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## Limnology: Freshwater Ecology

We are presently studying a series of lakes in southeastern Michigan that exhibit periodic and spectacular blooms by nuisance species of algae. Our studies involve not just the biology of the organisms present in the lakes but also the physics of water movements, the chemistry of nutrients and metals in the water, and measures of basic metabolic processes. A wide variety of experiments are required to learn, for example, the rates of key enzymatic processes, nutrient uptake rates, oxygen consumption, sediment nutrient release, and herbivore grazing rates. Because the lakes have been colonized by zebra mussels, feeding and nutrient release by this interesting invasive species is also a topic of interest. Visit [www.umich.edu/~jtlehman](http://www.umich.edu/~jtlehman) for more information about our work.

### Sampling zooplankton on Ford Lake

