

CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET

(7-5-06 V2)

WATERBODY NAME: <i>Gator Lake</i>		DATE (M/D/YY): <i>01/02/19</i>	TIME (AM) (PM): <i>1255</i>	Case ID#: <i>SD010219-003</i>
COUNTY: <i>Lee</i>		LOCATION: <i>Six Mile Cypress</i>		NEAREST TOWN/CITY: <i>Fort Myers</i>
Visit Type: Initial ☒ Recon ☒ Sampling ☒ Follow-up ☐	Samples collected: ☒ yes ☐ no	Samples submitted to: <i>FDEP - Tallahassee</i>		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: Lake/Estuary Typical depth: <i>15</i> m deep		Impounded: ☐ yes ☐ no		
Inflows: ☐ yes ☐ no Outflows: ☐ yes ☐ no		Stream/River/Canal: ☐ m wide Tributary: ☐ m deep Water velocity: ☐ m/s Left bank: ☐ Middle: ☐ Right bank: ☐		

Canopy Cover:	Open: ☒	Lightly Shaded (11-45%): ☐	Moderately Shaded (46-80%): ☐	Heavily Shaded: ☐
Description of Bloom/	Latitude: <i>N 26 34 21.254</i>	Longitude: <i>W 81 49 29.462</i>		
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):	Sal. (ppt)	% DO	Secchi (m)
Top	<i>0.3</i>	<i>24.1</i>	<i>7.13</i>	<i>22.24</i>	<i>440</i>	<i>0.24</i>	<i>244.3</i>	<i>0.6</i>
Mid-depth		<i>23.1</i>	<i>9.04</i>	<i>18.83</i>	<i>489</i>	<i>0.24</i>	<i>228.1</i>	
Bottom	<i>1.0</i>	<i>22.0</i>	<i>8.23</i>	<i>10.13</i>	<i>522</i>	<i>0.25</i>	<i>116.6</i>	
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: ☒ <i>decay</i>								
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:			
					Periphyton	☒	☐	☐
					Fish	☐	☐	☒
					Aquatic Macrophytes	☐	☒	☐
					Iron/sulfur Bacteria	☒	☐	☐

AGENCY: *FDEP - SOROC*

Nicole Reistad
Kirby Wolfe

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

HERNIMON STREET
TALLAHASSEE, FL 32304
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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-

Project: Algae 1/2 Mile Cypress

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 12/26/18

DO	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
DEP SOP FT 1500											(P) F (L) F	
Calibr.	N. Reistad	01/02/19	1140	25.1	766	8.30	8.32	100.8			(P) F (L) F	
ICV	II	II	1141	25.0	766	8.32	8.33	100.8			(P) F (L) F	
CCV	N. Reistad	II	1556	26.2	763.7	8.14	8.14	100.6			P / F L / F	
CCV												

DO Acceptance criteria from Table ± 0.3 mg/L.
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.	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
FT 1200								(P) F (L) F	
Calibr.	N. Reistad	01/02/19	1131	2808E90	08/20	1000	1000	(P) F (L) F	
ICV	II	II	1133	2804A90	04/20	500	495	(P) F (L) F	
CCV	N. Reistad	II	1549	180522C	06/19	100	100	P / F L / F	
CCV									

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
DEP SOP FT 1100										(P) F (L) F	
Calibr.	N. Reistad	01/02/19	1143	181455	03/20	7.997	25.4	7.00	-14.4	(P) F (L) F	
Calibr.	II	II	1145	185488	08/20	4.011	25.5	4.01	161.2	(P) F (L) F	
Calibr.	II	II	1147	185490	09/20	10.003	25.7	9.99	-191.2	(P) F (L) F	
ICV	II	II	1148	185490	09/20	10.003	25.7	9.99		(P) F (L) F	
CCV	N. Reistad	II	1554	185488	08/20	4.011	25.7	4.04		P / F L / F	
CCV											

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 10 176.8 slope from 4 to 7 175.6 (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: 12/26/18
If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: 3312A

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: