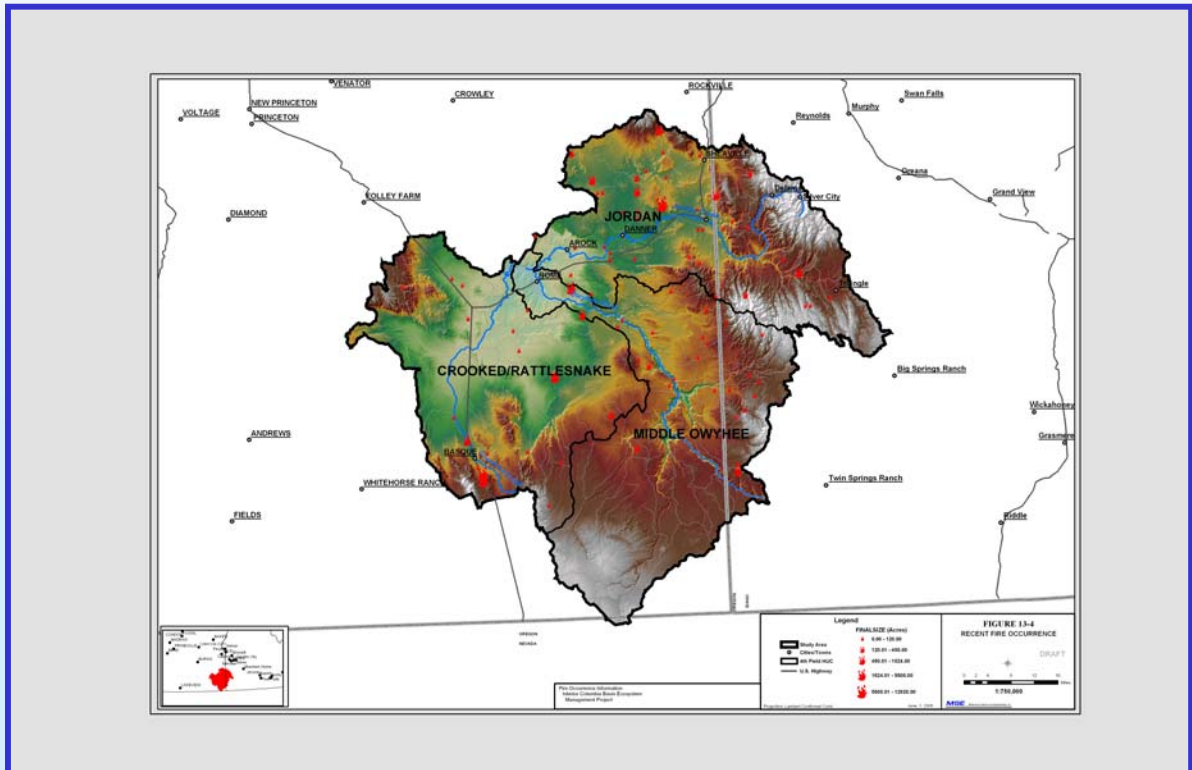


Geographic Information System Services



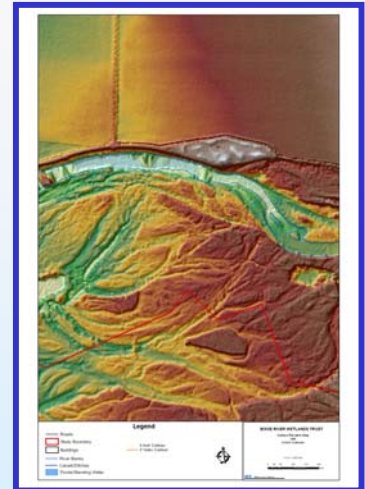
Capabilities

- Geospatial Database Design & Development
- GIS Training
- CAD Design
- GRID Modeling
- Spatial Analysis
- GIS Applications Development & Programming
- Cartographic Design & Map Production
- Geospatial Data Compilation

Key Projects

Wetland Delineation/Groundwater Study, Boise, ID

- Generate 6 inch contours from high resolution Light Detection and Ranging (LIDAR) data. Map all pertinent land features including, structures, roads, fencelines, water bodies, irrigation and drainage ditches.
- Develop a subsurface groundwater model in conjunction with a surface elevation model to determine the depth to groundwater.
- Delineate the optimum areas for wetlands enhancement. Overlay onto high resolution aerial photography.



TMDL Technical Assistance, Willow Creek Watershed, ID

- The Geomorphic Risk Assessment methodology applied conventional hydrologic and erosion modeling techniques to aerial photos, Digital Elevation Models and other spatial data using the ARCVIEW GIS.

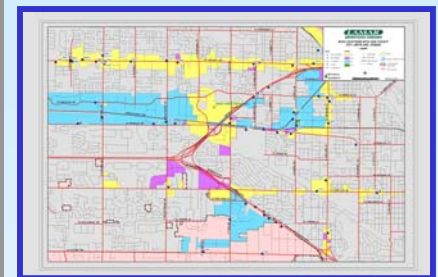


Fish Screen Management Program, Idaho Department of Fish and Game

- Applications programming services to assist in the construction, maintenance and monitoring of stream diversions for the Salmon River Watershed. Application was developed using ESRI's ArcGIS software.

Owyhee Watershed Council, Southeast Oregon

- GIS is playing a vital role in the successful completion of project as numerous maps of the project area are being produced to illustrate and analyze the wide variety of data.



Goldstone Mine Reclamation Project, US Forest Service

- Developed working and presentation maps to aid MSE's mine reclamation study for the US Forest Service. Majority of the project was done in Arcview.
- Base data (roads, water and elevation) was acquired from public agencies and plotted for use as field maps.
- All data was converted to a common projection and coordinate system conducive to use in the study area.
- Tailing deposits and repository sites were tablet-digitized from the field maps.
- The final maps depicted the base data, all water and soil sample results, potential repository sites and volume data for the repository sites. Additional maps were created to show specific repositories, a profile of the repository, along with their cut and fill volumes.

Boise River Flood Control #10

- Production of an access map and map atlas for select areas along the Boise River.
- Access points were mapped and a database set up to capture pertinent information about those points. As information was acquired for each of the access points, the data is stored electronically and will allow for easy and efficient retrieval.

