

NM Resource Geographic Information System Program – RGIS

User Guide

Access RGIS in any Web browser at <http://rgis.unm.edu>.

The screenshot shows the RGIS New Mexico Resource Geographic Information System Program homepage. The header features a landscape image and the title "RGIS New Mexico Resource Geographic Information System Program". Below the header is a navigation bar with links: Home, About, FAQ, Feedback, User Guide, Glossary, Web Services, Order Help, Get Data, Log in, and Register. A "Quick Search Bar" is located on the left, and "Browse for Data" and "Advanced Search" links are on the right. The main content area is titled "Welcome to the RGIS Clearinghouse" and contains a paragraph about the program. Below this are three icons: "Browse for Data", "Advanced Spatial Search", and "Web Services". A "Twitter Box" is located on the right side of the page, displaying a list of tweets. The footer includes a globe icon, copyright information, and a link to the webmaster.

Quick Search Bar

Main Menu

Hyper Links

Icon Links

Twitter Box

Figure 1: RGIS Home Page

RGIS Home

The RGIS Home page contains the **Main Menu**; **Quick Search** bar; hyperlinks for **Browse for Data** and **Advanced Search**; icon links for **Browse for Data**, **Advanced Spatial Search**, and **Web Services**; and a **Twitter** box.

Main Menu

The Main Menu is located just below the NM RGIS banner. This has eleven hyperlinks: Home, About, FAQ, Feedback, User Guide, Glossary, Web Services, Order Help, Get Data, Log in, and Register.



Figure 2: Main Menu

Home displays the Home page of the NM Resource Geographic Information System Program.

About displays information about the NM RGIS Program.

FAQ opens a page of Frequently Asked Questions related to accessing and using data from RGIS.




Feedback allows the user to send feedback, suggestions, or questions regarding the RGIS Program to the Webmaster. Fill in the text boxes: Subject (required), Message (required), Your email address, and the Captcha security words (required). For the Captcha box, enter the two words separated by a space in the Captcha textbox, which is shown below. If you are unable to read the displayed words, click on the refresh  icon for new words. If you have speakers or any audio device, you can listen to the displayed words by clicking on the audio  icon. The Help  icon provides more instructions on using Captcha.



Figure 3: Captcha Box

User Guide opens the NM RGIS Program User Guide.

Glossary opens a page with definitions for terms common in GIS documentation.

Web Services opens a page providing details about the Open Geospatial Consortium (OGC) service standards supported by RGIS. This page also gives information on using these services to directly access RGIS data and map products without having to download individual data files.

Order Help gives information on how to order data from the RGIS Clearinghouse.

Get Data displays a drop-down menu to locate and access NM GIS data. The options are **Browse Data** and **Advanced Spatial Search**. Or, follow the links for the **Browse for Data** and **Advanced Search** in the upper right corner of the RGIS home page, under the Main Menu. Also, follow the icon link for **Browse for Data** and **Advanced Spatial Search** on the RGIS home page under “Welcome to the RGIS Clearinghouse” heading.

Log In displays a dialog box that allows the user to log in to the RGIS Web site.

Register opens a page for creating a user account in RGIS.

Quick Search Bar

This search bar allows users to perform a quick search on the data they are looking for, by title and by place.

