



## Bionomics Environmental, Inc.

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Bionomics Environmental has provided services in environmental and cultural resource consulting for 20 years in the Intermountain area. We retain specialized, highly trained staff who are dedicated to fulfilling each client's project requirements. Bionomics Environmental is registered as a Disadvantaged Business Enterprise (DBE) and a Minority Business Enterprise (MBE) in the states of Idaho and Oregon and continues to excel in environmental and cultural resource consulting.

Bionomics Environmental provides a diverse range of project management services relating to the natural and human environment.

### Environmental Analysis

- Project Management and facility support
- NEPA Studies
- Wetland Delineation
- Water Quality
- Cultural Resource Clearance
- Biological Assessment
- Noise Analysis
- Air Quality Analysis
- Section 4(f) Analysis

Bionomics Environmental provides environmental analyses to determine impacts on wetlands; waterways and water quality; sites of cultural, historic and archaeological significance; wildlife/fish and wildlife/fish habitat including rare, threatened and endangered species; transportation; noise; air quality; land use; farmlands; Section 4(f) and Section 6(f) lands; displacements and relocations; and hazardous wastes/materials. These analyses may also then be used to develop the following: environmental planning documentation and environmental compliance.

### Key Personnel

**David Aizpitarte:** Principal, program management, NEPA consultation, noise consultation, and hazardous waste.

**Nicole Parks:** Environmental Project Manager, environmental investigation and assessment, field survey, sampling, and report preparation, water quality analysis, noise analysis, wetland delineation and mitigation planning, and Section 404 of the Clean Water Act permitting.

**Jillian Martin:** Principal Investigator, cultural resource investigations, overall administration and management of cultural resource projects, compilation of cultural resource reports, Section 4(f) evaluations, prehistoric and historic site excavations, recordation of archaeological and historic architectural sites, artifact recordation and preservation, mapping, and supervision of intensive and reconnaissance field surveys.

**Jaya Smith:** Wildlife Biology Manager, ecology research, wildlife and botany surveys. He also has experience with NEPA compliance, writing technical reports, Biological Assessments, Environmental Assessments, statistical analysis, and GIS analysis.

## Areas of Expertise

**NEPA Documentation** – Bionomics will prepare Categorical Exclusions (CE), Environmental Assessments (EA)/Finding of No Significant Impact (FONSI), Environmental Impact Statements (EIS)/Record of Decision (ROD), Environmental Compliance, Environmental Due Diligence Audits, and Environmental Evaluation and Reevaluations for compliance with the National Environmental Protection Act.

**Cultural Resource Clearance** - Bionomics offers professional cultural resource services in all phases of cultural resource investigations including archival research, cultural resource records searches, cultural resources survey, subsurface studies, prehistoric and historic context development and overviews, site prediction and project planning studies, archaeological testing and data recovery excavations—database management, cultural material analysis, section 106 compliance.

**Wetlands** – Bionomics can perform delineations of wetlands and develop wetland mitigation concepts in cooperation with local, state and the Corps of Engineers, to avoid or minimize impacts to wetlands and/or to replace those wetlands. Bionomics staff also prepare Section 404 permits.

**Biological Assessments** – Bionomics staff will assure that projects with potential impacts on the environment are compliant with Section 7 of the Endangered Species Act. Staff Consultants will confer with the U.S. Fish and Wildlife Service, state, local, and tribal wildlife agencies to identify threatened and endangered species that may occur in the project area and prepare the appropriate Biological Assessment.

**Water Quality** - Bionomics will review existing data related to water quality issues in the area and determine if a National Pollution Discharge Elimination System (NPDES) permit and pollution prevention plan need to be prepared.

**Hazardous Wastes/Materials** - Bionomics personnel can perform Phase I property audits which include contacting the Environmental Protection Agency (EPA), the appropriate state and local environmental divisions to determine if there are any hazardous waste sites, underground storage tanks, or contaminated ground water in or near the project area.

**Noise and Air Quality** - Bionomics will perform field-testing, using an integrating sound level meter and computer modeling, using the Traffic Noise Model (TNM) 2.0 for noise attributable to any proposed activity by the Federal Highway Administration.

**Public/Agency Involvement** - Bionomics has the ability to manage this process including; public meetings, public hearings and newsletters mailed to interested and affected parties, meetings with public agencies, and continued coordination with affected agencies throughout the duration of any project.

## Pertinent Contracts

### Idaho Transportation Department

Performed environmental clearance for numerous projects throughout this region. Projects included full environmental assessments involving wetlands delineations; biological assessments; prime farmlands assessments; air and noise studies; cultural resource/archaeological studies; hazardous waste assessments; full Section 4(f) Evaluations and alternative alignment studies.

### Private Wind Development, Idaho and Oregon

Projects included full environmental assessments involving wetlands delineations; biological assessments; prime farmlands assessments; noise studies; cultural resource/archaeological studies; hazardous waste assessments; water quality evaluations; and alternative site selection studies. In addition, post construction avian mortality surveys were completed as well as extensive agency coordination and permitting.

### Alternative Energy Idaho, Oregon, Washington, Montana, Utah

Performed environmental clearance for numerous alternative energy projects throughout this region. Projects included full environmental assessments involving wetlands delineations; biological assessments; prime farmlands assessments; noise studies; cultural resource/archaeological studies; hazardous waste assessments. Performing Wildlife Biology .....