GeoCommunicator
www.geocommunicator.gov

Tips and Tricks: Email a Link to GeoCommunicator's Interactive Map Using Lat/Long

Want to email a link to GeoCommunicator's map? GeoCommunicator allows users to specify latitude and longitude coordinates for the map. Specifying coordinates allows users to copy and email the link for a specific map to others. The procedure below gives a detailed explanation on specifying latitude and longitude coordinates.

1. Connect to GeoCommunicators map viewer at: http://www.geocommunicator.gov/NILS-PARCEL2/map.jsp?.

2. Add longitude to the hyperlink by adding **Long=coordinate** after map.jsp.

3. Add latitude to the hyperlink by adding **&Lat=coordinate** after the longitude coordinates.

4. Add the map type to the hyperlink by adding **&MAP=Map Type** after the latitude coordinate. Use the following for the Map Type:
   - OG for Oil & Gas
   - MC for Mining Claim
   - GA for Grazing Allotment
   - SM for Solid Minerals
   - GT for Geothermal

   To add a label to the map, such as "This is my area of interest", add the following to the end of the URL: **&Label=This%20is%20my%20area%20of%20interest**

Example: If Longitude = -107.542, Latitude = 40.515, & Report Type is Oil & Gas then: http://www.geocommunicator.gov/NILS-PARCEL2/map.jsp?Long=-107.542&Lat=40.515&MAP=OG&Label=This%20is%20my%20area%20of%20interest

To test the link, copy and paste the URL to a browser. This will bring up the GeoCommunicator map (Figure 1) and zoom to the coordinates specified.

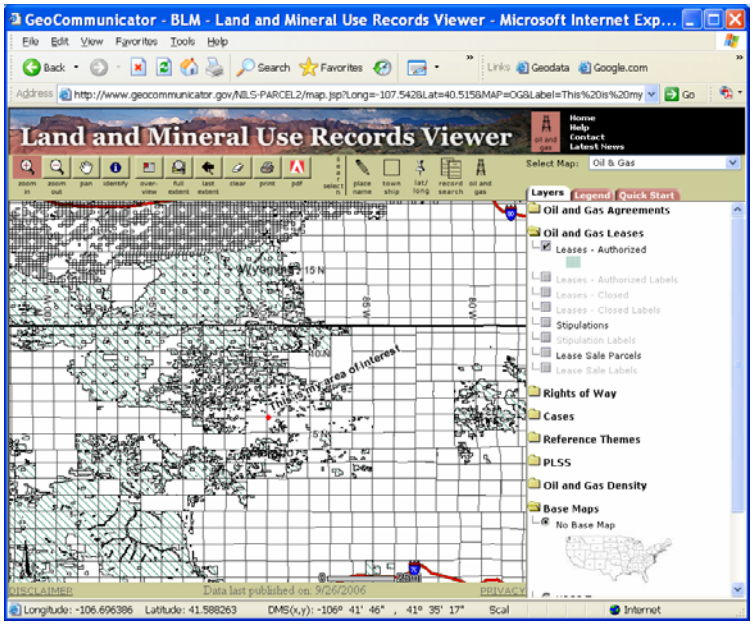

Figure 1 Showing Oil and Gas map zoomed to lat/long in GeoCommunicator

Using Lat/Long with GeoCommunicator to bring up the Identify tool

GeoCommunicator allows users to use the Identify in NILS' GeoCommunicator by passing latitude and longitude values. This function allows others to add the GeoCommunicator Identifier to their own application. The Identify Tool will give you the legal description of the selected area and information about the authorizations on the land, as well as links to LR2000 reports. The Search and Zoom features will not work in your application. The procedure below gives a detailed explanation on how to bring up the GeoCommunicator Identify window by passing latitude and longitude coordinates.

1. Connect to Geocommunicator identify tool at: http://www.geocommunicator.gov/blmMap/identify_plss.jsp
2. Add the minimum latitude value by adding **?iXmin=Coordinate** after identify_plss.jsp on the hyperlink.
3. Add the minimum longitude value by adding **?iYmin=Coordinate** after the min latitude coordinate.
4. Add the maximum latitude value by adding **?iXmax-Coordinate** after the min longitude coordinate.
5. Add the maximum longitude value by adding **?iYmax=Coordinate** after the max latitude coordinate.
6. Hit enter to search NILS for reports in the coordinates specified.

Maximum and minimum values cannot be equal because the minimum bounding rectangle cannot equal a single point. To avoid having the maximum and minimum term be considered equal add one more decimal place to either term.

Example: If minimum latitude is -108.62576, max latitude is -108.6257, min longitude is 43.2555 and the max longitude is 43.25554 then:
http://www.geocommunicator.gov/blmMap/identify_plss.jsp?iXmin=-108.6257&iYmin=43.2555&iXmax=-108.62576&iYmax=43.25559

Note: To convert coordinates from Universal Transverse Mercator to latitude and longitude use the NGS utility at: http://www.ngs.noaa.gov/TOOLS/utm.shtml.

The Identify window provides the legal land description and also gives LR2000 reports. The PLSS tab in the section labeled "Subdivision of Sections" provides the legal land description for the coordinates specified (Figure 2). The other tabs provide the information about the BLM use authorizations in the area as well as links to LR2000 reports (Figure 3).

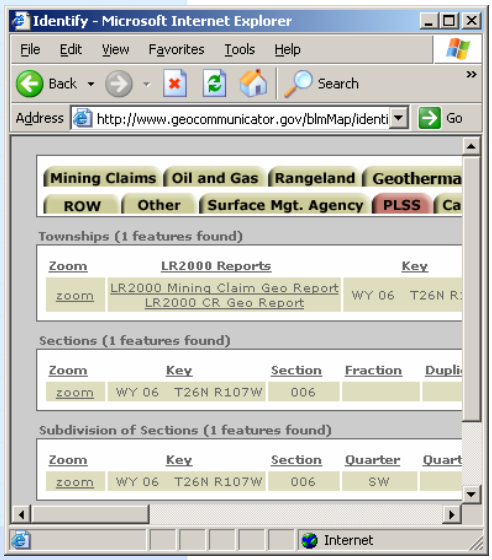

Figure 2

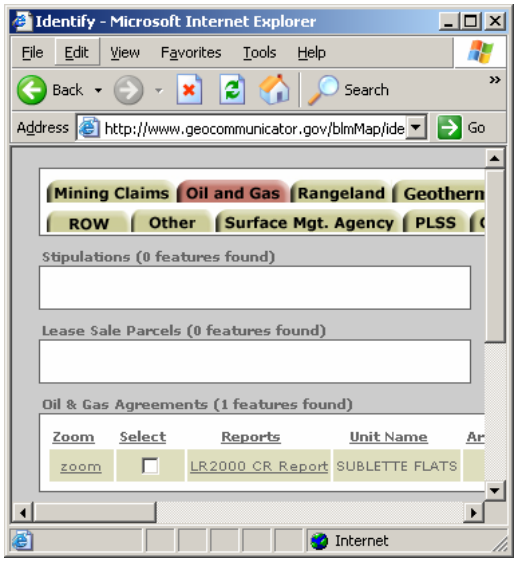

Figure 3

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