



MISSION STATEMENT

Biological Systems Consultants, Inc. (BSC) is an ecological and regulatory consulting firm that integrates biological studies into today's *evolving environment*. At Biological Systems, where business is a science, we guide our clients through complex regulatory situations while maintaining a *practical* and *workable* approach to protection of our natural resources.

Our devoted staff has grown to include a number of professionals who possess backgrounds in natural resource management, aquatic and terrestrial ecology, state and federal regulations, forestry, botany, wetland science, hydrology, GIS/geospatial analysis, and cultural resources/archaeology. Our client base includes only private sector entities distributed across several states and in different physiographic and geographic regions.

We understand the complicated and delicate situations which may arise when working with the environment and seek to *simplify* and *streamline* projects to meet our client's goals, and resolve challenges with *efficient, dynamic* and *pragmatic solutions*. BSC can manage and coordinate all stages of a project through completion or offer individual services tailored to meet *unique* requirements. With an *innovative* approach, *foresight* into tomorrow's regulatory challenges, a passion for our job, and a strong commitment to high quality service, we strive to achieve success and provide our clients with *timely* and *cost-effective* solutions.



ECOLOGICAL SERVICES

Effective environmental planning requires comprehensive knowledge of the connection between species and their *habitat*, and the influence that various factors can have on biodiversity and ecological communities. The ecology team at BSC is responsible for a variety of *terrestrial* and *aquatic* assessment projects; including *benthic macroinvertebrates* and *fish* studies, *bat* and *bird* surveys, habitat assessments, and *water quality* monitoring. We have extensive experience in *threatened* and *endangered* species studies and possess the essential permits and equipment necessary to complete any assignment.

Our ecological services include:

- Rare, Threatened and Endangered Species Surveys and Habitat Assessments
- Fish Surveys
- Benthic Macroinvertebrate Studies
- Bat Surveys
- Herpetological Studies
- Ornithological/Migratory Bird Studies
- Water Quality Monitoring
- Botanical Inventories
- 3D Mapping / Aerial Analysis
- GIS/ Geospatial Analysis
- Pollutant Discharge Elimination System Permits
- Nutrient Management Plans (NMPs)
- Quality Assurance Project Plans
- Cumulative Impact Analyses (CIAs)
- Protection and Enhancement Plans (PEPs)
- Stream and Wetland Assessments and Restoration
- Natural Resource Management
- Corridor Studies and Planning



REGULATORY COMPLIANCE

BSC *specializes* in a range of *environmental permitting* services required for a multitude of projects and offers expert *navigation through* the *complexities* of the permitting process. We routinely *coordinate* and work with regulatory agencies, maintaining strong professional relationships. Our staff has years of experience with and extensive knowledge of state and federal statutes, guidelines, laws, and regulations. We work hard to stay current and aware of the latest and any upcoming regulatory changes; *anticipating* potential shifts in the industry and ensuring cost-effective *success* for our clients.

Our regulatory expertise and services include the following areas and agencies:

- Clean Water Act (CWA), Sections 401, 402, and 404
- U.S. Army Corps of Engineers Individual and Nationwide Permit Applications
- Wetland Delineation and Jurisdictional Determinations
- National Environmental Policy Act (NEPA)
- Surface Mining Control and Reclamation Act (SMCRA)
- United States Fish and Wildlife Service (USFWS)
- Office of Surface Mining Regulations (OSM)
- Threatened and Endangered Species Act (ESA), including Section 7 clearance
- Department of Natural Resources (DNR)
- Division of Water (DOW)
- Mitigation Planning and Monitoring
- Department of Fish and Wildlife
- National Historic Preservation Act (Including Section 106)
- Environmental Protection Agency (EPA)
- Department of Environmental Protection (DEP)



DUE DILIGENCE

Our *multifaceted* and extensive ecological and regulatory experience facilitates BSC's unique ability to assess and analyze significant environmental risks and potential liabilities associated with a proposed transaction. We offer skilled due diligence customized to our client's needs, enabling them to make *informed* financial and business decisions, identify and *mitigate risk*, and *capitalize on investments*. We work hard to understand our client's goals and concerns, and remain current on industry trends and regulatory changes.

Our comprehensive due diligence services include:

- Full Regulatory Compliance/ Environmental Auditing
- Risk Assessment and Management
- Environmental Site Assessments
- Volumetric Surveys
- Best Management Practice (BMP) Inspections
- Mining and Natural Resource Cost Analysis for Feasibility and Purchases

