



BLM GeoCommunicator

GeoCommunicator (www.geocommunicator.gov) is a Website for the distribution of spatial data from the U.S. National Integrated Land System and the Bureau of Land Management's Land and Mineral Records 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 is becoming a reality.

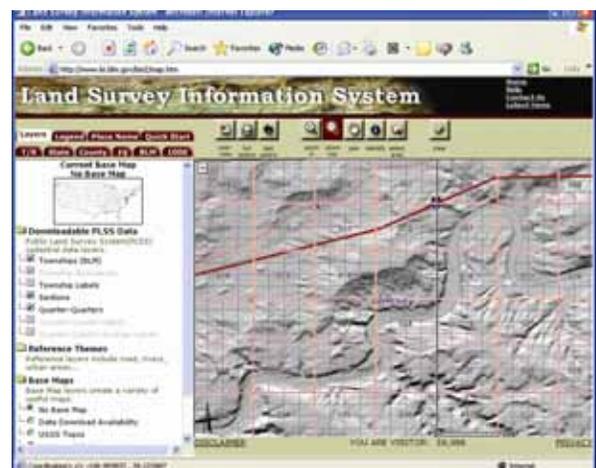
GeoCommunicator integrates the following products from NILS and the BLM's Land and Mineral Record System and makes them available to the public. The BLM is committed to making our services and information available to our citizens at any time and from any place.

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 Land and Mineral Records System.

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 or ASCII Files in NAD83. Users can select an "area of interest" graphically or by place name and then download the survey data in a single shapefile containing one or more townships.
- Prepackaged areas (counties, National Forests, and BLM) are available for quick download.
- PLSS data from the USFS and other agencies are also available.
- 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.



*Display of the
Public Land Survey System (PLSS)
over shaded relief*

Application and Download: www.geocommunicator.gov/lsi
Map Server: www.lsi.blm.gov/
Map Service Name: BLM_LISIS



National Integrated Land System (NILS)

www.blm.gov/nils



Federal Land Stewardship

Federal Land Stewardship is a display of land boundaries delineating the surface management agency for federal lands in the U.S. 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.

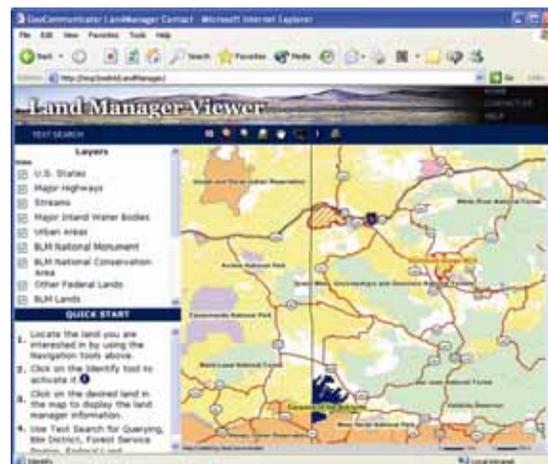
The Federal Land Stewardship application provides:

- An Internet-based, easy-to-use viewer to spatially or textually search, locate, and view the federal surface management agency for a parcel of land.
- Contact information for the federal surface management agency.
- A 'map service' for the federal ownership layer allowing users to view or "stream" live data directly to their desktop with the use of GIS tools or into their Web browser.

Application: www.geocommunicator.gov

Map Server: www.lsi.blm.gov/

Map Service Name: BLM_SURFACE_MGT_AGY



Display of Federal Surface Management Agencies

Land and Mineral Use Records

The spatial display of a portion of the land and mineral use records from the BLM's Land and Mineral Recordation System - LR2000 (<http://www.blm.gov/lr2000>) is now available as the BLM integrates our text-based land and mineral records information with the spatially-based NILS. BLM's LR2000 system contains information on unpatented mining claims, leases, permits, contracts, grants, agreements, mineral patents, and other use authorizations that were issued by the BLM from 1982 to present. Use authorizations are issued to the public for commodities and uses such as oil and gas, coal, sand, gravel, grazing, communication sites, and roads.



Display of Mining Claims

For more information contact:

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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 parcel information.
- A subset of record information from the BLM LR2000 system displayed with BLM case serial number, authorization type, dates, and more.
- A choice of base maps, including orthophotography, shaded relief and topo maps that can be toggled on/off for reference and map creation.

Not all land and mineral use records data are currently available. More data will become available as more types of use authorizations are converted to the NILS format. Check the GeoCommunicator Website for current listings.