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Subject: Lower St. Johns River Algal Toxin Screening Results July 21 - 25, 2011

Analysis results for the cyanotoxin microcystin, in samples collected in the lower St. Johns River, July 21 - 25, 2011. Samples were collected during the routine ambient monitoring program by the St. Johns River Water Management District.

Microcystin concentrations have increased slightly since the previous sampling excursion 2 weeks ago, with levels above detection limit at several locations, but are still well below recommended action thresholds for recreational use.

Station I.D.	Collection Date	Collection Time and/or Description	Concentration Microcystin (ppb)
Outlet of Lake George (LG12)	110721	1120	0.43
St. Johns R. at Racy Pt. (SRP)	110725	1045	0.17
St. Johns River at Shands Bridge (SJSR16)	110725	900	0.82
St. Johns R. at Highway 40, Astor (SJR40)	110721	830	1.64
Crescent Lake near Outlet (CRESLM)	110721	1440	0.56
Northern Lake George, at Channel Marker 4&5 (LEO)	110721	1050	0.58

We plan to conduct sampling in this reach of the river again in two weeks, and will have another report available shortly thereafter.

* Microcystin analysis performed with the Enviroligix EP 022by Enzyme-Linked Immunosorbent Assay (ELISA) Kit; Minimum detection limit = 0.16 parts per billion. Analysis performed by Lake Superior State University Environmental Laboratory.

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