

RR-2018-01-15-48

CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET

(7-6-06 V2)

WATERBODY NAME: Caloosahatchee River		DATE (MM/YY): 6/18/18	TIME (AM) (PM): 1155	CASE ID#:
COUNTY:	LOCATION: Hendry	NEAREST TOWN/CITY: Labelle Bridge SR29		Labelle
Visit Type:	Samples collected: ☒ Initial ☒ Recon ☒ Sampling Follow-up	Samples submitted to: THLHasssee DEP Lnb	Photos Taken: ☒ yes ☐ no	
Sample & Analysis types:	Aqueous: ☒ Surface Scum: ☐ Benthic mat: ☐ Tissue: ☐	Depth integrated composite: ☐		
Algal ID & enumeration:	Nutrients: ☒ Chl-a: ☒ ACP: ☒ Turbidity: ☒ Toxin: ☒			
Estimated size of bloom:	Impounded: ☐ yes ☒ no	Stream/River/Canal: ☒ m wide ☐ Specify		
Lake/Estuary Typical depth	Inflows: ☐ yes ☐ no	Tributal Transient: ☐ m deep ☐ m deep ☐ 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	26.76880708 -81.43787469			
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. (mM):	Cond. (µmho/cm) or Salinity (ppt):	Secchi (m):
Top	0.3	30.5	6.64	3.99	348.5	53.3
Mid-depth						0.14
Bottom	0.9					0.4

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: ☐ Globes: ☐ 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:	AGENCY:

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 trace.

Meter ID: DN2K

RO:

Project: Cherokee Marsh

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 03/28/2016

DO DEP SOP FT 1500	Name	Date	Time	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	N. Reistad	06/18/16	0704	25.3	8.218	8.27	100			P/F	L/F
ICV			0708	25.3	8.218	8.27	100.5			P/F	L/F
CCV			1359	27.2	7.940	8.01	100.9			P/F	L/F
CCV										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	Lot #	Expir. Date	Standard μmhos/cm	Meter Reading μmhos/cm	Pass / Fail	Lab / Field
Calibr.	N. Reistad	06/18/16	0710	180321B	04/19	1000	1000	P/F	L/F
ICV			0712	180321A	04/19	500	499	P/F	L/F
CCV			1402	171211R	12/18	100	101	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	N. Reistad	06/18/16	0715	177435	10/19	7.0	7.0	-2.7	P/F	L/F
Calibr.			0718	180710	02/20	4.0	4.0	175.0	P/F	L/F
Calibr.			0720	178540	12/19	10.0	10.0	-194.6	P/F	L/F
ICV			0722	180710	02/20	4.0	4.05	175.8	P/F	L/F
CCV			1404	177435	10/19	7.0	7.10	-14.3	P/F	L/F
CCV									P/F	L/F

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

if mV are recorded: slope from 7 to 10 191.4, slope from 4 to 7 171.4 (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	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 ± 5 % or ± 0.05m, whichever is greater.

COMMENTS: