

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: WQAP

Requester: Matthew Bearden

Field Report Prepared By: M. Bearden

Project ID: BLOOM-RESP

Collected By: M. Bearden

Sampling Agency: SUD EOC

Location	☒ Comp ☐ Grab	Collection (comp begin or grab) Date 6/24/19 Time 11:15	☒ Eastern ☐ Central	Composite end Date	Time	Bottle Group(s) (See pg 2)
Field	Site Name: Cypress Creek Estates - Manatee River					
WIN	Date: 06/24/2019					
Latit	☐ dd ☐ dms	Temp (C) 32.0	pH 9.26	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 18581
Location	☒ Comp ☐ Grab	Collection (comp begin or grab) Date 6/24/19 Time 11:50	☒ Eastern ☐ Central	Composite end Date	Time	Bottle Group(s)
Field	Site Name: I-75 Bridge - Manatee River					
WIN	Date: 06/24/2019					
Latit	☐ dd ☐ dms	Temp (C) 32.0	pH 9.24	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 23588
Location	☒ Comp ☐ Grab	Collection (comp begin or grab) Date 6/24/19 Time 12:20	☒ Eastern ☐ Central	Composite end Date	Time	Bottle Group(s)
Field	Site Name: Riverpoint Dr - Manatee River					
WIN	Date: 06/24/2019					
Latit	☐ dd ☐ dms	Temp (C) 32.0	pH 8.91	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 30608
Location	☒ Comp ☐ Grab	Collection (comp begin or grab) Date 6/24/19 Time 12:45	☒ Eastern ☐ Central	Composite end Date	Time	Bottle Group(s)
Field	Site Name: Riviera Dunes Marina - Manatee River					
WIN	Date: 06/24/2019					
Latit	☐ dd ☐ dms	Temp (C) 32.0	pH 8.89	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 31008

Relinquished By: M. Bearden	Date/Time 6/24/19 16:30	Shipping Method Fed Ex	Number of Coolers Shipped: 2	Received By:	Date/Time
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Group: A	Bottle Type: BLOOM-ID	PT-50ML	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
Group: B	Bottle Type: W-MCYST-AA	BG-250ML-WDMT H	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 6	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	6
Group: C	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 6	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	6
Group: D	Bottle Type: DTY-QN-C PKD-QN-C	BP-1L	# of Bottles: 6	Preservative: Lugols	Enter Number of Bottles Sent to Lab	6

last revised Jan 25, 2018

(15) Kelby Callanor

8040

Location	Field	WIN	Lat.	Location	Field	WIN	Lat.	Location	Field	WIN	Lat.	Location	Field	WIN	Lat.	Location	Field	WIN	Lat.
Site Name: Point Pleasant Ave - Manatee River	Date: 06/24/2019			Site Name: Point Pleasant Ave - Manatee River	Date: 06/24/2019			Site Name: Point Pleasant Ave - Manatee River	Date: 06/24/2019			Site Name: Point Pleasant Ave - Manatee River	Date: 06/24/2019			Site Name: Point Pleasant Ave - Manatee River	Date: 06/24/2019		
Matrix (Type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Sample Depth	Diss. Oxygen	% sat	Total Res. Chlorine	Bottle Group(s)	Matrix (Type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Sample Depth	Diss. Oxygen	% sat	Total Res. Chlorine	Bottle Group(s)	Matrix (Type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Sample Depth
	33.1	8.44	0.3	10.00	100.0	39077	D		33.1	8.44	0.3	10.00	100.0	39077	D		33.1	8.44	0.3
Salinity (ppt)	24.65	Comments						Salinity (ppt)	24.65	Comments						Salinity (ppt)	24.65	Comments	
Comp	Collection (comp begin or grab)	Eastern Central	Composite end	Time				Comp	Collection (comp begin or grab)	Eastern Central	Composite end	Time				Comp	Collection (comp begin or grab)	Eastern Central	Composite end
Grab	Date 06/24/2019	Time 1315						Grab	Date 06/24/2019	Time 1315						Grab	Date 06/24/2019	Time 1315	
Matrix (Type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Sample Depth	Diss. Oxygen	% sat	Total Res. Chlorine	Bottle Group(s)	Matrix (Type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Sample Depth	Diss. Oxygen	% sat	Total Res. Chlorine	Bottle Group(s)	Matrix (Type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Sample Depth
	32.9	9.53	0.3	22.62	100.0	23999	A, B, C, D		32.9	9.53	0.3	22.62	100.0	23999	A, B, C, D		32.9	9.53	0.3
Salinity (ppt)	14.41	Comments						Salinity (ppt)	14.41	Comments						Salinity (ppt)	14.41	Comments	
Comp	Collection (comp begin or grab)	Eastern Central	Composite end	Time				Comp	Collection (comp begin or grab)	Eastern Central	Composite end	Time				Comp	Collection (comp begin or grab)	Eastern Central	Composite end
Grab	Date	Time						Grab	Date	Time						Grab	Date	Time	
Matrix (Type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Sample Depth	Diss. Oxygen	% sat	Total Res. Chlorine	Bottle Group(s)	Matrix (Type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Sample Depth	Diss. Oxygen	% sat	Total Res. Chlorine	Bottle Group(s)	Matrix (Type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Sample Depth
Salinity (ppt)		Comments						Salinity (ppt)		Comments						Salinity (ppt)		Comments	
Comp	Collection (comp begin or grab)	Eastern Central	Composite end	Time				Comp	Collection (comp begin or grab)	Eastern Central	Composite end	Time				Comp	Collection (comp begin or grab)	Eastern Central	Composite end
Grab	Date	Time						Grab	Date	Time						Grab	Date	Time	
Matrix (Type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Sample Depth	Diss. Oxygen	% sat	Total Res. Chlorine	Bottle Group(s)	Matrix (Type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Sample Depth	Diss. Oxygen	% sat	Total Res. Chlorine	Bottle Group(s)	Matrix (Type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Sample Depth
Salinity (ppt)		Comments						Salinity (ppt)		Comments						Salinity (ppt)		Comments	
Comp	Collection (comp begin or grab)	Eastern Central	Composite end	Time				Comp	Collection (comp begin or grab)	Eastern Central	Composite end	Time				Comp	Collection (comp begin or grab)	Eastern Central	Composite end
Grab	Date	Time						Grab	Date	Time						Grab	Date	Time	
Matrix (Type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Sample Depth	Diss. Oxygen	% sat	Total Res. Chlorine	Bottle Group(s)	Matrix (Type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Sample Depth	Diss. Oxygen	% sat	Total Res. Chlorine	Bottle Group(s)	Matrix (Type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Sample Depth
Salinity (ppt)		Comments						Salinity (ppt)		Comments						Salinity (ppt)		Comments	
Comp	Collection (comp begin or grab)	Eastern Central	Composite end	Time				Comp	Collection (comp begin or grab)	Eastern Central	Composite end	Time				Comp	Collection (comp begin or grab)	Eastern Central	Composite end
Grab	Date	Time						Grab	Date	Time						Grab	Date	Time	
Matrix (Type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Sample Depth	Diss. Oxygen	% sat	Total Res. Chlorine	Bottle Group(s)	Matrix (Type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Sample Depth	Diss. Oxygen	% sat	Total Res. Chlorine	Bottle Group(s)	Matrix (Type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Sample Depth
Salinity (ppt)		Comments						Salinity (ppt)		Comments						Salinity (ppt)		Comments	
Comp	Collection (comp begin or grab)	Eastern Central	Composite end	Time				Comp	Collection (comp begin or grab)	Eastern Central	Composite end	Time				Comp	Collection (comp begin or grab)	Eastern Central	Composite

Group: A	Bottle Type: BLOOM-ID	PT-50ML	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
Group: B	Bottle Type: W-MCYST-AA	BG-250ML-WDMT H	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 6	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	6
Group: C	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 6	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	6
Group: D	Bottle Type: DTY-QN-C PKD-QN-C	BP-1L	# of Bottles: 6	Preservative: Lugols	Enter Number of Bottles Sent to Lab	6

