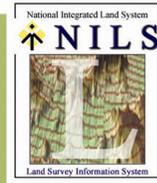


NILS



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National Integrated Land System

The National Integrated Land System (NILS) is a joint project between the Bureau of Land Management (BLM); USDA Forest Service (USFS); and state, county, and private organizations. NILS will provide a business solution to land managers who face an increasingly complex environment of complicated transactions, legal challenges, and deteriorating and difficult-to-access records.

As part of the NILS solution, the specialized fields of land surveying, land records management, and GIS technology are unified in an enterprise computer application. In-field mapping and data tools, a measurement management engine to analyze survey data, and parcel management operations are implemented in the application. The integration of surveying, parcel management, and GIS provides land managers with a complete field-to-fabric technology solution.

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 data can be viewed or "streamed" live to the user's desktop with the use of GIS tools such as ArcExplorer or through GeoCommunicator. The PLSS data can be incorporated with other GIS data.

The LSIS Internet site also provides the ability to download the PLSS data in GIS shapefiles or as original (non-GIS) ASCII files called "Flat Files." With 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. The LSIS Web site was released April 2002.

LSIS Internet/download site - <http://www.geocommunicator.gov/lsi>
LSIS streaming service- **Map Server:** <http://www.lsi.blm.gov>, **Map Service:** [BLM_L SIS](http://www.lsi.blm.gov)



Land Survey Information System Download Availability

