

CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET

(7-6-06 V2)

WATERBODY NAME: Staunton Canal		DATE (M/D/Y): 5/13/19	TIME: (AM) (PM) 10:20	Case ID#: SDD51319-001
LOCATION: St Paul + Staunton		COUNTY: Charlotte	NEAREST TOWN/CITY: Pineville	
Visit Type: Initial ☐ Recon ☐ Sampling ☒ Follow-up ☐	Samples collected: ☒ yes ☐ no	Samples submitted to: FLDEP LAB		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: ☒ Microcystis Specify				
Estimated size of bloom:		Impounded: ☒ yes ☐ no	Stream/River/Canal: 30 m wide	
Lake/Estuary Typical depth: Inflows: ☒ yes ☐ no Outflows: ☒ yes ☐ no		Typical Transect: 0.2 m deep ☐ 3 m deep ☐ 0.2 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: Degrees Minutes Seconds 26.8844982		Longitude: Degrees Minutes Seconds -82.1905201	
Present Weather conditions				
Last rain event				
Rainfall amount				
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.				

WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):	Secchi (m)
Top	0.3	29.9	8.45	7.83	3508	0.5
Mid-depth						
Bottom	0.5					
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: ☐ Opaque: ☐						
Bloom Color (check box): Green: ☒ Red: ☐ Brown: ☐ Other: ☐						
Notes		Abundance: Periphyton: ☐ Absent ☐ Rare ☒ Common ☐ Abundant Fish: ☐ ☐ ☐ ☒ Aquatic Macrophytes: ☐ ☐ ☐ ☒ Iron/sulfur Bacteria: ☒ ☐ ☐ ☐				

VISIT TEAM:

Chris Carley Kirby Wille AGENCY: **SRAC**

CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET

(7-6-06 V2)

WATERBODY NAME: Lemon Bay		DATE (M/D/Y): 5/13/19	TIME: (AM) (PM) 1150	Case ID#: SD051319-002
COUNTY: Charlotte	LOCATION: Tom Adams Bridge		NEAREST TOWN/CITY: Englewood	
Visit Type: Initial ☐ Recon ☐ Sampling ☒ Follow-up ☐	Samples collected: ☒ yes ☐ no		Samples submitted to: FLDEP LAB	
Sample collection method: Single Grab: ☒ Grab Composite: ☐ Depth integrated composite: ☐		Photos Taken: ☒ yes ☐ no		
Sample & Analysis types: Aqueous: ☐ Surface Scum: ☐ Benthic mat: ☒ Tissue: ☐				
Algal ID & enumeration: ☒ Nutrients: ☒ Chl-a: ☒ AGP: ☒ Turbidity: ☒ Toxin: ☒ Myxist Specify				
Estimated size of bloom: Lake/Estuary Typical depth: 6 m deep		Impounded: ☐ yes ☐ no		
Inflows: ☒ yes ☐ no		Stream/River/Canal: 90 m wide		
Outflows: ☐ yes ☐ no		Typical Transect: 0.2 m deep 8 m deep 0.2 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: 26.93518771	
		Longitude: -82.35191966	
Present Weather conditions			
Last rain event			
Rainfall amount			
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.			

WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):	541	DD9	Secchi (m)
Top	0.3	29.7	8.04	5.6	53224	34.96	95.2	1.4
Mid-depth	1.1	29.6	8.08	5.68	53239	34.99	90.5	
Bottom	1.6							
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: ☐ Globes: ☒ Slick: ☐								
Water Clarity (check box): Clear: ☒ Slightly: ☐ Turbid: ☐ Opaque: ☐								
Bloom Color (check box): Green: ☐ Red: ☐ Brown: ☒ Other: ☐								
Notes					Abundance: Periphyton ☐ Fish ☐ Aquatic Macrophytes ☐ Iron/sulfur Bacteria ☒			
					Absent Rare Common Abundant ☐ ☐ ☒ ☐			

VISIT TEAM:

Chase Conley, Ruby Wolfe

AGENCY:

State

CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET

(7-6-06 V2)

WATERBODY NAME: Lemon Bay		DATE (M/D/Y): 5/13/19	TIME: (AM) (PM): 1230	Case ID#: SD051319-003
LOCATION: Manasota Beach Park		COUNTY: Sarasota	NEAREST TOWN/CITY: Manasota	
Visit Type: Initial ☐ Recon ☐ Sampling ☒ Follow-up ☐	Samples collected: ☒ yes ☐ no	Samples submitted to: FLDEP LAB		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: ☒ mgsc				
Estimated size of bloom:		Impounded: ☐ yes ☒ no	Stream/River/Canal: 110 m wide	
Lake/Estuary Typical depth: 6 m deep		Inflows: ☒ yes ☐ no	Typical Transect: 0.2 m deep 6 m deep 0.2 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: _____ Longitude: _____
Degrees Minutes Seconds Degrees Minutes Seconds

Present Weather conditions

27.01001534**-82.41083425**

Last rain event _____

Print a map from GIS tool or Internet mapping service (e.g., Mapquest, Google Map)

Rainfall amount _____

Sketch bloom area on the attached map. Indicate wind direction.

WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):	SAL	Secchi (m)
Top	0.3	30.0	7.97	4.45	51639	33.75	70.2
Mid-depth							
Bottom	1.1						1.1
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: ☐ Glob: ☐ Slick: ☐							
Water Clarity (check box): Clear: ☒ Slightly: ☐ Turbid: ☐ Opaque: ☐							
Bloom Color (check box): Green: ☐ Red: ☐ Brown: ☐ Other: ☐							
Notes:					Abundance:		
					Absent	Rare	Common
					☐	☐	☒
					☐	☐	☒
					☐	☐	☒
					☒	☐	☐

VISIT TEAM:

Chase Carley, Kirby Wolfe

AGENCY:

SRA

CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET

(7-6-06 V2)

WATERBODY NAME: Little Sachsetts Bay		DATE (M/D/Y): 5/13/19	TIME: (AM) (PM): 1310	Case ID#: SD051319-004
LOCATION: Albee Rd Bridge Casey Key Bridge		COUNTY: Sachsetts	NEAREST TOWN/CITY: Ostree	
Visit Type: Initial ☐ Recon ☐ Sampling ☒ Follow-up ☐	Samples collected: ☒ yes ☐ no	Samples submitted to: FLDEP LAB		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: ☒ my set				
Estimated size of bloom:		Impounded: ☐ yes ☒ no	Stream/River/Canal: 100 m wide	
Lake/Estuary Typical depth: Inflows: ☒ yes ☐ no Outflows: ☒ yes ☐ no		Typical Transect: 0.2 m deep 8.0 m deep 0.2 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: Degrees Minutes Seconds Longitude: Degrees Minutes Seconds

Present Weather conditions: **27.12524848** **-82.46972775**

Last rain event

Print a map from GIS tool or Internet mapping service (e.g., Mapquest, Google Map)

Rainfall amount

Sketch bloom area on the attached map. Indicate wind direction.

WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):	P107, S11		Secchi (m)	
Top	0.2	29.8	7.76	7.83	5312.1	124.1	39.9	0.3 LOB	
Mid-depth									
Bottom	0.3								
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: ☐ Glob: ☐ Slick: ☐									
Water Clarity (check box): Clear: ☒ Slightly: ☐ 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:

Chase Conley, Kirby Wolf

AGENCY:

SDOC

SL

CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET

(7-6-06 V2)

WATERBODY NAME: Little Sarasota Bay		DATE (M/D/Y): 5/13/19	TIME: (AM) (PM) 1340	Case ID#: SD051319-005
LOCATION: Blackburn Point Bridge		COUNTY: Sarasota	NEAREST TOWN/CITY: Sarasota	
Visit Type: Initial ☐ Recon ☐ Sampling ☒ Follow-up ☐	Samples collected: ☒ yes ☐ no	Samples submitted to: FL DEP LAB		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: ☒ Myxoc Specify				
Estimated size of bloom:		Impounded: ☐ yes ☒ no	Stream/River/Canal: 80 m wide	
Lake/Estuary Typical depth: ☐ m deep		Inflows: ☒ yes ☐ no	Typical Transect: 0.2 m deep 6.0 m deep 0.2 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 **27.17929622 -82.4933718**

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.

WATER QUALITY	Depth (m):	Temp. (°C) :	pH (SU) :	D.O. (mg/l) :	Cond. (µmho/cm) or Salinity (ppt):	SAI	DDP	Secchi (m)
Top	0.3	30.2	8.26	8.79	53106	34.87	140.9	1.1 DOB
Mid-depth								
Bottom	1.1							
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: ☐ Opaque: ☐								
Bloom Color (check box): Green: ☐ Red: ☐ Brown: ☐ Other: ☐								
Notes					Abundance:			
					Absent Rare Common Abundant			
					Periphyton ☐ ☐ ☒ ☒			
					Fish ☐ ☐ ☐ ☒			
					Aquatic Macrophytes ☐ ☐ ☐ ☒			
					Iron/sulfur Bacteria ☒ ☐ ☐ ☐			

VISIT TEAM:

Chase Conley, Kirby Wolke AGENCY: **SRAC**

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

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

Meter ID: Pro Move

RQ: 2019-05-06-69

Project: Algae

- 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.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification _____

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Chase Conley	5/13/19	0814	24.8	753.9	8.24	8.23	99.2			P/F	L/F
ICV	Chase Conley	5/13/19	832	26.2	753.9	8.00	8.19	101.3			P/F	L/F
CCV	Chase Conley	5/13/19	1550	26.2	753.3	8.00	8.18	101.1			P/F	L/F
CCV											P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

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

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Chase Conley	5/13/19	0816	2904947	3/21	1000	997	P/F	L/F
ICV	Chase Conley	5/13/19	0818	2816641	10/20	500	504	P/F	L/F
CCV	Chase Conley	5/13/19	1548	2811660	11/20	50000	49637	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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Chase Conley	5/13/19	0820	187681	11/20	7.699	26.3	7.0	-40.1	P/F	L/F
Calibr.	Chase Conley	5/13/19	0822	190072	01/21	4.01	26.2	4.01	138	P/F	L/F
Calibr.	Chase Conley	5/13/19	0825	187680	12/20	10.00	26.3	9.99	235	P/F	L/F
ICV	Chase Conley	5/13/19	0827	190072	01/21	4.01	26.3	3.99	—	P/F	L/F
CCV	Chase Conley	5/13/19	1545	2811660	12/20	10.02	24.8	10.10	—	P/F	L/F
CCV				187680						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 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)
 If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last 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: