



# CAPABILITY STATEMENT

## ENVIRONMENTAL CONSULTING SERVICES

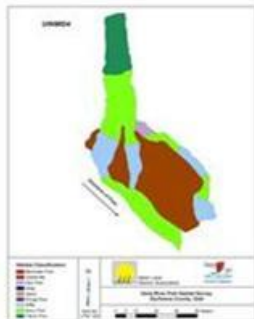


### GEOMORPHIC ASSESSMENTS

Geomorphic assessments are used to understand, evaluate, and monitor the condition of river systems; they are also the foundation for stream restoration projects. At RedFISH, we use modern equipment coupled with our experience studying water bodies to develop comprehensive and accurate geomorphic assessments. Our geomorphic assessments encompass the review of the watershed to establish general characteristics and causes of geomorphic disturbances, the collection of site-specific geomorphic data to understand the processes at work in the impacted reach, the collection of reference reach data to assist with monitoring and restoration design solutions, and processing data with software tools that ensure efficient and accurate geomorphic evaluations.

RedFISH provides an extensive line of geomorphic assessment services, including:

- Total Station and Survey Grade GPS River Surveys
- Remote Sensing Unmanned Aerial System for Scientific Applications (Fixed-wing, Multi-rotor)
- Watershed Assessments
- Reference Reach Surveys
- Bank Erosion Potential Analysis/Monitoring
- Spatial Statistics
- GIS Watershed Modeling
- Watershed Assessments for River Stability and Sediment Supply (WARSSS)
- Sediment Transport Sampling/Analysis
- Aquatic Surveys
- Small and Large Scale Stream and River Habitat Mapping
- Habitat Evaluations
- Restoration Site Prioritization
- Hydrologic/Hydraulic Modeling
- Pre-and-Post-Construction Monitoring
- Aerial Imagery Data Collection (visual, near-infrared NIR, thermal TIR)
- Aerial Imagery Data Processing. Ortho-rectified Imagery Mosaics With Internal DEM
- High-Resolution, Multi-Spectral Aerial Imagery
- Vegetation Mapping
- Terrestrial and Aquatic Vegetation Mapping - Invasive Species
- Certified Federal Aviation Authority (FAA) Pilot. UAS/Drone Pilot



### 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
- 541611** - Administrative Management & General Management Consulting
- 541618** - Other Management Consulting Services
- 921190** - Other General Government Support
- 561320** - Temporary Help Services

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