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

Site Name: Cypress Creek Estates - Manatee River

Date: 06/24/2019

Appendix A

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

WATERBODY: Manatee River		DATE (M/D/YY): 06/24/19	TIME: (AM) 1115	Case ID#:				
COUNTY: Manatee	LOCATION: Cypress Creek Estates - Manatee River		NEAREST TOWN/CITY: Bradenton					
Visit Type: Initial ☐ Recon ☐ Sampling ☒ Follow-up ☐	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: Lake/Estuary Typical depth: 1.2 m deep Inflows: ☐ yes ☐ no Outflows: ☐ yes ☐ no		Impounded: ☐ yes ☐ no Stream/River/Canal: _____ m wide Typical Transect: _____ m deep 1.2 m deep _____ m deep 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: Partly cloudy, low 90's 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. Winds WNW Last rain event _____ Rainfall amount _____								
WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):	7. DO	Salinity	Secchi (m)
Top	0.3	32.0	9.20	10.40	18581	239.3	10.90	0.2
Mid-depth								
Bottom								
System Type: Stream: ☒ 1st - 2nd 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: Periphyton ☒ Absent ☐ Rare ☒ Common ☐ Abundant ☐ Fish ☐ ☒ ☐ ☐ Aquatic Macrophytes ☐ ☐ ☒ ☐ Iron/sulfur Bacteria ☒ ☐ ☐ ☐			

VISIT TEAM:

AGENCY:

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

Site Name: I-75 Bridge - Manatee River
Date: 06/24/2019

Appendix A

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

WATERBODY Manatee River		DATE (M/D/YY): 06/24/19	TIME: (AM) 1150	Case ID#:				
COUNTY: Manatee	LOCATION: I-75 Bridge-Manatee River		NEAREST TOWN/CITY: Bradenton					
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: ☒ Specify								
Estimated size of bloom:		Impounded: ☐ yes ☐ no	Stream/River/Canal m wide					
Lake/Estuary Typical depth m deep	Inflows: ☒ yes ☐ no	Typical Transect m deep m deep m deep	Water velocity m/s m/s m/s					
Outflows: ☒ yes ☐ no		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 Partly cloudy, low 90s								
Print a map from GIS tool or Internet mapping service (e.g., Mapquest, Google Map) Winds WNW								
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):	DJY: 247.7	Salinity: 14.16	Secchi (m): 0.2
Top	0.3	32.0	9.74	10.50	23583			
Mid-depth		31.0		9.08				
Bottom	1.3	30.7	8.80	13.15	25100	134.1	15.13	
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: Periphyton ☒ Absent ☐ Rare ☒ Common ☐ Abundant ☐ Fish ☐ Aquatic Macrophytes ☐ Iron/sulfur Bacteria ☒						
VISIT TEAM:		AGENCY:						

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

Site Name: Riverpoint Dr - Manatee River
Date: 06/24/2019

Appendix A

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

WATERBODY Manatee River		DATE (M/D/YY): 06/24/19	TIME: (AM) 1220	Case ID#:			
COUNTY: Manatee	LOCATION: Riverpoint Dr-Manatee River	NEAREST TOWN/CITY: Bradenton					
Visit Type: Initial ☐ Recon ☐ Sampling ☒ Follow- ☐	Samples collected: ☒ yes ☐ no Sample collection method: Single Grab ☒ Grab Composite: ☐ Depth integrated composite: ☐	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: ☒ Specify							
Estimated size of bloom:		Impounded: ☐ yes ☐ no					
Lake/Estuary Typical depth 1.0 m deep		Stream/River/Canal ☐ m wide Typical Transect ☐ m deep 1.0 m deep ☐ m deep Water velocity ☐ m/s ☐ m/s ☐ m/s Left bank Middle Right bank					
Inflows: ☒ yes ☐ no Outflows: ☒ yes ☐ no							
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, low 90's							
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							
Wind WNW							
WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):	Salinity	Secchi (m)
Top	0.3	32.0	8.91	14.33	38008	215.8	18.83
Mid-depth							
Bottom							0.2
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:

