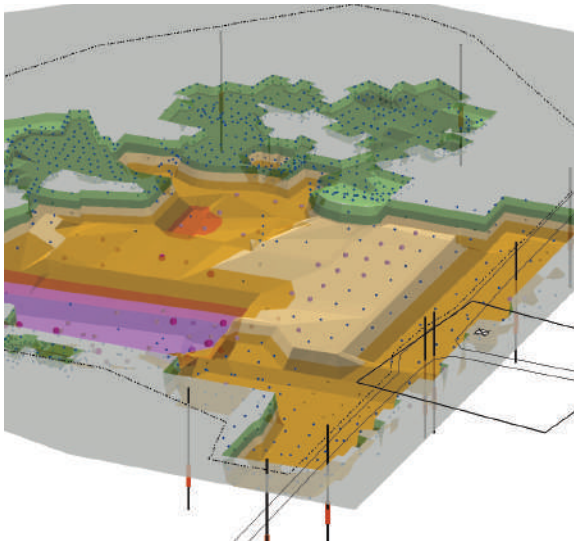




# GEOMATICS



The role of the geomatics team at Vertex is to provide expertise in all aspects of geographic information systems (GIS), computer-aided drafting (CAD) and GPS applications. Our personnel have a comprehensive background and skills in the latest spatial data technology to support a variety of environmental and engineering consulting initiatives.

Geomatics Support also includes project management to coordinate and distribute datasets to clients and subcontractors, as well as asset and document management.

## Services

- Soils, Vegetation, Land Suitability, Groundwater, Land Use & Reclamation Thematic Mapping
- Wellsite Mapping (Phase I, II, Reclamation & Remediation)
- Detailed Site Assessments
- Air Photo Image Processing
- Spatial Analysis
- DEM Terrain Analysis Including Lidar
- Cross Section Illustrations & Customized Graphics
- Activity Tracking & Construction Monitoring
- Develop 3D Models for Stockpile & Excavation Volumes
- Custom Data Collection Software on Smartphones &/or Rugged Tablets
- Video, Photography & 3D Datasets from Unmanned Aerial Vehicles (UAV)
- GIS Data Capture Using Mobile Devices
- Data Dictionary & Geodatabase Development