

ECOLOGICAL ASSESSMENT

GBM^c & Associates provides expertise to clients in order to develop regulatory approaches involving practical applications of science. These approaches address issues related to ecological field studies, from terrestrial wildlife to aquatic life in streams, reservoirs, and wetlands. Services include: fish and benthic community sampling and analyses; evaluation of ecological risks; habitat evaluation surveys; wetland delineations; and integration of aquatic communities' investigations with water quality and habitat sampling and analyses. GBM^c & Associates maintains all field equipment required for habitat characterization, fish and benthic collection, identification and analyses for turnkey ecological field studies.

Selected Experience and Capabilities

- Conducted field studies and modeling to determine the effects of temperature on aquatic ecosystems.
- Conducted data collection analyses and interpretation of habitat quality (both aquatic and terrestrial) as a prerequisite to maintenance of biological integrity.
- Designed and implemented quantitative sampling and assessment programs for benthic and fish communities to measure pre and post project biological integrity on systems ranging from intermittent streams to the Arkansas River.
- Designed and implemented monitoring programs for zebra mussel infestations at a variety of facilities. Designed standard sampling procedures and implemented multi-year, long-term sampling programs to assess the effects of site remediation/clean-up on fish flesh contaminants.
- Conducted numerous studies to determine impact of various industrial activities on terrestrial and aquatic life communities.
- Conducted hundreds of rapid bioassessments above and below point and non-point pollution sources to evaluate the development of benthic and fish communities, the maintenance of designated uses, and the biological integrity of the receiving stream.
- Completed ecological impact studies related to industrial spills and discharges to aquatic environments, including streams, lakes, estuaries, and wetlands.



- Performed biological and habitat assessments to determine impact of storm water in order to assess



GBM^c Contacts

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