



# EASTERN NEVADA

## Landscape Coalition

1500 Avenue F / Suite A Ely, Nevada 89301

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### Methods

#### Vegetation Monitoring

- Belt density transects
- Line point intercept
- Line intercept
- Nested frequency
- Production
- Daubenmire
- Herbaceous and shrub density
- Ocular cover estimation
- Basal gap intercept
- Canopy gap intercept
- Soil stability testing
- Cover board (visual obstruction)
- Burn severity index
- Ecological site inventory

#### Range Monitoring

- Utilization
- Cole browse
- Use pattern mapping
- 17 Rangeland health indicators
- Key management area establishment

#### Wildlife

- Species
  - Sage Grouse
  - Breeding birds
  - Migratory birds
  - Raptors/Owls
  - Badgers
  - Pygmy rabbits
  - Big game
  - Reptiles/amphibians
  - Bats
- Surveys
  - Calling
  - General abundance
  - Brood
  - Nest searches
  - Lek counts
- Habitat suitability mapping
- Collaring
- Telemetry
- **Noxious and Invasive Species**
  - Surveys
  - Treatment
- **Abiotic**
  - Proper function condition surveys for springs and streams
  - Erosion monitoring

- Soil sampling

### **Restoration**

- Economic feasibility studies
- Creation of ecological-based restoration strategies for both wildlife and plant habitat
- Implementation of restoration strategies
- Management plans for current and potential weed infestations
- Seed collection

### **T&E and Sensitive Species**

- Occurrence surveys
  - Elemental occurrence
  - Natural Heritage Program reporting

### **Mapping**

- Vegetation
- Noxious and invasive species
- Habitat suitability
- Route and trail inventories
  - Site mapping
    - Cultural
    - Resource disturbances
    - Recreation sites
    - Range improvements

### **Compliance**

- General inspections
- Site documentation
  - Site boundary mapping
  - Repeat site photography
- Reclamation recommendations

### **GIS**

- ArcGIS
- ArcCatalog
- GPS Pathfinder Office
- Trimble

### **Technical Skills**

- NEPA
  - Document preparation and review
- Project/crew management
- Plant
  - Provide training in plant taxonomy, identification and specimen collection
  - Plant identification
  - Herbarium methods and curation
  - Specimen collection
  - “Seeds of Success” national seed collecting protocol
- Databases
  - BLM databases
    - 3809/3600 database
    - LR2000
  - Access
  - Botanical Gardens Database (BGBase)
  - Database for Inventory, Monitoring, and Assessment (DIMA)
  - Excel
  - Fire Ecology Assessment Tool (FEAT)
  - Tropicos
- Photography
  - Adobe Photoshop
  - Site photography
- Environmental education and outreach