

Appendix A

CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET (7-6-06 V2)

WATERBODY Sykes Creek		DATE (M/D/YY): 9/24/19	TIME: (AM) 1130	Case ID#
COUNTY: Brevard County		LOCATION: Canal between Anchor Ln. and Glen Haven Dr.		NEAREST TOWN/CITY: Merritt Island
Visit Type: ☐ Initial ☐ Recon ☒ Sampling ☐ Follow-	Samples collected: ☒ yes ☐ no	Samples submitted to: FDEP 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: ☒				
Estimated size of bloom:		Impounded: ☐ yes ☒ no		
Lake/Estuary Typical depth 2.1 m deep		Stream/River/Canal 15 m wide		
Inflows: ☐ yes ☐ no		Typical Transect m deep 2.1 m deep		
Outflows: ☐ yes ☐ no		Water velocity m/s m/s m/s		
Canopy Cover: Open: ☒ Lightly Shaded (11-45%): ☐ Moderately Shaded (46-80%): ☐ Heavily Shaded: ☐				
Description of Bloom/ Latitude Degrees Minutes Seconds Longitude Degrees Minutes Seconds 28.363353, -80.671822				
Present Weather conditions				
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. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):	Secchi (m)
Top	0.3	26.3	8.23	7.01	28,384	
Mid-depth						
Bottom	1.6	25.5	8.08	4.73	28,350	0.4

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: ☐ Globbs: ☐ Slick: ☐
Water Clarity (check box): Clear: ☐ Slightly turbid: ☐ Turbid: ☒ Opaque: ☐
Bloom Color (check box): Green: ☒ Red: ☐ Brown: ☐ Other: ☐
Notes: No Typical bloom observed, though a healthy green algae community was apparent.
Abundance: Periphyton ☐ Rare ☒ Common ☐ Abundant ☐ Fish ☐ ☐ ☒ ☐ Aquatic Macrophytes ☒ ☐ ☐ ☐ Iron/sulfur Bacteria ☒ ☐ ☐ ☐

VISIT TEAM: **Mrke Linger, Mrke Danner** AGENCY: **FDEP - CEROC**

RQ-2019-08-05-55

H2SO4
Lot # SA 7163030
Exp 10/30/19