



**NILS GeoCommunicator Web Site**

GeoCommunicator ([www.geocommunicator.gov](http://www.geocommunicator.gov)) is the publication website for the distribution of spatial data from the U.S. National Integrated Land System and the Bureau of Land Management's Legacy Rehost 2000 (LR2000) System. The Bureau of Land Management (BLM), an agency in the Department of Interior, is responsible for cadastral survey, land and mineral use authorization, and resource management on public lands in the United States.

The National Integrated Land System (NILS) 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 to integrate survey data with parcel-based land records in an enterprise GIS environment. As part of the BLM's E-Government efforts and with the development of NILS, spatially displaying parcel data from many of the BLM's computer applications has never been easier or more complete.

NILS GeoCommunicator integrates the following products from NILS and the BLM's LR2000 System and makes them available to the public. The BLM is committed to making its services and information available to its citizens at any time and from any place.

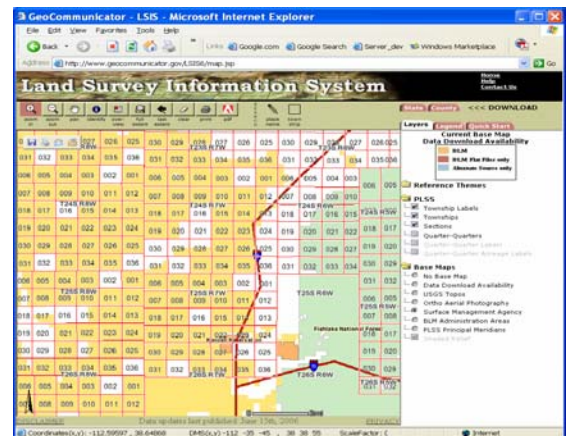
**Land Survey Information System - PLSS Land Grid**

The Land Survey Information System is the **official** federal distribution site for the Public Land Survey System (PLSS) data and other survey-based data. The PLSS traces its roots back to 1785, when the Continental Congress enacted the Land Ordinance to provide for surveying and describing land by reference to principal meridians and base lines.

The PLSS data were created by converting the BLM's Geographic Coordinate Data Base (GCDB) and the USFS's Automated Lands Project (ALP) data into the NILS geodatabase. The reformatted data was then used to create standard legal land descriptions known as the Public Land Survey System. The Land Survey Information System graphically displays the PLSS section lines, section corners, and Township/Range boundaries as a multipurpose cadastre which forms the foundation of many land information systems. The multipurpose cadastre provides a framework for the integration and display of land and parcel information from NILS and the BLM's LR2000.

The Land Survey Information System provides:

- An internet-based means to search, view, and download the PLSS and other survey-based data as GIS shapefiles in NAD83.
- Users can download the files by State, County, or township selection.
- PLSS data from the USFS and other agencies are also available for downloading as alternate source data.
- A map service that allows users to view or "stream" live data directly to their desktop with the use of GIS software or into their Web browser. Data from the map service are easily integrated with other data from the Internet or local datasets.



**Application and Download:** [www.geocommunicator.gov](http://www.geocommunicator.gov)  
**Map Server:** [www.geocommunicator.gov](http://www.geocommunicator.gov)  
**Map Service Name:** BLM\_MAP\_PLSS

**Display of the Public Land Survey System (PLSS) Over Federal Surface Management Agency boundaries**

## Federal Land Stewardship

Federal Land Stewardship is a display of land boundaries delineating the surface management agency for federal lands in the United States. Data is provided in NAD83 by the BLM, National Park Service, and the USFS at a scale of 1:100,000 or better. Other federal lands are shown as reported by the U.S. Geological Survey's National Atlas at a scale of 1:2,000,000.

The Federal Surface Management Agency map layer is available as a reference theme in all map viewers and as a "map service". The "map service" allows users to view or "stream" the federal surface management agency boundaries directly to their desktop with the use of GIS tools or into a GIS web map viewer. Data from the map service are easily integrated with other data from the Internet or local datasets.

**Application:** [www.geocommunicator.gov](http://www.geocommunicator.gov)  
**Map Server:** [www.geocommunicator.gov](http://www.geocommunicator.gov)  
**Map Service Name:** BLM\_MAP\_SURFACE\_MGT\_AGY



*Display of Federal Surface Management Agencies*

## Land and Mineral Use Records

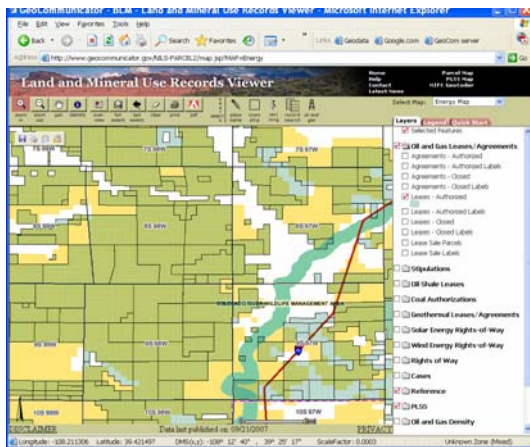
The spatial display of the land and mineral use records from the BLM's LR2000 System (<http://www.blm.gov/lr2000>) are available on NILS' GeoCommunicator. BLM's LR2000 system contains information on conveyances, unpatented mining claims, leases, permits, contracts, grants, agreements, mineral patents, and other use authorizations that were issued by the BLM. Use authorizations are issued to the public for commodities and uses such as oil and gas, coal, sand, gravel, grazing, communication sites, and roads.

The Land and Mineral Use Records application provides:

- An Internet-based, easy-to-use viewer to spatially or textually locate and display the land and mineral use authorization parcels and information.
- A subset of record information from the BLM'S LR2000 system displayed with BLM case serial number, authorization type, dates, and more.
- A choice of base maps, including federal surface management agency, orthophotography, shaded relief and topo maps can be toggled on/off for reference and map creation.

Not all land and mineral use records data are currently available. GeoCommunicator is updated biweekly.

**Application:** [www.geocommunicator.gov](http://www.geocommunicator.gov)  
**Map Server:** [www.geocommunicator.gov](http://www.geocommunicator.gov)  
**Map Service Name:** BLM\_MAP\_GEOTHERMAL  
BLM\_MAP\_MINING\_CLAIMS  
BLM\_MAP\_OIL\_AND\_GAS  
BLM\_MAP\_SOLID\_MINERAL, etc



*Energy Viewer showing Federal Surface Ownership, O&G Leases*

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