Geographic Information Systems

Capabilities

Environmental Data Management

2D and 3D Spatial Analysis

Geostatistical Analysis

Terrain and Bathymetric Mapping

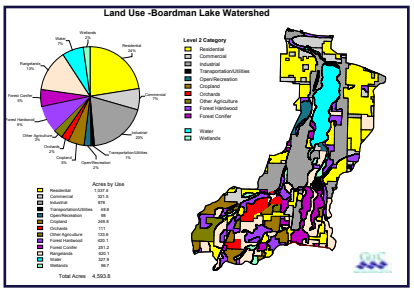
GIS/CAD Translations

Environmental Survey Support

Land Use Analysis

Watershed/Wetland Delineation

Preliminary Radio Frequency Analysis



Clients

Federal Agencies

State Agencies

Counties and Municipalities

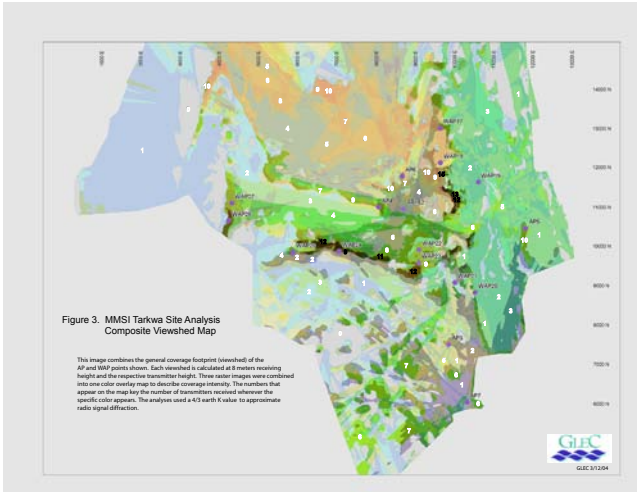
Environmental Organizations

Telecommunications Providers

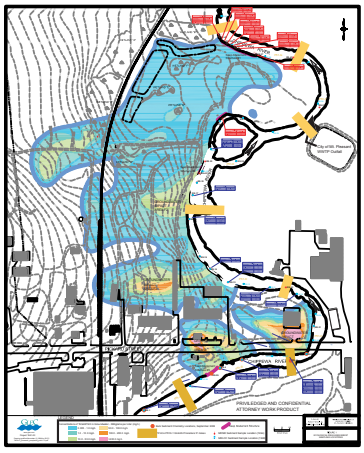
Power Generation Companies

Manufacturing Companies

The role of geographic information systems (GIS) in environmental problem-solving and communications continues to expand at a rapid pace. In the environmental sciences, virtually all critical data have a spatial component. Geographic information systems represent a series of processes and tools, whereby complex data are linked to earth-referenced features, manipulated through spatial analysis and database queries, and displayed as results in powerful multi-media maps. Managing and displaying data through GIS distills complex trends and relationships into accessible information.



GLEC's GIS clients receive innovative and cost-efficient solutions that stress maximum results with minimal complexity. We use the expanding wealth of public data and viewing tools to create meaningful and timely deliverables to support critical decision-making. GLEC GIS specialists utilize the latest versions of ESRI ArcView and MapInfo Professional application suites to provide a range of specialized GIS services, from map exhibits supporting environmental assessments to terrain and bathymetric analyses. GLEC's GIS practice is tightly integrated with our renowned expertise in environmental surveys/assessments, aquatic/terrestrial ecology, and environmental toxicology, lending further value to client GIS investments.



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