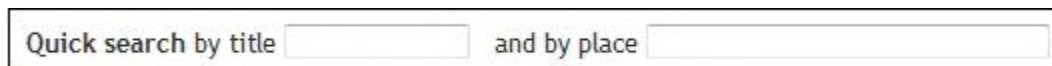
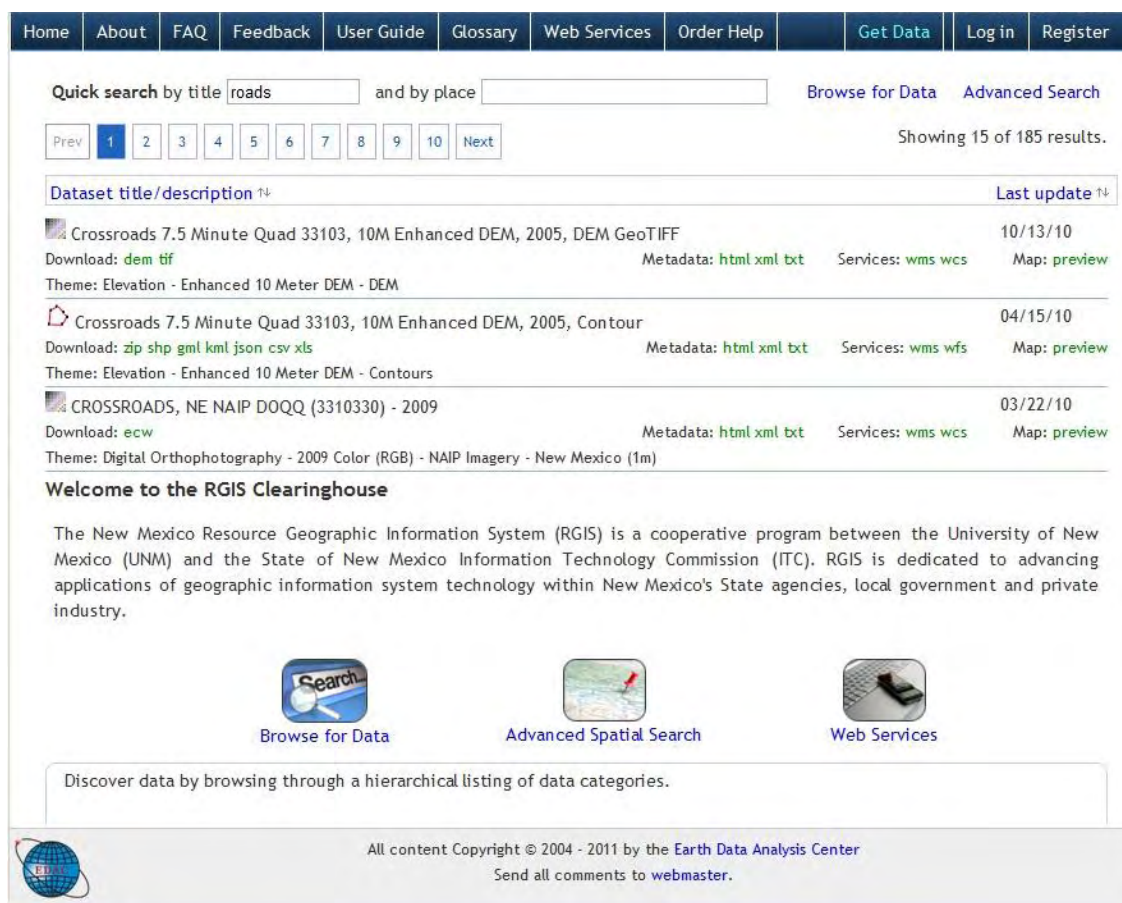


Figure 4: Quick Search Bar

- **By Title:** Start typing the name or title of the data you are looking for and hit enter. The search results will be displayed on the home page. Clear the title textbox by selecting the entered title and hitting backspace. This erases all the searched results and returns to the default home page.



Home About FAQ Feedback User Guide Glossary Web Services Order Help Get Data Log in Register

Quick search by title and by place

[Browse for Data](#) [Advanced Search](#)

Prev 1 2 3 4 5 6 7 8 9 10 Next Showing 15 of 185 results.

Dataset title/description ↑↓	Last update ↑↓
Crossroads 7.5 Minute Quad 33103, 10M Enhanced DEM, 2005, DEM GeoTIFF Download: dem.tif Metadata: html xml txt Services: wms wcs Map: preview Theme: Elevation - Enhanced 10 Meter DEM - DEM	10/13/10
Crossroads 7.5 Minute Quad 33103, 10M Enhanced DEM, 2005, Contour Download: zip shp gml kml json csv xls Metadata: html xml txt Services: wms wfs Map: preview Theme: Elevation - Enhanced 10 Meter DEM - Contours	04/15/10
CROSSROADS, NE NAIP DOQQ (3310330) - 2009 Download: ecw Metadata: html xml txt Services: wms wcs Map: preview Theme: Digital Orthophotography - 2009 Color (RGB) - NAIP Imagery - New Mexico (1m)	03/22/10

Welcome to the RGIS Clearinghouse

The New Mexico Resource Geographic Information System (RGIS) is a cooperative program between the University of New Mexico (UNM) and the State of New Mexico Information Technology Commission (ITC). RGIS is dedicated to advancing applications of geographic information system technology within New Mexico's State agencies, local government and private industry.

