



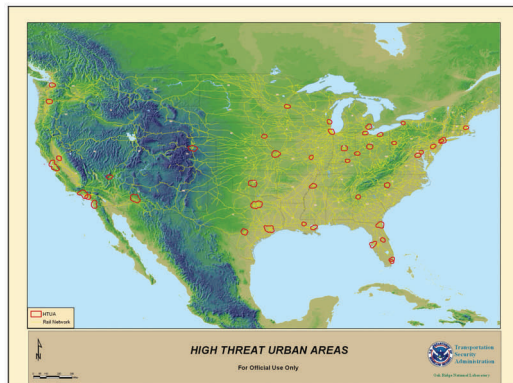
GeoSAT: GeoSecurity Analysis Tool

Center for Transportation Analysis
(CTA) Research Areas

- Aviation Safety
- Air Traffic Management Analysis
- Data, Statistical Analysis
- Geo-Spatial Information Tools
- Defense Transportation
- Energy Policy Analysis
- Environmental Policy Analysis
- Highway Safety
- Intelligent Transportation Systems
- Logistics Management
- Supply Chain Management
- Modeling and Simulation
- Transportation Operations
- Planning and Systems Analysis
- Transportation Security

GeoSAT is a geospatial information-based risk analysis tool that allows security managers and first responders to assess and prepare for risks from natural disasters and acts of terrorism. It can also be used by first responders to assess the initial impacts of a transportation security incident. **GeoSAT** focuses on transportation and other critical infrastructure systems within high-threat urban areas.

selected critical infrastructure, population center, national icon, hazardous material facility, or incident recovery unit;

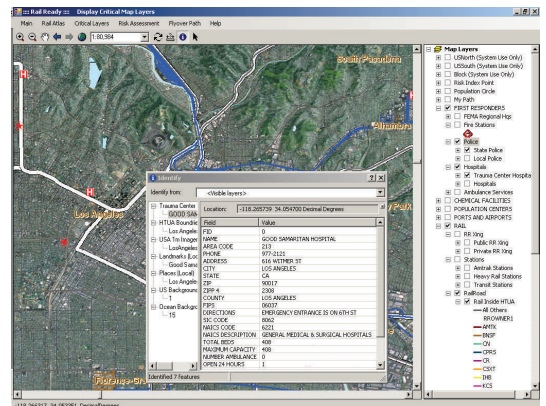


U.S. map showing the FY 2006 46 high-threat urban areas as defined by the U.S. Department of Homeland Security's Urban Areas Security Initiative (UASI) Program.

Functionality

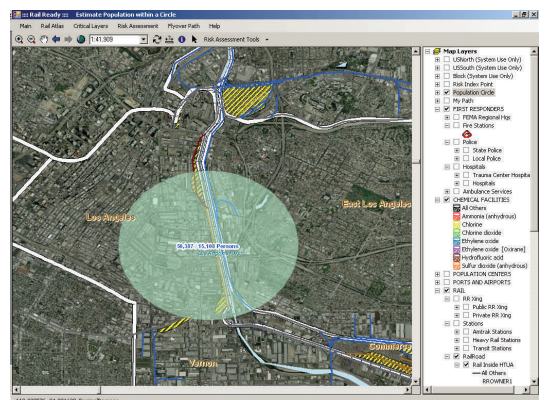
For each of the high-threat urban areas, **GeoSAT** provides four unique capabilities:

1. provides domain awareness with up-to-date digital maps of each area—equipped with more than twenty geo-spatial data layers with zoom-in and zoom-out features;
2. pinpoints location, attributes and emergency contact information for



An example of pinpointing location attributes and contact information for the Good Samaritan Hospital in Los Angeles, CA.

3. calculates the population at risk (both day-time and night-time) and a consequence index for the area within a one- (or two and one-half) mile radius of any location within the United States; and



An example of a population at risk for the area within a user-specified one-mile radius of the Alameda Corridor located in Los Angeles, CA.

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