

APPLIED AND ENVIRONMENTAL MICROBIOLOGY

Volume 76

August 2010

No. 15

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Cover photograph (Copyright © 2010, American Society for Microbiology. All Rights Reserved.): Toxic cyanobacterial blooms, often dominated by *Microcystis aeruginosa*, are an increasingly prevalent phenomenon in freshwater lakes. Maximum parsimony network diagrams (overlay) depict genotypic diversity in samples from a 2007 *Microcystis* bloom that occurred in the Copco Reservoir on the Klamath River (Northern California) (background). This network analysis was used to study allele changes across the bloom season at two loci (the internal transcribed spacer and *cpcBA*) that paralleled a shift from high to low levels of bloom toxicity. (See related article on page 5207.)