

AB-17-1.7

(7-6-06 V2)

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	19.7	8.37	11.34	4480/240	125.1	2.40	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: ☐								
Water Odors (check box): Normal: ☐ Sewage: ☐ Petroleum: ☐ Chemical: ☐ Other: ☒ DECA								
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 Periphyton ☐ ☐ ☐ ☐ Fish ☐ ☒ ☐ ☐ Aquatic Macrophytes ☐ ☐ ☒ ☐ Iron/sulfur Bacteria ☒ ☐ ☐ ☐			

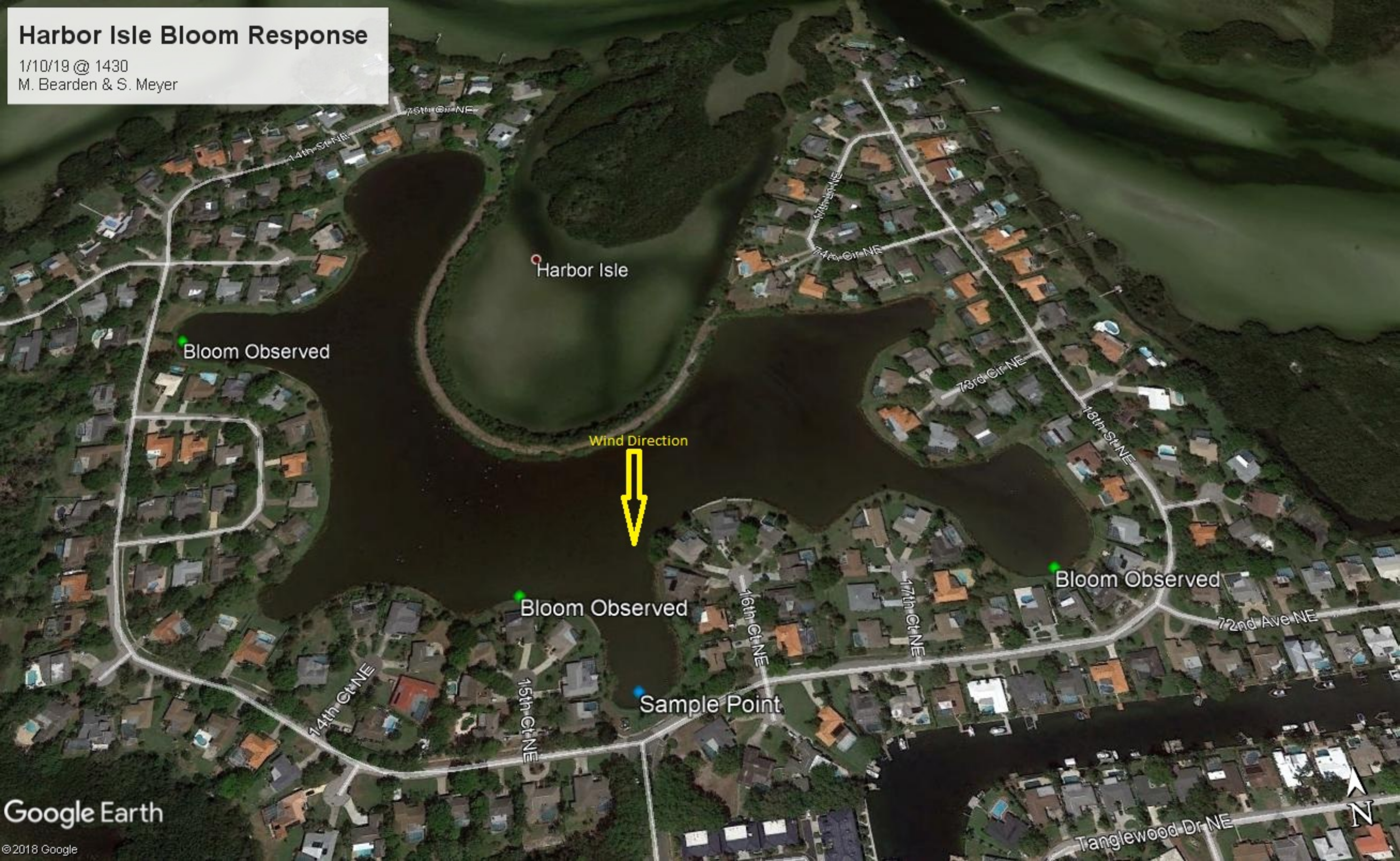
SIT TEAM:

