

# About BioData

The U.S. Geological Survey (USGS) BioData system provides access to aquatic community and physical habitat data collected by USGS scientists from stream ecosystems across the nation. Fish, macroinvertebrate, and algae samples are analyzed and physical habitat surveys are conducted as part of its USGS to provide aquatic bioassessment data to the nation. Users may access data from over 15,000 fish, aquatic macroinvertebrate, and algae collections and over 5000 physical data sets, such as reach habitat and light availability. Data were collected and processed since 1991 using the protocols of the National Water-Quality Assessment program ([NAWQA](#)). As of 2010, data collected by USGS scientists using the protocols of the U.S. Environmental Protection Agency National Rivers and Streams Assessment program ([NRSA](#)) are also included.

- BioData is a web-enabled database that for the first time provides for the capture, curation, integration, and delivery of bioassessment data collected by local, regional, and national USGS projects.
- BioData offers field biologists advanced capabilities for entering, editing, and reviewing the macroinvertebrate, algae, fish, and supporting habitat data from rivers and streams.
- BioData offers data archival and curation capabilities that protect and maintain data for the long term.
- BioData provides the Federal, State, and local governments, as well as the scientific community, resource managers, the private sector, and the public with easy access to tens of thousands of samples collected nationwide from thousands of stream and river sites.
- BioData also provides the USGS with centralized data storage for delivering data to other systems and applications through automated web services.

## Quick Links

[FY 2015 Development Roadmap](#)

[Fact Sheet](#)

[Data Entry and Management System Release Notes](#)

[Data Retrieval System Release Notes](#)