

Customer: WQAP

Requester: Matthew Bearden

Field Report Prepared By: M. Bearden

Project ID: BLOOM-RESP

Collected By: M. Bearden, H. Sprinkle

Sampling Agency: SAC ROC

Location	TREASURE ISLAND		☐ Comp	Collection (comp begin or grab)	Time	Composite end	Time	Bottle Group(s)
Field ID			☒ Grab	Date 5/29/19	Time 1135	Central	Date	(See pg 2)
WIN#	Treasure Island Bloom Response		Matrix (type, e.g., Salt, Fresh, etc)	Salt		Diss. Oxygen 6.74	☒ % sat	4, B,
Latitude	☐ dd ☐ dms	Longitude	Temp (C) 29.81	pH 8.01	Sample Depth 0.3	☒ ft ☐ m	Sp. Conductance 52936	C, D
Loc#	SAFETY HARBOR		☐ Comp	Collection (comp begin or grab)	Time 1325	Composite end	Time	Bottle Group(s)
Field ID			☒ Grab	Date 5/29/19	Time 1325	Central	Date	A, B,
WIN#	Safety Harbor Bloom Response		Matrix (type, e.g., Salt, Fresh, etc)	Salt		Diss. Oxygen 9.05	☒ % sat	C, D
Latitude	☐ dd ☐ dms	Longitude	Temp (C) 30.35	pH 8.26	Sample Depth 0.3	☒ ft ☐ m	Sp. Conductance 35413	
Location			☐ Comp	Collection (comp begin or grab)	Time	Composite end	Time	Bottle Group(s)
Field ID			☐ Grab	Date	Time	Central	Date	
WINSTORET #			Matrix (type, e.g., Salt, Fresh, etc)			Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine
Latitude	☐ dd ☐ dms	Longitude	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Location			☐ Comp	Collection (comp begin or grab)	Time	Composite end	Time	Bottle Group(s)
Field ID			☐ Grab	Date	Time	Central	Date	
WINSTORET #			Matrix (type, e.g., Salt, Fresh, etc)			Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine
Latitude	☐ dd ☐ dms	Longitude	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Location			☐ Comp	Collection (comp begin or grab)	Time	Composite end	Time	Bottle Group(s)
Field ID			☐ Grab	Date	Time	Central	Date	
WINSTORET #			Matrix (type, e.g., Salt, Fresh, etc)			Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine
Latitude	☐ dd ☐ dms	Longitude	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Location			☐ Comp	Collection (comp begin or grab)	Time	Composite end	Time	Bottle Group(s)
Field ID			☐ Grab	Date	Time	Central	Date	
WINSTORET #			Matrix (type, e.g., Salt, Fresh, etc)			Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine
Latitude	☐ dd ☐ dms	Longitude	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	

Relinquished By: M. Bearden

Date/Time 5/29/19 1600

Shipping Method Fed Ex

Number of Coolers Shipped: 1

Received By:

Date/Time

Ref: Dep:

Date: 06May19
Wgt: 35.00 LBS

DV:

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

Svcs: PRIORITY OVERNIGHT

Master 4751 8779 3743
TRCK: 4751 8779 3754

Group: A	Bottle Type:	PT-50ML	# of Bottles:	2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	BLOOM-ID							
Group: B	Bottle Type:	BG-250ML-WDMTH	# of Bottles:	2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	W-MCYST-AA							
Group: C	Bottle Type:	BP-1L	# of Bottles:	2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W							
Group: C	Bottle Type:	P-500ML	# of Bottles:	2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
	W-NH3							
	W-NO2NO3							
	W-S-A-TP							
	W-TKN							
Group: C	Bottle Type:	P-125ML	# of Bottles:	2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	2
	W-PO4-F							
Group: D	Bottle Type:	BP-1L	# of Bottles:	2	Preservative:	Lugols	Enter Number of Bottles Sent to Lab	2
	DTY-QN-C							
	PKD-QN-C							

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

TREASURE ISLAND



Site Name: Treasure Island Bloom Response

Appendix A

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

WATERBODY Boca Ciega		DATE (M/D/Y): 05/29/19	TIME: (AM) 1135	Case ID#:				
COUNTY: Pinellas	LOCATION: Treasure Island - 1st Capri Canal		NEAREST TOWN/CITY: Treasure Island					
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:		Impounded: ☐ yes ☒ no	Stream/River/Canal ☐ m wide					
Lake/Estuary Typical depth 4.0 m deep		Inflows: ☐ yes ☐ no	Typical Transect ☐ m deep ☐ 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								
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	0.3	29.81	8.01	6.74	52936	107.6	34.76	0.9
Mid-depth						107.8		
Bottom	3.5	29.40	8.03	6.79	53035	34.85	34.85	
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: ☒ filamentous						
Notes		Abundance: Absent Rare Common Abundant						
		Periphyton ☐ ☒ ☐ ☐						
		Fish ☐ ☐ ☒ ☐						
		Aquatic Macrophytes ☐ ☐ ☐ ☐						
		Iron/sulfur Bacteria ☒ ☐ ☐ ☐						
VISIT TEAM:		AGENCY:			SWROC 8040			

Hannah Sprinkle

Math Bearden



Site Name: Safety Harbor Bloom Response

Appendix A

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

WATERBODY OLD Tampa Bay		DATE (M/D/YY): 05/29/19	TIME: (AM) 1325	Case ID#:				
COUNTY: Pinellas	LOCATION: Safety Harbor pier		NEAREST TOWN/CITY: Safety Harbor					
Visit Type: Initial ☒ Recon ☐ Sampling ☐ Follow-up ☐	Samples collected: ☒ yes ☐ no	Samples submitted to: FDEP - Tallahassee	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: 0.9 m deep		Impounded: ☐ yes ☒ no	Stream/River/Canal Typical Transect Water velocity Left bank: ☐ m/s Middle: ☐ m/s Right bank: ☐ m/s					
Lake/Estuary Typical depth 0.9 m deep		Inflows: ☐ yes ☐ no Outflows: ☐ yes ☐ no	Specify					
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) 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 %	Salinity	Secchi (m)
Top	0.3	30.35	8.26	9.05	35413	136.0	22.18	0.9 "S"
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: ☐ Globs: ☒ Slick: ☐ ALGAL								
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:

Hannah Sprinkle
Matt Bearden

AGENCY:

SWROC **8040**