

CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET

(7-6-06 V2)

WATERBODY NAME: Bonita Ct Canal		DATE (M/D/YY): 8/19/2019	TIME: (AM) (PM): 0950	Case ID#: SD081919-001
LOCATION: NCTH Marco Island		COUNTY: Collier		NEAREST TOWN/CITY: Marco Island
Visit Type: ☒ Initial ☒ Recon ☒ Sampling ☐ Follow-up	Samples collected: ☒ yes ☐ no	Samples submitted to: FL DIER LAB		Photos Taken: ☒ yes ☐ no
Sample & Analysis types: Aqueous: ☒ Surface Scum: ☐ Benthic mat: ☐ Tissue: ☐				
Algal ID & enumeration: ☒ Nutrients: ☒ Chl-a: ☒ AGP: ☒ Turbidity: ☐ Toxin: ☒ Myset Specify				
Estimated size of bloom: None/Not appar.		Impounded: ☒ yes ☐ no		
Lake/Estuary Typical depth: ☐ m deep		Stream/River/Canal: 150 m wide		
Inflows: ☒ yes ☐ no		Typical Transect: 1.4 m deep 1.4 m deep 1.4 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: **None** Latitude: **26° 51'** Longitude: **-81° 43'**
Degrees Minutes Seconds Degrees Minutes Seconds

Present Weather conditions

Partly cloudy

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):	% DO	Depth	Secchi (m)	
Top	0.3	30.8	7.85	6.43	43645	103.1	1.4	1.4	
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: ☐									
Water Surface (check box): Clear: ☒ Scum: ☐ Globs: ☐ Slick: ☐									
Water Clarity (check box): Clear: ☒ Slightly: ☐ Turbid: ☐ Opaque: ☐									
Bloom Color (check box): Green: ☐ Red: ☐ Brown: ☐ Other: ☒ None									
Notes					Abundance:				
					Absent	Rare	Common	Abundant	
					Periphyton	☐	☒	☐	☒
					Fish	☐	☐	☐	☐
					Aquatic Macrophytes	☐	☒	☐	
					Iron/sulfur Bacteria	☒	☐	☐	

VISIT TEAM:

Chase Conley, John Boonington AGENCY: **8/19/19**

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: PROMOVE

RQ: 2019-07-15-22

Project: 25551907

- 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 6/18/19

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.	BARRINGTON	8/19/19	0707	27.1	756.9	7.98	7.92	99.6	—	1.033	(P) F	(L) F
ICV	↓	↓	0709	27.2	756.9	7.9	7.92	99.6	—	—	(P) F	(L) F
CCV	BARRINGTON	8/19/19	1600	27.4	756.7	7.9	7.89	99.7	—	—	(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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	BARRINGTON	8/19/19	0711	2907040	7/21	1000	999	(P) F	(L) F
ICV	↓	↓	0713	2904002	4/21	100	98.7	(P) F	(L) F
CCV	BARRINGTON	8/19/19	1603	2811660	11/20	50,000	4998.5	(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.	BARRINGTON	8/19/19	0715	191304	3/21	7.99	26.5	7.00	-68.3	(P) F	(L) F
Calibr.	↓	↓	0717	191303	3/21	4.01	26.6	4.01	109.4	(P) F	(L) F
Calibr.	↓	↓	0719	191040	3/21	10.00	26.4	9.99	-248.9	(P) F	(L) F
ICV	↓	↓	0721	191303	3/21	4.01	26.5	3.98	—	(P) F	(L) F
CCV	BARRINGTON	8/19/19	1606	191040	3/21	10.01	24.7	9.88	—	(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 +8.6, slope from 4 to 7 177.7 (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: 6/18/19

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: DEEP BLUE; Date of last verification: 6/18/19

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: