



**CAPABILITY STATEMENT**  
**ENVIRONMENTAL CONSULTING SERVICES**



**STREAM RESTORATION**

At RedFISH, we focus on creating geomorphically stable stream corridors utilizing an ecological and geomorphic approach to natural channel design. In natural channel design, new or reconstructed streams and their associated floodplains are designed to be self-sustaining through the use of naturally occurring processes. Typically, natural channel design projects incorporate pool/riffle sequences and meander bends within the design to efficiently transport water and sediment while providing ecological benefits and improving habitat and water quality. Our stream restoration experience includes watershed and stream assessments, large and small river biological and physical habitat surveys, planning level conceptual designs, final designs, regulatory permitting, project implementation, and monitoring. Our approach is based on well-founded geomorphology and ecology, so we begin by reviewing the watershed to establish general characteristics and reasons for geomorphic and ecological disturbances.

Services we provide include:

Planning	Existing Conditions Assessment	Design	Implementation and Monitoring
<ul style="list-style-type: none"> <li>• Alternatives Analysis</li> <li>• Conceptual Design</li> <li>• Feasibility Studies</li> <li>• Project management</li> <li>• Grant Writing Assistance</li> <li>• Community Outreach</li> <li>• Public Education</li> <li>• Wetland Delineation</li> <li>• Environmental Permitting</li> <li>- 404/401 CWA</li> <li>-ESA Consultation</li> </ul>	<ul style="list-style-type: none"> <li>• Geomorphic Assessments</li> <li>- Watershed Assessment of River Stability and Sediment Supply (WARSS)</li> <li>- Stream Channel Stability</li> <li>- Stream Visual Assessment Protocol (SVAP)</li> <li>- Bank Stability and Toe Erosion Model (BSTEM)</li> <li>• Hydraulic Assessments</li> <li>- HEC-RAS</li> <li>• Ecological Baseline Inventories</li> <li>• Habitat Analyses</li> <li>- Habitat Assessments</li> <li>• Rapid Bioassessment Protocol (RBP)</li> <li>• Aquatic Surveys</li> <li>• Instream Flow Studies</li> <li>• Reference Reach Surveys</li> <li>• Master Planning</li> <li>• Sediment Transport Sampling and Analysis</li> <li>• Pipeline Stability Assessment</li> <li>• Limiting Factor Analyses</li> </ul>	<ul style="list-style-type: none"> <li>• Conceptual Planning</li> <li>• Natural Channel Design</li> <li>• Alluvial Channel Design</li> <li>• Threshold Channel Design</li> <li>• Habitat Enhancement Design</li> <li>• Dam Removal</li> <li>• Fish Passage Restoration</li> <li>• Aquatic Habitat</li> <li>• Streambed/Bank Stabilization</li> <li>• Erosion Control</li> <li>• Sediment Management Planning</li> <li>• Soil Bioengineering</li> <li>• Riparian Corridor Restoration</li> <li>• Vegetation Design and Planning</li> <li>• Wetland/Riparian Design</li> <li>• Floodplain Connectivity and Design</li> <li>• Flood Reduction</li> <li>• Water Diversion Design</li> <li>• Best Management Practices (BMPs)</li> </ul>	<ul style="list-style-type: none"> <li>• Construction Management</li> <li>• Construction Observation</li> <li>• As-Built Surveys</li> <li>• Contractor Training</li> <li>• Design/Build Services</li> <li>• Design/Bid/Build Services</li> <li>• Fluvial Geomorphic Monitoring</li> <li>• Revegetation Assessments</li> <li>• Wetland-Creation/Mitigation</li> <li>• Erosion Control Compliance</li> <li>• Macroinvertebrate Sampling</li> <li>• Integrated Riparian Evaluation</li> <li>• Functional Assessments</li> <li>• Adaptive Management</li> </ul>



**NAICS CODES**

- 541620 - Primary - Environmental Consulting Services
- 541330 - Engineering Services
- 541690 - Other Scientific and Technical Consulting
- 541990 - All Other Professional, Scientific, and Technical Services
- 541512 - Computer Systems Design Services
- 541360 - Geophysical Surveying and Mapping Services
- 541370 - Surveying and Mapping - except Geophysical
- 541720 - Research and Development in the Social Sciences and Humanities
- 541715 - Research and Development Physical, Engineering, Life Sciences
- 115310 - Support Activities for Forestry
- 561210 - Facilities Support Services
- 561611 - Administrative Management & General Management Consulting
- 541618 - Other Management Consulting Services
- 921190 - Other General Government Support
- 561320 - Temporary Help Services

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