

CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET

(7-6-08 V2)

WATERBODY NAME: IMPERIAL RIVER CANAL		DATE (M/D/Y): 5/9/19	TIME: (AM) (PM) 1250	Case ID#: SD-05092019-001
COUNTY: COLLEGE	LOCATION: IMPERIAL RIVER CANAL @ ESTHRE		NEAREST TOWN/CITY: BONITA SPRINGS	
Visit Type: Initial ☒ Recon ☒ Sampling ☒ Follow-up ☐	Samples collected: ☒ yes ☐ no Sample collection method: Single Grab: ☒ Grab Composite: ☐ Depth integrated composite: ☐	Samples submitted to: DEP LAB TOLAHASSEE		Photos Taken: ☒ yes ☐ no
Sample & Analysis types: Aqueous: ☒ Surface Scum: ☐ Benthic mat: ☐ Tissue: ☐				
Algal ID & enumeration: ☒ Nutrients: ☒ Chl-a: ☒ AGR: ☒ Turbidity: ☒ Toxin: ☒ MICROCYSTIN				
Estimated size of bloom: NOT APPARENT		Impounded: ☐ yes ☒ no		
Lake/Estuary Typical depth NOT APPARENT		Stream/River/Canal 8 m wide		
Inflows: ☐ yes ☐ no		Typical Transect 0.3 m deep 1.0 m deep 0.3 m deep		
Outflows: ☐ yes ☐ no		Water velocity 0.05 m/s 0.05 m/s 0.05 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 20 40.038 Longitude -81 47 41.458
Present Weather conditions OVERCAST
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.
Last rain event _____ Rainfall amount _____
D.O. % 41.7

WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):	SAL	Total Depth	Secchi (m)
Top	0.3	30.2	7.21	2.97	24699	14.86	0.8	0.5
Mid-depth								
Bottom								
System Type: Stream: ☐ (1st - 2nd order 3rd - 4th order 5th - 6th order 7th order or greater) Lake: ☐ Wetland: ☐ Estuary: ☐ Other: ☒ CANAL								
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: ☒ N/A								
Notes: SUCK ON SURFACE APPEARS TO BE POWDER CANAL TIDALLY INFLUENCED. NO APPARENT ALGAE AT TIME OF INVESTIGATION					Abundance: Periphyton ☒ Absent ☐ Rare ☐ Common ☒ Abundant ☐ Fish ☐ ☐ ☐ ☒ ☐ Aquatic Macrophytes ☐ ☐ ☐ ☒ ☐ Iron/sulfur Bacteria ☒ ☐ ☐ ☐ ☐			

VISIT TEAM:

JOHN BARRINGTON CHASE CUNY