

Expert Laboratory Services in Macroinvertebrate Identification



ABR's Laboratory Services

ABR offers freshwater macroinvertebrate sample processing & identification of samples from across North America.

- All identification work performed by **NABS-certified taxonomist**, Dr. Cole, with more than 13 years experience
- Identification to any taxonomic level including *Chironomidae* and *Oligochaeta* to genus/species
- Strict internal QA/QC
- State-of-the-art stereomicroscopy equipment
- Trained and experienced technicians perform all sample sorting and sub-sampling
- Samples can be shipped to ABR's east or west coast offices
- Competitive pricing. Please call or email for pricing details.

ABR's Fisheries & Aquatic Sciences

ABR's Fisheries and Aquatic Sciences program provides research and consulting services to help those working to manage or restore aquatic habitats, water quality, and fisheries resources. Our scientists' expertise includes taxonomy, distribution, and ecology of North American macroinvertebrates and fish, effects of disturbance on and restoration of freshwater ecosystems, and watershed processes.



ABR's Fisheries & Aquatics Staff



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Oregon • Alaska • Massachusetts

Fisheries Research & Surveys

Macroinvertebrate Bioassessment Studies

Macroinvertebrate Sample Processing & Identification

Amphibian Research & Surveys

Restoration Effectiveness Monitoring

Watershed Assessment & Analysis

Lake Bathymetry & Total Volume Investigations

Applied Aquatic Ecology Research

Project Design, Data Analysis, & Quality Control Plan Development



Environmental Research & Services

Eastern Washington Last Fish Temporal Variability Studies, WA

ABR examined seasonal and annual changes in the upper limits of fish distribution in forested watersheds. The study included multiple field investigations throughout ten watersheds and the physical features which limit fish distribution. The data will be used, in part, to evaluate the validity of data used to build an existing stream-typing model for Washington State.

Fish Use & Habitat Assessment of the Similkameen and Okanogan Rivers, WA

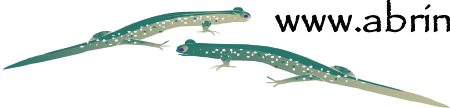
ABR recently completed a study of fish communities and physical habitat conditions in the Similkameen and Okanogan Rivers. This study will assist with river restoration, planning, and implementation efforts.

Tualatin River Basin Fish Community Surveys, OR

ABR reported on the condition of fish communities and Index of Biotic Integrity in relation to land use and instream physical and chemical conditions, in 63 stream reaches throughout Oregon's Tualatin River Basin.



For more information visit ABR at
www.abrinc.com



Projects and Products



Macroinvertebrate Bioassessment

Tualatin Basin Macroinvertebrate Biotic Integrity Studies, OR

In 2001, ABR studied the condition of benthic macroinvertebrate communities in relation to land use and instream physical and chemical conditions in 63 stream reaches. ABR performed all field work, macroinvertebrate taxonomic work, analysis, and reporting for the project.



City of Lake Oswego Macroinvertebrate Community Assessment, OR

ABR assessed the condition of macroinvertebrate communities in six study reaches representative of perennial streams throughout the city. Multimetric analyses were conducted.

North Clackamas County Macroinvertebrate Community Assessment, OR

ABR assessed the condition of macroinvertebrate communities in relation to land use and instream physical and chemical conditions.

Effectiveness Monitoring of Urban Stream Restoration Projects, Portland, OR

ABR is presently monitoring physical, hydrological, and biological responses to instream and riparian restoration projects occurring on several Portland-area urban streams.

Effectiveness Monitoring of Watershed Restoration Projects in the South Fork of the John Day River, OR

ABR is currently monitoring physical, chemical, and biological responses to instream, riparian, and upland restoration projects occurring in the SF of the John Day River, Oregon.



Applied Aquatic Ecology Research

Headwater Stream Amphibians and Macroinvertebrates in Managed Forests, OR

ABR performed field studies of headwater-stream amphibian and macroinvertebrate communities in managed forests of the Oregon Coast and Cascade mountain ranges. Distribution and abundance patterns of torrent salamanders and macroinvertebrate taxa were characterized and related to stream-reach and landscape-scale features.

