

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

Site Name: Main Canal to 4th Ave

Date: 06/20/2019

Appendix A

CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET (7-6-08 V2)

WATERBODY Manatee River Canal		DATE (M/D/Y): 06/20/19	TIME: (AM) 1015	Case ID#				
COUNTY: Manatee	LOCATION: main canal b/w 4th Ave		NEAREST TOWN/CITY: Ellenton					
Visit Type: Initial ☐ Recon ☐ Sampling ☒ Follow-up ☐	Samples collected: ☒ yes ☐ no	Samples submitted to: FDEP		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: entire canal		Impounded: ☐ yes ☐ no						
Lake/Estuary Typical depth 2.0 m deep		Stream/River/Canal 15 m wide						
Inflows: ☒ yes ☐ no		Typical Transect m deep 2 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/ Latitude Longitude								
Present Weather conditions partly cloudy, 80s; bloom throughout water column								
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. wind from SW 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	0.3	29.8	8.53	11.70	22799	165.0	13.6	0.4
Mid-depth								
Bottom	1.5	29.8	8.39	10.57	22905	152.5	13.66	
System Type: Stream: ☐ (1st - 2nd order 3rd - 4th order) 5th - 6th order 7th order or greater Lake: ☐ Wetland: ☐ Estuary: ☐ Other: ☒ Canal								
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: Periphyton ☒ Absent ☐ Rare ☐ Common ☐ Abundant ☐ Fish ☒ Aquatic Macrophytes ☒ Iron/sulfur Bacteria ☒			
VISIT TEAM: reby callahan					AGENCY: FDEP SW POC			

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Site Name: Water Street Canal- Near Ellenton

Date: 06/20/2019

Appendix A

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

WATERBODY Waterstreet canal (Manatee River)		DATE (M/D/YY): 06/20/19	TIME: (AM) 1045	CASE ID#:
COUNTY: Manatee	LOCATION: middle of water street canal		NEAREST TOWN/CITY: Ellenton	
Visit Type: Initial ☐ Recon ☐ Sampling ☒ Follow-up ☐	Samples collected: ☒ yes ☐ no	Samples submitted to: FDEP	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>entire canal</u> Impounded: ☐ yes ☐ no				
Stream/River/Canal: <u>10</u> m wide				
Typical Transect: <u>1.4</u> m deep <u>1.4</u> m deep <u>1.4</u> m deep				
Water velocity: <u>1.4</u> m/s <u>1.4</u> m/s <u>1.4</u> m/s				

Canopy Cover: Open: ☐ Lightly Shaded (11-45%): ☒ Moderately Shaded (46-80%): ☐ Heavily Shaded: ☐
Description of Bloom/ Present Weather conditions <u>partly cloudy, 80s. Bloom through out water column</u>
Latitude: <u> </u> Longitude: <u> </u>
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. <u>wind from SW</u>

WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):	DO%:	Cond.:	Secchi (m)
Top	0.3	28.0	8.75	10.90	11.57	151.9	19551	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: ☒ canal	
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: Periphyton ☒ Fish ☒ Aquatic Macrophytes ☒ Iron/sulfur Bacteria ☒

VISIT TEAM: Kelby Callahan Jeff Callahan AGENCY: FDEP DEP SW ROC

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AB-17-1.10

Site Name: Ellenton Boat Ramp- Near Manatee River

Date: 06/20/2019

Appendix A

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

WATERBODY Manatee River		DATE (M/D/YY): 06/20/19	TIME: (AM) 1110	Case ID#:
COUNTY: Manatee	LOCATION: Ellenton Boat Ramp near boat ramp near Manatee River		NEAREST TOWN/CITY: Ellenton	
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: entire canal		Impounded: ☐ yes ☐ no	Stream/River/Canal: 10 m wide	
Lake/Estuary Typical depth: 2.0 m deep		Inflows: ☒ yes ☐ no	Typical Transect: 2.0 m deep	
Outflows: ☒ yes ☐ no		Water velocity: 2.0 m/s		
		Left bank: 2.0 m/s Middle: 2.0 m/s Right bank: 2.0 m/s		

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 partly cloudy, 80s. Bloom through out water column		
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. wind from SW		
Last rain event		
Rainfall amount		

WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):	Salinity (ppt)	Secchi (m)
Top	0.5	24.0	8.71	10-90	22253	155.5	0.4
Mid-depth						13.10	
Bottom	1.5	29.8	8.30	6.47	291009	10.6	
System Type: Stream: ☐ (1st - 2nd order 3rd - 4th order) 5th - 6th order 7th order or greater) Lake: ☐ Wetland: ☐ Estuary: ☐ Other: ☒ canal							
Water Odors (check box): Normal: ☒ Sewage: ☐ Petroleum: ☐ Chemical: ☐ Other: ☐							
Water Surface (check box): Clear: ☐ Scum: ☐ Glob: ☐ 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: Kelby Callahan	AGENCY: FDEP SW ROC
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Algal Bloom Response - as needed

**Florida Department of Environmental Protection
Central Laboratory Submittal Form**

Customer: WQAP

Project ID: BLOOM-RESP

Requester: Matthew Bearden

Collected By:

Field Report Prepared By:

Sampling Agency:

Location

Site Name: Main Canal to 4th Ave

Date: 06/20/2019

Site Name: Water Street Canal- Near Ellenton

Date: 06/20/2019

Site Name: Ellenton Boat Ramp- Near Manatee River

Date: 06/20/2019

[illegible]

Relinquished By:

Shipping Method

Acquired by	Date/Time
Matthew Bearden	10/20/2019
	1506

Number of Coolers Shipped:

Received By:

Date/Time

Group: A Bottle Type: PT-50ML # of Bottles: 5 Preservative: ICE Enter Number of Bottles Sent to Lab 3

BLOOM-ID

Group: B Bottle Type: BG-250ML-WDMT H # of Bottles: 5 Preservative: ICE Enter Number of Bottles Sent to Lab 3

W-MCYST-AA

Group: C Bottle Type: BP-1L # of Bottles: 5 Preservative: ICE Enter Number of Bottles Sent to Lab 3

CHLSUITE-W

Group: C Bottle Type: P-500ML # of Bottles: 5 Preservative: ICE And H2SO4 Enter Number of Bottles Sent to Lab 3

W-NH3
W-NO2NO3
W-S-A-TTP
W-TKN

Group: C Bottle Type: P-125ML # of Bottles: 5 Preservative: FILTER-ICE Enter Number of Bottles Sent to Lab 3

W-PO4-F

Group: D Bottle Type: BP-1L # of Bottles: 5 Preservative: Lugols Enter Number of Bottles Sent to Lab 3

DTY-QN-C
PKD-QN-C

Ref: Dep:

Date: 28May19
Wgt: 25.00 LBS

SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

DV:

Sves: PRIORITY OVERNIGHT
Master 4751 8780 1723
TRACK 4751 8780 1734