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Author: E. Miller

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AB-17-1.7

CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET

(7-6-06 V2)

WATERBODY Blue Cypress Lake		DATE (M/D/YY): 6/15/18	TIME: (AM) 1153	Case ID#
COUNTY: Indian River County	LOCATION: Boat Ramp area		NEAREST TOWN/CITY: Fellsmere	
Visit Type: ☒ Initial ☐ Recon ☐ Sampling ☐ Follow-	Samples collected: ☒ yes ☐ no	Samples submitted to: FDEP Lab	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: None Seen		Impounded: ☐ yes ☒ no	Stream/River/Canal ☐ m wide	
Lake/Estuary Typical depth .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 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	
90's, clear		27.72647, -80.77587		
Present Weather conditions		Last rain event 6/7/18		
Print a map from GIS tool or Internet mapping service (e.g., Mapquest, Google Map)		Rainfall amount 1.16"		
Sketch bloom area on the attached map. Indicate wind direction.				

WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):	Secch (m)
Top	0.3	30.70	6.71	4.4	155	.6(5)
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: ☐ Globbs: ☐ Slick: ☐	
Water Clarity (check box): Clear: ☐ Slightly turbid: ☒ Turbid: ☐ Opaque: ☐	
Bloom Color (check box): Green: ☐ Red: ☐ Brown: ☐ Other: ☒ None witnessed	

Notes: Previous significant rain event 6/7/18 ~ 1.16"	Abundance:	Absent	Rare	Common	Abundant
	Periphyton	☐	☐	☒	☐
	Fish	☐	☐	☒	☐
	Aquatic Macrophytes	☐	☐	☐	☒
	Iron/sulfur Bacteria	☒	☐	☐	☐

VISIT TEAM:

AGENCY:

FDEP-CEROC**Mike Drennan, Leif Borman**

CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET

(7-6-06 V2)

WATERBODY <u>Blue Cypress Lake</u>		DATE (M/D/YY): <u>6/15/18</u>	TIME: (AM) <u>1053</u>	Case ID#:
COUNTY: <u>Indian River County</u>	LOCATION: <u>South Shore</u>		NEAREST TOWN/CITY: <u>Fellsmere</u>	
Visit Type: Initial ☒ Recon ☐ Sampling ☐ Follow-up ☐	Samples collected: ☒ yes ☐ no	Samples submitted to: <u>FDEP Lab</u>		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: <u>1 acre</u>		Impounded: ☐ yes ☒ no	Stream/River/Canal m wide	
Lake/Estuary Typical depth <u>2.1</u> m deep	Inflows: ☒ yes ☐ no	Typical Transect m deep		
Outflows: ☒ yes ☐ no	Water velocity 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 <u>90's, clear 27.6963, -80.7544</u>				
Print a map from GIS tool or Internet mapping service (e.g., Mapquest, Google Map)				Last rain event <u>6/7/18</u>
Sketch bloom area on the attached map. Indicate wind direction.				Rainfall amount <u>1.16"</u>

WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):	Secch(m)
Top	<u>0.3</u>	<u>29.50</u>	<u>7.01</u>	<u>6.32</u>	<u>160</u>	<u>.6</u>
Mid-depth						
Bottom	<u>1.6</u>	<u>29.05</u>	<u>6.91</u>	<u>5.69</u>	<u>168</u>	
System Type: Stream: ☐ (1st - 2nd order 3rd - 4th order) Lake: ☐ Wetland: ☐ Estuary: ☐ Other: ☐						
Water Odors (check box): Normal: ☒ Sewage: ☐ Petroleum: ☐ Chemical: ☐ Other: ☐						
Water Surface (check box): Clear: ☐ Scum: ☐ Globbs: ☒ (small) Slick: ☐						
Water Clarity (check box): Clear: ☐ Slightly turbid: ☒ Turbid: ☐ Opaque: ☐						
Bloom Color (check box): Green: ☒ Red: ☐ Brown: ☐ Other: ☐						
Notes: <u>Tonnix System, small green algae specks within photic-zone</u>				Abundance:		
				Absent	Rare	Common
Periphyton				☐	☐	☒
Fish				☐	☐	☒
Aquatic Macrophytes				☐	☐	☒
Iron/sulfur Bacteria				☒	☐	☐

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