[Browse for Data](#) [Advanced Spatial Search](#) [Web Services](#)

Discover data by browsing through a hierarchical listing of data categories.

All content Copyright © 2004 - 2011 by the [Earth Data Analysis Center](#)
Send all comments to [webmaster](#).

Figure 5: Quick Search 'by title'

The available options for downloadable file formats are displayed below each data set along with other options for viewing Metadata, Web Services, and the Map preview. Also, the theme to which the dataset belongs is displayed below each result name and the date the file was updated.



Figure 6: File download options

- **By Place:** Start typing the place name in the textbox next to 'by place.' A drop-down menu of filtered options will appear. Select the place name and hit enter. The results obtained will be displayed on the home page.



Figure 7: Quick Search 'by place'

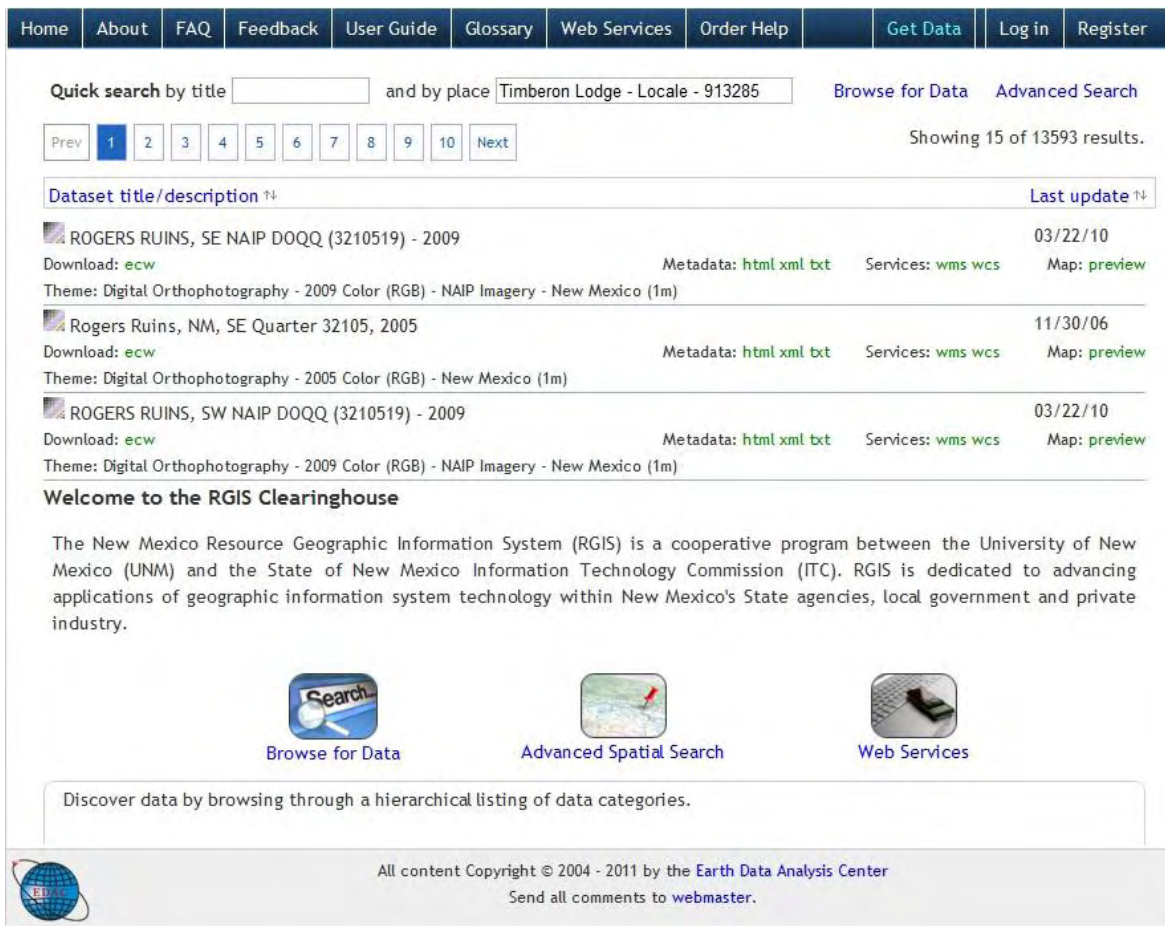


Figure 8: Example of Quick Search 'by place'

- **By Title and By Place:** Start typing the name or title in the 'by title' textbox and filter the results specific to a location by selecting a place name from the drop-down menu in the 'by place'

textbox. The drop-down menu appears when the user starts typing the place name in the 'by place' textbox.

