEP Tally</i>		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:			Impounded: ☒ yes ☐ no		Stream/River/Canal <i>20</i> m wide																																						
Lake/Estuary Typical depth <i> </i> m deep			Inflows: ☒ yes ☐ no		Typical Transect <i> </i> m deep <i>2.7</i> m deep <i> </i> m deep																																						
			Outflows: ☒ yes ☐ no		Water velocity <i> </i> m/s <i> </i> m/s <i> </i> m/s Left bank Middle Right bank																																						
Canopy Cover: Open: ☐ Lightly Shaded (11-45%): ☒ Moderately Shaded (46-80%): ☐ Heavily Shaded: ☐																																											
Description of Bloom/ Latitude <i> </i> Degrees <i> </i> Minutes <i> </i> Seconds Longitude <i> </i> Degrees <i> </i> Minutes <i> </i> Seconds																																											
Present Weather conditions																																											
Print a map from GIS tool or Internet mapping service (e.g., Mapquest, Google Map) Last rain event <i> </i>																																											
Sketch bloom area on the attached map. Indicate wind direction. Rainfall amount <i> </i>																																											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>WATER QUALITY</th> <th>Depth (m):</th> <th>Temp. (°C):</th> <th>pH (SU):</th> <th>D.O. (mg/l):</th> <th>Cond. (µmho/cm) or Salinity (ppt):</th> <th><i>DO%</i></th> <th><i>Sal</i></th> <th>Secchi (m)</th> </tr> </thead> <tbody> <tr> <td>Top</td> <td><i>0.3</i></td> <td><i>31.1</i></td> <td><i>8.84</i></td> <td><i>8.34</i></td> <td><i>290.5</i></td> <td><i>112.4</i></td> <td><i>0.14</i></td> <td rowspan="3"><i>2.1</i></td> </tr> <tr> <td>Mid-depth</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Bottom</td> <td><i>2.2</i></td> <td><i>31.1</i></td> <td><i>8.22</i></td> <td><i>8.29</i></td> <td><i>290.5</i></td> <td><i>111.9</i></td> <td><i>0.14</i></td> </tr> </tbody> </table>										WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):	<i>DO%</i>	<i>Sal</i>	Secchi (m)	Top	<i>0.3</i>	<i>31.1</i>	<i>8.84</i>	<i>8.34</i>	<i>290.5</i>	<i>112.4</i>	<i>0.14</i>	<i>2.1</i>	Mid-depth								Bottom	<i>2.2</i>	<i>31.1</i>	<i>8.22</i>	<i>8.29</i>	<i>290.5</i>	<i>111.9</i>	<i>0.14</i>
WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):	<i>DO%</i>	<i>Sal</i>	Secchi (m)																																			
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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 <i>White Film on surface</i>					Abundance: Absent Rare Common Abundant Periphyton ☐ ☐ ☒ ☐ Fish ☐ ☐ ☒ ☐ Aquatic Macrophytes ☐ ☒ ☐ ☐ Iron/sulfur Bacteria ☒ ☐ ☐ ☐																																						
VISIT TEAM: <i>Matthew Bearden - Mth BA</i> AGENCY: <i>SWROC</i>																																											

Appendix A

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

WATERBODY <i>Lake Rousseau</i>		DATE (M/D/YY): <i>6/5/19</i>	TIME: (AM) <i>1215</i>	Case ID#				
COUNTY: <i>Levy</i>	LOCATION: <i>Center of lake</i>		NEAREST TOWN/CITY: <i>12915</i>					
Visit Type: Initial ☒ Recon ☐ Sampling ☐ Follow-up ☐	Samples collected: ☒ yes ☐ no	Samples submitted to: <i>FDEP - Tallahassee</i>		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: <i>2.7</i> m deep		Impounded: ☒ yes ☐ no						
Lake/Estuary Typical depth <i>2.7</i> 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 Longitude						
Present Weather conditions		Degrees Minutes Seconds 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				
WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):	DO %	Sal	Secchi (m)
Top	<i>0.3</i>	<i>30.6</i>	<i>8.59</i>	<i>10.98</i>	<i>277.0</i>	<i>146.8</i>	<i>0.13</i>	<i>10</i>
Mid-depth								
Bottom	<i>2.7</i>	<i>29.0</i>	<i>7.87</i>	<i>7.30</i>	<i>302.5</i>	<i>95.0</i>	<i>0.14</i>	
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: ☐								
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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:					AGENCY:			

LAKE ROUSSEAU



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Site Name: Lake Rousseau Bloom Response

Request Number: RQ-2019-06-10-39

Florida Department of Environmental Protection

Page 1 of 2

Algal Bloom Response - as needed

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WQAP

Requester: Matthew Bearden

Field Report Prepared By: M. Bearden

Project ID: BLOOM-RESP

Collected By: M. Bearden

Sampling Agency: SAC RCR

Location		LAKE ROUSSEAU		☐ Comp ☒ Grab		Collection (comp begin or grab)	Time	☒ Eastern ☐ Central	Composite end	Time	Bottle Group(s)
Field ID		LAKE ROUSSEAU		Matrix (type, e.g., Salt, Fresh, etc)		6/5/19	2:15				(See pg 2)
WIN/		Fresh		Temp (C)		30.6	8.59				C, D
Latitude		Lake Rousseau Bloom Response		pH		0.13	0.3				
☐ dms ☐ dd		☐ dms ☐ dd		Salinity (ppt)		0.13	0.3				
Location		☐ Comp ☒ Grab		Collection (comp begin or grab)		6/5/19	1:30	☒ Eastern ☐ Central	Composite end	Time	Bottle Group(s)
Field ID		WITHLA. RVR BLOOM		Matrix (type, e.g., Salt, Fresh, etc)		6/5/19	1:30				A, B, C, D
WIN/STC		Fresh		Temp (C)		31.1	8.24				
Latitude		Withlacoochee River Bloom		pH		0.14	0.3				
☐ dms ☐ dd		☐ dms ☐ dd		Salinity (ppt)		0.14	0.3				
Location		☐ Comp ☐ Grab		Collection (comp begin or grab)				☐ Eastern ☐ Central	Composite end	Time	Bottle Group(s)
Field ID				Matrix (type, e.g., Salt, Fresh, etc)							
WIN/STORET #				Temp (C)							
Latitude				pH							
☐ dms ☐ dd		☐ dms ☐ dd		Salinity (ppt)							
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Field ID				Matrix (type, e.g., Salt, Fresh, etc)							
WIN/STORET #				Temp (C)							
Latitude				pH							
☐ dms ☐ dd		☐ dms ☐ dd		Salinity (ppt)							
Location		☐ Comp ☐ Grab		Collection (comp begin or grab)				☐ Eastern ☐ Central	Composite end	Time	Bottle Group(s)
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Latitude				pH							
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Latitude				pH							
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Latitude				pH							
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