AGENCY:

Site Name: Riviera Dunes Marina - Manatee River
Date: 06/24/2019

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

HERNO FISHER SCIENTIFIC
230 NORTH MAIN STREET
MILWAUKEE, WI 53233
TEL: 414-332-6565
FAX: 414-332-6571

Contains: 1,1,1-H2SO4

SULFURIC ACID <51%>

HAZARD
DANGER
7728-61-9
7726-01-7

May be harmful to metals. Causes severe skin burns and eye damage. Causes severe respiratory irritation. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Do not breathe dusts or mists. Do not get on clothing or body. If swallowed, seek medical attention immediately. If on skin or in eye, remove/flush off immediately. If contaminated clothing, rinse skin and remove clothing. Do not breathe dusts or mists. Do not breathe vapors or fumes. Keep away from heat. Keep as neat in a position comfortable for breathing. IF IN contact with water, it will produce a large amount of heat. Remove contact lenses, if present and easy to do. Continue rinsing. May cause severe skin irritation and burns. May cause a respiratory burn with a resultant inner lining.

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

Site Name: Point Pleasant Ave - Manatee River

Date: 06/24/2019

Appendix A

CYANOBACTERIA BLOOM RESPONSE FIELD D.

WATERBODY Manatee River		DATE (M/D/YY): 06/24/19	TIME: (AM) 1315	Case ID#:				
COUNTY: Manatee	LOCATION: Point Pleasant Ave - Manatee River		NEAREST TOWN/CITY: Bradenton					
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								
Stream/River/Canal: 1.9 m wide								
Typical Transect: ☐ m deep ☐ m deep ☐ m deep								
Water velocity: ☐ m/s ☐ m/s ☐ m/s								
Lake/Estuary Typical depth: ☐ m deep								
Inflows: ☒ yes ☐ no								
Outflows: ☒ yes ☐ no								
Canopy Cover: Open: ☒ Lightly Shaded (11-45%): ☐ Moderately Shaded (46-80%): ☐ Heavily Shaded: ☐								
Description of Bloom/								
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.								
Winds WSW								
Last rain event								
Rainfall amount								
WATER QUALITY								
Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):	% DO	Salinity	Secchi (m)	
Top	0.3	33.1	8.44	10.08	390.77	1100.0	24.65	0.7
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: ☐								
Notes: Bloom less severe at site compared to others sampled today.								
Abundance:								
Periphyton: ☒ Absent ☐ Rare ☐ Common ☐ Abundant ☐								
Fish: ☐ Absent ☐ Rare ☐ Common ☐ Abundant ☐								
Aquatic Macrophytes: ☐ Absent ☐ Rare ☐ Common ☐ Abundant ☐								
Iron/sulfur Bacteria: ☒ Absent ☐ Rare ☐ Common ☐ Abundant ☐								
VISIT TEAM:								
AGENCY:								

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

Site Name: Poinsettia Ave- Manatee River
Date: 06/24/2019

Appendix A

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

WATERBODY Manatee River		DATE (M/D/YY): 06/24/19	TIME: (AM) 1400	Case ID#:				
COUNTY: Manatee	LOCATION: Poinsettia Ave- Manatee River	NEAREST TOWN/CITY: Bradenton						
Visit Type: ☐ Initial ☐ Recon ☒ Sampling ☐ Follow-	Samples collected: ☒ yes ☐ no	Samples submitted to:	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: ☒ Specify								
Estimated size of bloom:		Impounded: ☐ yes ☐ no	Stream/River/Canal m wide					
Lake/Estuary Typical depth m deep	Inflows: ☒ yes ☐ no	Typical Transect m deep 1.3 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):	%DO	Salinity	Secchi (m)
Top	1.3	32.9	9.53	22.02	25999	340.0	14.91	
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: ☐								
Notes					Abundance:			
					Periphyton ☐ Absent ☐ Rare ☐ Common ☐ Abundant ☐			
					Fish ☐			
					Aquatic Macrophytes ☐			
					Iron/sulfur Bacteria ☐			

VISIT TEAM:

AGENCY:

