



CAPABILITY STATEMENT

ENVIRONMENTAL CONSULTING SERVICES



CULTURAL & ARCHAEOLOGICAL RESOURCES - GEOARCHAEOLOGY - GEOMORPHOLOGY - SOIL SCIENCE

RedFISH provides cultural resource management services in the western United States. We have experience with documentation, testing and evaluation of archaeological and historic resources in accordance with state and federal regulations including Section 106 of the National Historic Preservation Act and its applicable guidelines (36 CFR 800). In addition to having experience with Class I, II and III surveys and data recovery projects, we provide geoarchaeology consulting services including geology, geomorphology, soil science, paleoecological studies, and the analysis of archaeological site formation. Our principal geoarchaeologists (MA, RPA, licensed/registered professional geologists) have worked in the cultural resource management services field for over 20 years. Our staff has provided a broad range of geoarchaeological analytical services to research institutes, government agencies, and the private industry in the Northwestern Plains, Great Plains, Rocky Mountains, Basin and Range, Southwest, Columbia Plateau and Colorado Plateau. Our capabilities in cultural resource management, geomorphology, pedology, stratigraphy, Quaternary geology, site formation studies, GIS-based site burial modeling, GIS-based ethnographically-documented edible plant modeling, and paleoenvironmental reconstruction, including lake coring, have been extensively applied to meet diverse client needs. Other related services include Geographic Information Systems (GIS) and geospatial technology, remote sensing, LiDAR imaging, high resolution multi-spectral aerial imagery data collection, and precision surveying and mapping.

Services Include:

- Archaeological Surveys (Phase I, II and III)
- Development and Execution of research designs and Data Recovery Plans
- Geographic Information Systems (GIS) and Geospatial Technology
- Geomorphic Assessments
- Geoarchaeological Investigations
- Archaeologically oriented geomorphology, stratigraphy and soils description and analysis
- Archaeological construction monitoring
- Geoarchaeological assessments for Section 106 process infrastructure for rerouting (pipelines/roads) and re-siting (powerline/cell phonetowers)
- Geophysics (resistivity, gradiometer, ground penetrating radar)
- Off-site (off-project area) mitigation design and implementation using geoarchaeology
- GIS-assisted site burial modeling
- Archaeological site formation process assessment
- GIS modeling of plant species distributions under present-day, drier-than- present, and wetter-than-present climates
- Paleoenvironmental context studies
- Location-specific, paleo-climate models
- Research management for multi-disciplinary paleoenvironmental lake coring
- Sub-meter GPS-Grade Mapping
- Imagery Acquisition and Archives Search
- Remote Sensing Unmanned Aerial System for Scientific Applications (Fixed-wing and Multi-rotor)
- High Resolution Multi-Spectral Aerial Imagery Data Collection (visual, near-infrared NIR, thermal TIR)
- Aerial Imagery Data Processing. Ortho-rectified Imagery Mosaics With Internal DEM

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