



**TIPS**  
 Technical Innovation  
 and Professional  
 Services

# SPATIAL ANALYST



<http://www.tips.osmre.gov/Software/gis/GIS.shtml>

Spatial Analyst is a broad suite of tools designed primarily for the analysis and modeling of raster data. It is particularly adept in surface modeling applications. With Spatial Analyst you have the ability to perform complex, integrated raster/vector modeling as well as derive new data from single or multiple existing data sets.

### SELECTED FEATURES:

- Determine site suitability
- Find least-cost path and calculate 'cost' from one point to another
- Construct and execute environmental risk models

### SOFTWARE:

ArcGIS Spatial Analyst

### SMCRA BENEFITS/USES:

- Slope stability analyses
- Erosion potential
- Watershed modeling
- Surface restoration to pre-mining condition
- Determine best locations for environmental monitoring devices

### TIPS TRAINING CLASSES:

- Introduction to ArcGIS for Mining and Reclamation
- ArcGIS Spatial Analyst for Mining and Reclamation

### NEED HELP ????

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