Cyanobacteria Monitoring and Analysis Workshop
USEPA Regional Laboratory
Chelmsford, MA
June 26, 2013
9:00 am – 4:00 pm

AGENDA

Objective: To discuss current cyanobacteria monitoring and analysis projects in the Northeast and identify common issues associated with field monitoring of cyanobacteria.

8:45 am	Refreshments
9:00 am	Welcoming remarks/introduction (*Theresa Portante, NEI, Hilary Snook, EPA*)
9:15 am	Cyanobacteria 101 and Matching Monitoring Objectives with Cyanobacteria Ecology (*Dr. Jim Haney, UNH*)
9:45 am	Cyanobacteria monitoring programs and advisories in New England (*Bryan Milstead*, EPA)
10:15 am	The Evolving Champlain Cyanobacteria Monitoring Program – 10 years and still counting (*Angela Shambaugh, VTDEC*)
10:45 am	*Break*
11:00 am	MDPH Harmful Algae Bloom Project: Monitoring and Accomplishments (*Mike Celona, MDPH)*
11:30 am	Rhode Island's (Shoe String Budget) Approach to Cyanobacteria Bloom Response and Routine Monitoring (*Brian Zalewsky, RIDEM*)
12:00 pm	Importance of Size of Cyanobacteria and Microcystins in Lake Monitoring (*Amanda Murby, UNH*)
12:30 pm	Working lunch (*light lunch will be provided*) Equipment and calibration demos
1:30 pm	Real-time monitoring and measuring phycocyanin (*Tom Faber, EPA*)

2:00 pm	The use of remote sensing to monitor lake water quality in New England lakes: Where are we now and what's next? (*Shane Bradt, UNH*)
2:30 pm	Remote sensing approaches to detecting and monitoring cyanobacteria blooms in lakes (*Darryl Keith, EPA*)
3:00 pm	Discussion Primer & Panel (*Haney/Milstead/Shambaugh/Celona*) • Is it possible to develop a consistent regional approach to monitoring cyanobacteria in the field that would provide a reasonable assessment of the risk to human health & environmental concerns? • Is there agreement on the most effective approach to monitoring cyanobacteria in the field? • Should there be development of a regional database/portal/etc. for monitoring efforts? Would this be beneficial and useful? • Is there an approach in the region to identifying lakes that are most vulnerable to HABS from land use/anthropogenic/climate change/landscape changes? If not, is it possible to develop one? • Discuss format/agenda for a larger cyanobacteria conference in the fall
4:00 pm	Wrap-up/Closing remarks