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

WATERBODY	DATE (M/D/YY):	TIME: (AM)	Case ID#:
Bimini Bay	5/9/18	1040	

COUNTY:	LOCATION:	NEAREST TOWN/CITY:
Manatee	Anna Maria Island Canal	Anna Maria

Visit Type: Initial ☑ Recon ☐ Sampling ☐ Follow- ☐

Samples collected: ☒ yes ☐ no

Samples submitted to: FDEP & FWRI

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

Lake/Estuary Typical depth: 4.0 m deep

Inflows: ☒ yes ☐ no

Outflows: ☒ yes ☐ no

Stream/River/Canal: m wide

Typical Transect: m deep | m deep | m deep

Water velocity: m/s | m/s | m/s

Left bank | Middle | Right bank

SAS2740502

Canopy Cover: Open: ☒ Lightly Shaded (11-45%): ☐ Moderately Shaded (46-80%): ☐ Heavily Shaded: ☐

Description of Bloom/ Present Weather conditions

Latitude: Degrees | Minutes | Seconds

Longitude: Degrees | Minutes | Seconds

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%	Sal	Secch(m)
Top	0.3	27.7	8.15	7.60	51854	116.2	34.02	1.2
Mid-depth	/	/	/	/	/	/	/	
Bottom	3.5	27.5	8.15	7.00	51834	107.6	34.0	

TD = 4.0

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: ☐ Globs: ☒ Slick: ☐

Water Clarity (check box): Clear: ☐ Slightly turbid: ☒ Turbid: ☐ Opaque: ☐

Bloom Color (check box): Green: ☐ Red: ☐ Brown: ☒ Other: ☐

Notes: Filamentous samples collected & dropped off @ FWRI

Abundance:	Absent	Rare	Common	Abundant
Periphyton	☐	☐	☐	☐
Fish	☐	☐	☒	☐
Aquatic Macrophytes	☐	☐	☒	☐
Iron/sulfur Bacteria	☒	☐	☐	☐

VISIT TEAM:

AGENCY:

Hannah Sprinkle
Hannah

5/9/2019

Appendix A

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

WATERBODY	DATE (M/D/YY):	TIME: (AM)	Case ID#:
Grassy Point Bayou	5/9/2019	1125	

COUNTY:	LOCATION:	NEAREST TOWN/CITY:
Manatee	Holmes Beach	Anna Maria

Visit Type: Initial ☒ Recon ☐ Sampling ☐ Follow- ☐

Samples collected: ☒ yes ☐ no
Samples submitted to: FDEP + FWRI
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

Lake/Estuary Typical depth: 0.8 m deep
Inflows: ☒ yes ☐ no
Outflows: ☒ yes ☐ no

Stream/River/Canal ______ m wide
Typical Transect ______ m deep ______ 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/
Present Weather conditions

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 ______

WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (umho/cm) or Salinity (ppt):	Cond	DO %	Secchi (m)
Top	0.3	27.6	8.12	8.62	34.94	53072	133.5	0.8
Mid-depth	/	/	/	/	/	/	/	
Bottom	/	/	/	/	/	/	/	

tcl = 0.8

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: ☐ Globs: ☒ Slick: ☐

Water Clarity (check box): Clear: ☐ Slightly turbid: ☒ Turbid: ☐ Opaque: ☐

Bloom Color (check box): Green: ☐ Red: ☐ Brown: ☒ Other: ☐ ______

Notes: FILAMENTOUS SAMPLES COLLECTED & DROPPED OFF @ FWRI

Abundance:	Absent	Rare	Common	Abundant
Periphyton	☐	☐	☐	☒
Fish	☐	☐	☒	☐
Aquatic Macrophytes	☐	☐	☒	☐
Iron/sulfur Bacteria	☒	☐	☐	☐

VISIT TEAM: | AGENCY: |

Hannah Sprinkle H Sprinkle 5/9/2019

Contains: 1:1 H2S04
Lot No.: SA8274050
Expires: 10/01/19
See Safety Data Sheet (SDS)

SULFURIC ACID <51%
DANGER

Appendix A

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

WATERBODY	DATE (M/D/YY):	TIME: (AM)	Case ID#:
Palma Sola Bay	05/09/2019	1220	

COUNTY:	LOCATION:	NEAREST TOWN/CITY:
Manatee	Palma Sola Bay	Anna Maria

Visit Type: Initial [X] Recon [ ] Sampling [ ] Follow- [ ]

Samples collected: [X] yes [ ] no

Samples submitted to: FDEP + FWRI

Photos Taken: [ ] yes [ ] no

Sample collection method: Single Grab: [X] Grab Composite: [ ] Depth integrated composite: [ ]

Sample & Analysis types: Aqueous: [X] Surface Scum: [ ] Benthic mat: [ ] Tissue: [ ]

Algal ID & enumeration: [X] Nutrients: [X] Chl-a: [X] AGP: [ ] Turbidity: [X] Toxin: [ ] _____ Specify

Estimated size of bloom: Impounded: [ ] yes [ ] no

Lake/Estuary Typical depth: 3.0 m deep Inflows: [X] yes [ ] no Outflows: [X] yes [ ] no

Stream/River/Canal: _____ m wide

Typical Transect: _____ m deep (Left bank) _____ m deep (Middle) _____ m deep (Right bank)

Water velocity: _____ m/s (Left bank) _____ m/s (Middle) _____ m/s (Right bank)

Canopy Cover: Open: [X] Lightly Shaded (11-45%): [ ] Moderately Shaded (46-80%): [ ] Heavily Shaded: [ ]

Description of Bloom/ Present Weather conditions

Latitude: _____ Degrees _____ Minutes _____ Seconds

Longitude: _____ Degrees _____ Minutes _____ Seconds

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. (umho/cm) or Salinity (ppt):	cond	DO %	Secchi (m)
Top	0.3	27.9	8.09	6.27	34.95	53086	97.2	1.2
Mid-depth								
Bottom	2.5	27.6	8.07	6.61	35.09	53274	102.0	

System Type: Stream: [ ] (1st - 2nd order, 3rd - 4th order, 5th - 6th order, 7th order or greater) Lake: [ ] Wetland: [ ] Estuary: [X] Other: [ ] _____

Water Odors (check box): Normal: [X] Sewage: [ ] Petroleum: [ ] Chemical: [ ] Other: [ ] _____

Water Surface (check box): Clear: [ ] Scum: [ ] Globs: [X] Slick: [ ]

Water Clarity (check box): Clear: [ ] Slightly turbid: [X] Turbid: [ ] Opaque: [ ]

Bloom Color (check box): Green: [ ] Red: [ ] Brown: [X] Other: [ ] _____

Notes: Filamentous samples collected and dropped off @ FWRI

Abundance:	Absent	Rare	Common	Abundant
Periphyton	[ ]	[ ]	[ ]	[X]
Fish	[ ]	[ ]	[X]	[ ]
Aquatic Macrophytes	[ ]	[ ]	[X]	[ ]
Iron/sulfur Bacteria	[X]	[ ]	[ ]	[ ]

VISIT TEAM: Hannah Sprinkle HSprinkle

AGENCY:

5/9/2019

Contains: 1:1 H2SO4
Lot No.: SA8274050
Expires: 10/01/19
See Safety Data Sheet (SDS)

SULFURIC ACID <51%

Td=3.0