

LAON's Water Quality testing program

LAON has a long-standing program of testing the waters of Norway's four lakes. We are fortunate to have a strong team for this effort, led by **Team Lead** Dr. Stephan Zeeman, a Professor of Oceanography at the University of New England. The **Water Quality Test Team** is made up of **Team Members**: Lisa Applegate, Matt Gruba, Jamey Melcher & Jamey Melcher, Jim O'Brien, Leslie Taylor and Paul Shook.

Samples are taken monthly between May and September. Water quality measures include Secchi depth for clarity, as well as temperature and dissolved oxygen profiles at 1-meter increments from surface to bottom. Total Phosphorus, Chlorophyll, pH, Alkalinity, Conductivity and Color are measured at surface and near-bottom. Samples for phosphorus and chlorophyll are analyzed at the Maine State Health and Environmental Testing Laboratory (HETL), as are one-time samples for Alkalinity and Calcium (the ratio is an indicator of sediment release of phosphorus). The other measures are analyzed by the team on-site. Annual reports provide the results of analysis and more details about our methods.

