



## *GeoCommunicator - Land Survey Information System*

GeoCommunicator ([www.geocommunicator.gov](http://www.geocommunicator.gov)) is an Internet website for the dissemination of spatial data from the National Integrated Land System and the Bureau of Land Management's (BLM) Land and Mineral Records System. The BLM is responsible for cadastral survey, land and mineral leasing, and resource management on public lands. The National Integrated Land System is a joint development project between the BLM and the U.S. Forest Service (USFS) conducted in partnership with states, counties, and private industry to provide a comprehensive solution for integrating survey data with parcel-based land records in an enterprise GIS environment.

### *Land Survey Information System*

The Land Survey Information System (LSIS) is the publication piece for the NILS Survey Management and Measurement Management modules for cadastral survey data as required by OMB Circular A-16 in support of the development and maintenance of the National Spatial Data Infrastructure. LSIS's geodatabase represents the Public Land Survey System (PLSS) of the United States and is computed from official land survey records. The survey records include official plats and field notes, local survey records, and geodetic control information. When spatial data for all states has been provided, the Land Survey Information System will be a complete **multipurpose cadastre** for the entire U.S.

The main data source for LSIS is the BLM's Geographic Coordinate Data Base and the USFS Automated Lands Project that has been processed through the National Integrated Land System application. Alternate source data for areas where the BLM has not collected data will be added over time.

The LSIS Internet-based application provides the ability to download the PLSS data in GIS shapefiles or as original (non-GIS) ASCII files called "Flat Files." With the help of geospatial selection tools, the user can select an area of interest and download the survey data in a single shapefile containing one or more townships. Entire counties, U.S. Forests, BLM administrative areas, and BLM 100K map areas are prepackaged for easy selection and quick download. Once the GIS data are downloaded to the desktop, they can be viewed or incorporated with other GIS data. The GIS layers contain FGDC compliant metadata.



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The data is also available as a map service. The map service allows the users to stream live data directly to their desktop with the use of GIS tools such as ArcExplorer. The PLSS data can be incorporated with other GIS data from the Internet or with local datasets. The LSIS Web site was released April 2002.

LSIS Internet/download site - <http://www.geocommunicator.gov/lsi>

LSIS map service- **Map Server:** <http://www.lsi.blm.gov> **Map Service Name:** BLM\_LSIS

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**National Integrated Land System (NILS)**

[www.blm.gov/nils](http://www.blm.gov/nils)

