



## Ecological and Biological Surveys

### Capabilities

*Aquatic/Terrestrial Habitat Assessments*

*Fisheries Assessments*

*Benthic Community Assessments*

*Endangered/Threatened Species Surveys*

*Instream Flow Incremental Methodology*

*Wetland/Watershed Delineation*

*Recreational Surveys*

*Ecological Risk Assessments*



### Clients

*Federal Agencies*

*State Agencies*

*Counties and Municipalities*

*Environmental Organizations*

*Telecommunications Providers*

*Power Generation Companies*

*Manufacturing Companies*

Ecological and Biological surveys are often conducted to support regulatory compliance, permitting activities, and studies for conservation and environmental organizations. GLEC has conducted biological surveys of aquatic, wetland, and terrestrial ecosystems at the local, state, and national level. GLEC staff are experts in aquatic ecology, wetland ecology, vertebrate and invertebrate biology, aquatic toxicology, environmental chemistry, botany, habitat assessment, GPS surveys, and GIS.

GLEC fisheries biologists have extensive experience in small and large river fisheries projects in support of Clean Water Act (CWA) and National Environmental Policy Act (NEPA) documentation. GLEC staff are also expert at conducting integrated ecological surveys based on the Instream Flow Incremental Methodology (IFIM) that relates fish abundance to stream flow and habitat characteristics. Our benthic macroinvertebrate specialists have sampled and analyzed thousands of fresh water specimens for both government and industrial clients concerned with benthic/aquatic invertebrate community health.

GLEC owns and operates a wide array of field survey equipment including aquatic, sediment, and biological sampling gear; seven specialized survey boats; GPS units; off-road vehicles; and water quality monitoring equipment.



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