

CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET

(7-6-06 V2)

WATERBODY NAME St. Johns River		DATE (M/D/Y): 07/29/2014	TIME: (AM) (PM) 200	Case ID#
COUNTY: Duval		LOCATION: St Johns River r of main st South Side		NEAREST TOWN/CITY: Jacksonville
Visit Type: Initial ☐ Recon ☐ Sampling ☒ Follow-up ☒	Samples collected: ☒ yes ☐ no	Samples submitted to: DEP + Test America		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: ☒ W-MCYST-AA OR MBAS-GJ Specify				
Estimated size of bloom:		Impounded: ☐ yes ☐ no	Stream/River/Canal m wide	
Lake/Estuary Typical depth m deep		Inflows: ☐ yes ☐ no	Tropical Transient m deep	
Outflows: ☐ yes ☐ no		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 **30** **19** **00** Longitude **81** **39** **60**
Degrees Minutes Seconds Degrees Minutes Seconds

Present Weather conditions

Sunny 90°

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):	Salinity (ppt)	DO (%)	Secchi (m)
Top	0.3	28.2	7.79	6.00	23898	14.43	83.3%	1.2
Mid-depth	3.5	28.2	7.78	5.79	25615	15.57	81.0%	
Bottom	4.1							

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: ☒ Glob: ☐ Slick: ☐

Water Clarity (check box): Clear: ☐ Slightly: ☒ Turbid: ☐ Opaque: ☐

Bloom Color (check box): Green: ☐ Red: ☐ Brown: ☐ Other: ☐

Not Contains: 1:1 H2SO4
Lot No.: SA8344070
Expires: 12/10/19
See Safety Data Sheet (SDS)

Foam accumulated along river wall ~ 20 sq ft area

Abundance:	Absent	Rare	Common	Abundant
Periphyton	☐	☐	☐	☐
Fish	☐	☐	☐	☐
Aquatic Macrophytes	☐	☐	☐	☐
Iron/sulfur Bacteria	☐	☐	☐	☐

VISIT 1

THIENHOUSER SCIENTIFIC
1400 660-7111
MADE IN USA
Contains 1:1 H2SO4
Lot No.: SA8344070
Expires: 12/10/19
See Safety Data Sheet (SDS)

AGENCY: **K. Appleby** **FDEP NC. ROC**

J. Parrish

Request Number: RQ-2019-08-05-44

TEST America

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Page 1 of 2
last revised Jan 25, 2018

Algae Bloom Response-as needed

Customer: WQAP

Requester: Jeremy M. ParrishField Report Prepared By: Kimberly Appleby

Project ID: BLOOM-RESP

Collected By: J. Parrish + K. ApplebySampling Agency: FDEP NE ROL

Location <u>St. Johns River E of Main St South side</u>		☐ Comp ☒ Grab		Collection (comp begin or grab) Date <u>7/29/2019</u> Time <u>900</u>		☒ Eastern ☐ Central		Composite end Date _____ Time _____		Bottle Group(s) (See pg 2)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc) <u>Salt</u>		Diss. Oxygen <u>5.79</u>		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) _____		<u>Beck</u> <u>C</u>	
WIN/STORET #		Temp (C) <u>28.2</u>		pH <u>7.79</u>		Sample Depth <u>0.3</u> ☐ ft ☒ m		Sp. Conductance (umho/cm) <u>23898</u>			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) <u>14.43</u>		Comments <u>Shipped MBA'S to Restaurant Savannah</u>					

Location		☐ Comp ☐ Grab		Collection (comp begin or grab) Date _____ Time _____		☐ Eastern ☐ Central		Composite end Date _____ Time _____		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
WIN/STORET #		Temp (C)		pH		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		Comments					

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Relinquished By: <u>K. Appleby</u>	Date/Time <u>7/29/19 15:30</u>	Shipping Method <u>FEDX</u>	Number of Coolers Shipped: <u>1</u>	Received By:	Date/Time
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Group: A Bottle Type: PT-50ML # of Bottles: 8 Preservative: ICE Enter Number of Bottles Sent to Lab C
BLOOM-ID

Group: B Bottle Type: BP-1L # of Bottles: 8 Preservative: ICE Enter Number of Bottles Sent to Lab C
CHLSUITE-W

Group: B Bottle Type: BG-250ML-WDMT # of Bottles: 8 Preservative: ICE Enter Number of Bottles Sent to Lab 1 to FDEP
W-MCYST-AA H

Group: B Bottle Type: P-500ML # of Bottles: 8 Preservative: ICE And H2SO4 Enter Number of Bottles Sent to Lab C
W-NH3
W-NO2NO3
W-S-A-TP
W-TKN

Group: B Bottle Type: P-125ML # of Bottles: 8 Preservative: FILTER-ICE Enter Number of Bottles Sent to Lab 0
W-PO4F

Group: C Bottle Type: P-1L # of Bottles: 2 Preservative: ICE Enter Number of Bottles Sent to Lab 1 to Test America
OV-MBAS-W