

Introductory Algae Workshop

October 5, 2010 ~ 8:30 am – 12:00 pm
Joint Watershed Conference in Vail, Colorado



Join CLRMA for a fascinating morning into the world of algae! Begin the day learning the basis of algae ecology and the various types of algae. Then get ready for in-depth instruction on algae classification and identification. Pull up a chair next to a microscope and work through various samples learning how to identify algae and practice your new skills!

Brief Workshop Outline:

1. General talk about Algae: Their importance in the environment and why we treat water to remove them.
2. Discussion about Algae and general descriptions: unicellular, colonial, filamentous, tubular, strands, and membrane.
3. Measurements - Microscope set-up and calibration.
4. Identification - Microscope time with samples



Meet Your Instructors:

Keith Hancock

He now has a hard time believing it but he has over 30 years of wide ranging experience in the water treatment field. He has been a past president and owner of an EPA and State Certified Protozoan Water Quality Laboratory and was instrumental in setting up the Algal Analysis section of the laboratory for 12 plus years.

His photomicrographs have been published in the American Water Works Association's (AWWA) monthly journal and the special Algal publication: M7 Problem Organisms in Water: Identification and Treatment. He has authored 3 publications for AWWA's monthly magazine called Opflow and has created some educational posters relating to Algae and common freshwater plankton which he is happy to ship to anyone interested for a nominal fee.

Has been an Operations Chief of a Water Treatment Plant and a Community College Instructor for the Water/Wastewater Technology program and taught at numerous schools and University Operator training programs. He currently is a Laboratory QA/QC manager and part time Operator/GIS technician for "Spring Canyon and Sanitation District" located in northern Colorado.

Rhonda Duncan

Rhonda received her B.S. in 2000 in Biological Sciences from Colorado State University with a minor in Anatomy & Neurobiology. Since 1999 she has worked at CH Diagnostics in Berthoud, Colorado. She began working there as an Analyst and was responsible for Surface and Ground Water MPA Analysis, Macroinvertebrates, Sample processing, Phytoplankton Biovolume Analysis and EPA Method 1623 Analysis.

In 2004 she was promoted to Laboratory Director. Her responsibilities now include managing Day-to-Day Laboratory Activities, Implement EPA regulations, Principle Analyst for EPA Method 1623 Analysis, Principle Analyst for Surface and Ground Water MPA Analysis, Analyst for Macroinvertebrate Analysis, Analyst for Phytoplankton Biovolume Analysis, Organize and conduct in-house training workshops and Keeping clients informed of new methods and EPA regulations and requirements.