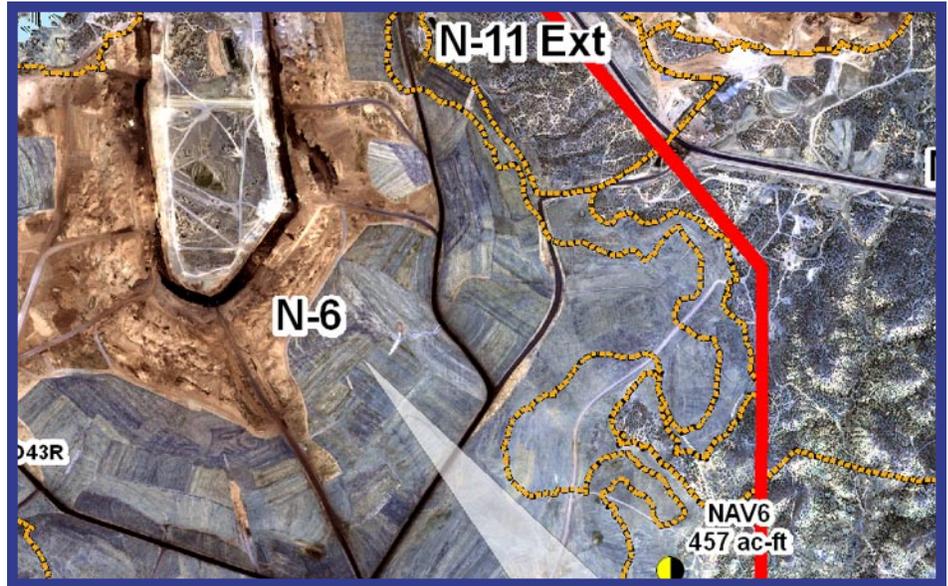




TIPS

Technical Innovation
and Professional
Services



GIS vector data of mine areas, permit boundary and monitoring well locations draped over a QuickBird satellite image.

Geographic Information Systems

Development of Geographic Information System (GIS) databases continues to be a priority in OSM/Western Region. At these locations personnel are taking both map and tabular data from mining operations and placing it into geographic information system databases. This enables reviewers to bring up any of the permit application data on the computer screen for quick reference and analysis. It also allows reviewers to combine data for detailed analyses.

For example, soil-type data can be combined with vegetation data to explore the success of revegetation in different soils. Topography and engineering data can be overlaid on satellite or aerial photographs to display the actual site appearance together with map information. Many reviewers use the geographic information system to display water quality data in tabular form at each sample location on a map.

Geographic Information Systems can produce information produce information that answers specific questions and allows you to share that information with others. By visualizing relationships, connections, and patterns in data, you can make informed decisions and increase efficiency throughout your organization.

GIS allows us to view, understand, question, interpret, and visualize data in ways simply not possible in the rows and columns of a spreadsheet. Beautiful and interesting maps provide better decision making tools and analysis and make a difference in our world.

GIS Software

- ArcInfo Desktop
- 3D Analyst
- Survey Analyst
- ArcScan
- Spatial Analyst
- Geostatistical Analyst
- Publisher
- Maplex
- Data Interoperability
- Tracking Analyst

Training

- Introduction to ArcGIS for Mining and Reclamation
- ArcGIS Spatial Analyst for Mining and Reclamation
- Underground Mine Mapping with GIS
- ESRI Online Classes

Contact

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