Matthew Bearden - mat	AGENCY	FDEP-SW ROC
Sarah Meyer		

[illegible]

Harbor Isle Bloom Response

1/10/19 @ 1430
M. Bearden & S. Meyer



Algal Bloom Response - As needed

last revised Jan 25, 2018

Customer: SW-DIST

Requester: Matthew Bearden

Field Report Prepared By: M. Bearden

Project ID: BLOOM-RESP

Collected By: M. Bearden

Sampling Agency: SAJ RAC

Location	Field ID/WIN	HARBOR ISLE		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Comp	Date	Time	Date	Time	
				Grab					
WIN/STORE	Site Name: Harbor Isle Algal Bloom Response			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine		
				Fresh		11.34	A, B, C, D		
				pH		12.51			
				Temp (C)		8.37	Sp. Conductance		
				Salinity (ppt)		0.3	(umho/cm) 4480		
				dd dms					
				dd dms					
Location				Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Comp	Date	Time	Date	Time	
				Grab					
				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine		
WIN/STORE #				pH			Sp. Conductance		
							(umho/cm)		
Latitude				Temp (C)					
				Salinity (ppt)					
				dd dms					
				dd dms					
Location				Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Comp	Date	Time	Date	Time	
				Grab					
				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine		
WIN/STORE #				pH			Sp. Conductance		
							(umho/cm)		
Latitude				Temp (C)					
				Salinity (ppt)					
				dd dms					
				dd dms					
Location				Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Comp	Date	Time	Date	Time	
				Grab					
				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine		
WIN/STORE #				pH			Sp. Conductance		
							(umho/cm)		
Latitude				Temp (C)					
				Salinity (ppt)					
				dd dms					
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Location				Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Comp	Date	Time	Date	Time	
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WIN/STORE #				pH			Sp. Conductance		
							(umho/cm)		
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				Salinity (ppt)					
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Location				Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID				Comp	Date	Time	Date	Time	
				Grab					
				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine		
WIN/STORE #				pH			Sp. Conductance		
							(umho/cm)		
Latitude				Temp (C)					
				Salinity (ppt)					
				dd dms					
				dd dms					

Relinquished By: M. Bearden	Date/Time: 1/10/19 16:10	Shipping Method: Fed Ex	Number of Coolers Shipped: 1	Received By:	Date/Time
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Group:	Bottle Type:	PT-50ML	# of Bottles:	4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: A	BLOOM-ID						1
Group: B	Bottle Type:	BG-500ML-WDMT H	# of Bottles:	4	Preservative:	ICE	Enter Number of Bottles Sent to Lab 1
Group: C	CHLSUITE-W						
Group: C	Bottle Type:	BP-1L	# of Bottles:	4	Preservative:	ICE	Enter Number of Bottles Sent to Lab 1
Group: C	Bottle Type:	P-500ML	# of Bottles:	4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab 1
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
Group: C	Bottle Type:	P-125ML	# of Bottles:	4	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab 1
	W-PO4-F						
Group: D	Bottle Type:	BP-1L	# of Bottles:	4	Preservative:	Lugols	Enter Number of Bottles Sent to Lab 1
	DTY-QN-C						
	PKD-QN-C						

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this page.

Meter ID: Chewy

RQ:

Project: Algal Response

- Notes: (1) Always wait for meter to stabilize before recording any readings.
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 11/26/2018

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	S Meyer	11/10/19	10:37	23.8	8.450	8.50	100.7		1.012	P/F	L/F
ICV			10:38	24.0	8.418	8.48	100.8			P/F	L/F
CCV	F. Faria		15:49	20.1	9.4	9.28	102.5			P/F	L/F
CCV					9.07	9.28				P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	S Meyer	11/10/19	10:53	2804542	03/2020	10000	10100	P/F	L/F
ICV			10:55	2810946	09/2020	100	98.7	P/F	L/F
CCV	F. Faria		15:57	2810903	10/2020	5000	4947	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	S Meyer	11/10/19	11:01	183273	05/2020	7.0	7.01	-34.7	P/F	L/F
Calibr.			11:03	184124	07/2020	4.0	4.00	128.8	P/F	L/F
Calibr.			11:06	178540	12/2019	10.0	10.02	-212.4	P/F	L/F
ICV			11:07	178540	12/2019	10.0	10.04	-212.8	P/F	L/F
CCV	F. Faria		16:03	183273	08/20	7.0	6.87		P/F	L/F
CCV									P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 211.7 , slope from 4 to 7 163.5 (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air						P/F	L/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: