



Ecological and Biological Surveys

Capabilities

Aquatic Habitat Assessments

Fisheries Assessments

Benthic Community Assessments

Endangered/Threatened Species Surveys

Instream Flow Incremental Methodology

Invasive Species Surveys

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, and advanced GIS data collection and analysis methods.

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; specialized survey boats; GPS data collection units; off-road and amphibious vehicles; and automated water quality monitoring equipment.



Contact: *Dennis McCauley, Senior Environmental Scientist*
dmccauley@glec.com
231-525-0493

glec.com