Statement of Qualifications

Beaver Creek Hydrology

Professional Engineering
Watershed Restoration
Ecological Services

COMPANY PROFILE

Beaver Creek Hydrology, LLC (BCH) is a professional engineering company that provides civil engineering and biological services for stream and wetland mitigation projects. BCH specializes in natural channel design for watershed planning, restoration and mitigation for aquatic resources.

BCH was founded in 2006 by Case Davis, PE and Brian Belcher, PhD, PE. Case Davis has over 20 years of experience in civil engineering and ecosystem mitigation in Kentucky, Ohio, Colorado and Tennessee. Brian is a professional engineer with over 20 years of experience in the fields of civil engineering systems, hydrology, natural stream channel design and restoration, fluid mechanics and sediment transport.

BCH has provided mitigation services to various clients for restoration and mitigation projects that include over **200 miles** of streams and that have been designed, permitted or constructed within the last 12 years. This Statement of Qualifications provides an overview of our services, project staff and selected project descriptions for satisfied clients including:

COMMONWEALTH OF KENTUCKY
UNITED WE STAND
DIVIDED WE FALL

TN TDOT Department of Transportation

TENNESSEE STREAM TSMP MITIGATION PROGRAM

KENTUCKY DEPT. OF FISH & WILDLIFE RESOURCES

Ecosystem Investment Partners

CITY OF MASON OHIO
more than you imagine.

HARPETH RIVER WATERSHED ASSOCIATION

TROUT UNLIMITED

FOURMILE
EST 2015
WATERSHED COALITION

SRS
STREAM RESTORATION SPECIALISTS

FRONTIER™ ENVIRONMENTAL | SERVICES

ENGINEERING, ECOLOGICAL AND RESTORATION SERVICES

- Site identification including coordination with stakeholders
- Property and easement acquisition research
- Easement monitoring and compliance activities
- Utility relocation design
- Preparation of conceptual design plans
- Signage and boundary marking
- Topographical surveys
- Hydrologic, hydraulic and sediment transport modeling
- Groundwater modeling
- Water quality modeling
- Engineering design and plan preparation
- Data collection and remote data sensing
- Biological assessments, surveys, monitoring, and reporting
- Section 106 coordination
- NEPA coordination
- Section 7 Endangered Species Act coordination
- 401 WQC, Floodplain and 404 Permits
- Construction oversight and as-built surveys
- Post-construction monitoring
- Macroinvertebrate surveys and identification
- Vegetation surveys
- Fish surveys
- Bat surveys
- Wading and SCUBA-based mussel surveys
- Threatened and endangered species surveys
- Soil characterizations
- Water quality assessments
- Wetland and stream delineations
- Statistical data analysis
- Watershed characterizations
- Educational seminars
- Grant writing
- Public outreach