Water Quality Assessment

Capabilities

Surface Water Sampling

Automated Water Quality Monitoring

Integrated Water Quality Surveys

NPDES Permit Support

Water Quality Improvement Plans

Environmental Chemistry

Aquatic Toxicology

Microbiology

Benthic Community Assessment

Clients

Federal Agencies

State Agencies

Tribal Nations

Counties and Municipalities

Wastewater Utilities

Power Generation Industry

Environmental Organizations

Manufacturing Firms

GLEC is a recognized national leader in field and laboratory-based water quality assessment work for both industry, environmental organizations and regulatory agencies. GLEC researchers conduct surface water quality assessments on any scale, from large integrated national studies to monitoring programs at the watershed, lake, and tributary level. We own and operate a full complement of surveying, monitoring and analysis equipment that supports our ability to perform all water quality assessment tasks, from monitoring and collecting water samples to analyzing and interpreting chemical and biological data. Our water quality assessment methods follow written standard operating procedures that follow the most recent established ASTM and EPA guidelines.

GLEC manages federal and state surface water quality assessment programs that include methods development and training field personnel. Wastewater plants and industrial firms engage GLEC to perform assessments of effluent and storm water discharges to meet NPDES and other permitting requirements. Lake associations and tribal nations use GLEC to conduct routine water quality monitoring in lakes and streams. GLEC will design a water quality assessment program to fit client needs from our full suite of capabilities:

- Development of Monitoring and Sampling Strategies
- Sample Collection from Lakes, Reservoirs, and Tributaries
- Automated Water Quality Monitoring
- Environmental Chemistry Laboratory
- Aquatic Toxicology Laboratories
- Benthic, Fisheries and Algal Taxonomy
- Mobile Field Data Collection

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