



GEO-ENABLING GOVERNMENT BUSINESS PRACTICES

BUREAU OF LAND MANAGEMENT

NATIONAL INTEGRATED LAND SYSTEM GEOCOMMUNICATOR



Background: Federal land stewardship and survey information is critical for understanding land ownership, health and use across the United States.

Value Statement: The Bureau of Land Management and U.S. Forest Service have created the National Integrated Land System (NILS) GeoCommunicator website to offer free BLM and USFS data in multiple forms, including interactive maps, map services, web services, and downloadable data (www.geocommunicator.gov).

What Does the NILS GeoCommunicator Offer?

- **Land and Mineral Use Records Viewer:** Provides an interactive map and links to reports from the Legacy Rehost 2000 (LR2000) system and the Range Authorization System (RAS). A number of data layers are available at this site, including Cases that Affect Land Status, Oil, Gas, Coal, Geothermal, and other mineral Leases, Logical Mining Units, Wind and Solar Energy, Rights-of-Way, Unpatented Mining Claims, Plans/Notices, and *many* more.
- **Site Mapper Viewer:** An interactive map used to graphically display all map layers within the Land and Mineral Use Records Viewer and additional layers such as Abandoned Mines, BLM Buildings, BLM Campgrounds, BLM Recreational Sites, and Watersheds.
- **Land Survey Information System (LSIS):** A map viewer that distributes the Public Land Survey System (PLSS) data in NAD83 in shapefile format. Data available include Townships, Sections, Subdivisions of Sections, and Metadata.
- **Healthy Lands Viewer:** Allows users to view data for the federal surface management agency boundaries for public lands within the United States. Some of the data include Range Allotments & Herd Areas, Impaired Watersheds, Section 303 Listed Waters, BLM Administrations Sites, BLM Buildings, and *many* more.
- **Map and Data Services**
 - **Image and Feature Services:** Most data layers are available as image and feature services that can be used with your local GIS for streaming, exporting data, and map making.
 - **Township Geocoder:** The Township Geocoder allows for the conversion between Latitude and Longitude values into Township, Range and Section values and vice-versa.
 - **Derive and Find Land Description (LD):** Web services to derive a land description containing meridian, township, range, section and aliquot based on a sketch or find the LD from entering a land description and have the LD coordinates and a polygon on a map returned.
 - **NILS Survey Data Exporter from LSIS:** Provides the capability to acquire survey and survey-based data for townships within the Public Land Survey System as points, lines, and control points in different formats (KML, GeoRSS, List, and GPX).



For Additional Information, Please Contact:

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