Browse Data and Advanced Spatial Search

Data can be located and accessed by clicking the hyperlinks **Browse for Data** and **Advanced Search** on the upper right-hand corner below the Main Menu. Alternatively, follow the icon links for the **Browse for Data** and **Advanced Spatial Search** on the RGIS home page under "Welcome to RGIS Clearinghouse" heading. The icon link will display a textbox with a description of the link on hover.

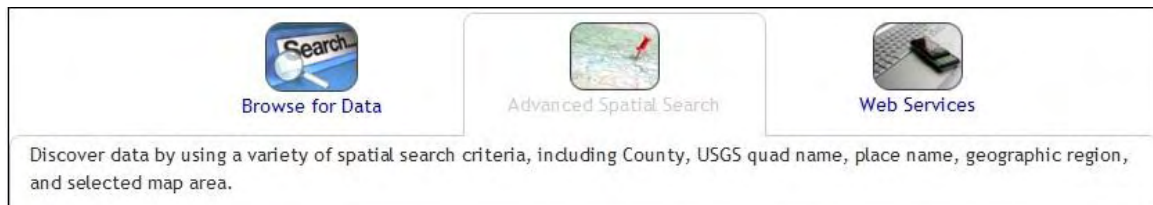


Figure 8: RGIS Menu

Browse for Data

The Browse for Data page allows users to browse data through the catalog structure. It allows filtering data either by **Title**, by **Date updated** and by **Theme** or by any combination of the filters. The displayed data sets can be filtered further by **Define Area of Interest by** Place name or Quad name. The Browse Data page initially displays the data sets for all the available themes. The name of current theme is displayed on top of the results window. The results for a specific theme can be viewed by clicking on a theme from the catalog structure.

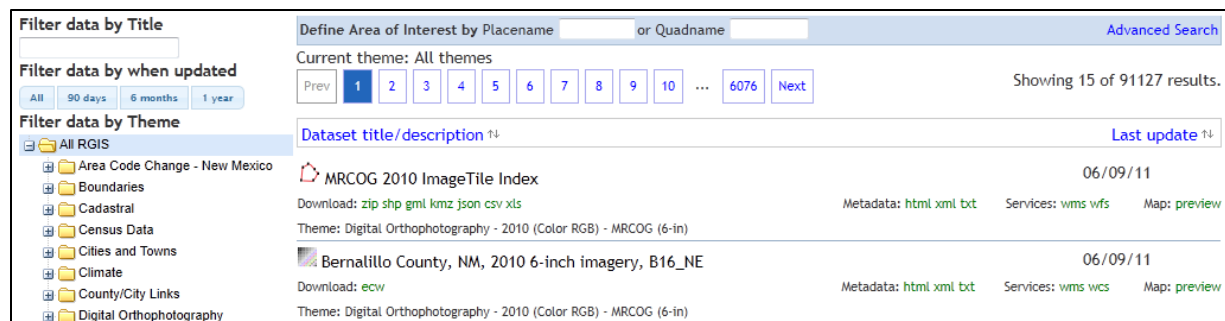


Figure 9: Browse Data page

- To **Filter Data by Title**, type the title in the text box below and hit enter. The resulted data sets from all themes are displayed in the results table on the right hand side of the page. To view the results by a specific theme click on a theme from the catalog structure.
For Example: Enter the title as 'Bernalillo' and the results for Bernalillo for all the themes are displayed. To view the results specific to a theme click on the theme within the catalog structure.
- To **Filter Data by when Updated**, click on the available options – *All, 90 days, 6 months, 1 year*.
- To **Filter Data by Theme** from the available theme categories click on the 'plus' button shown in front of the folder. This expands the data set folder to show the subsets of data in each category. Click on the data set icon to view the datasets available in that particular subset. The available data sets of the current theme are displayed in the Results column on the right-hand side.

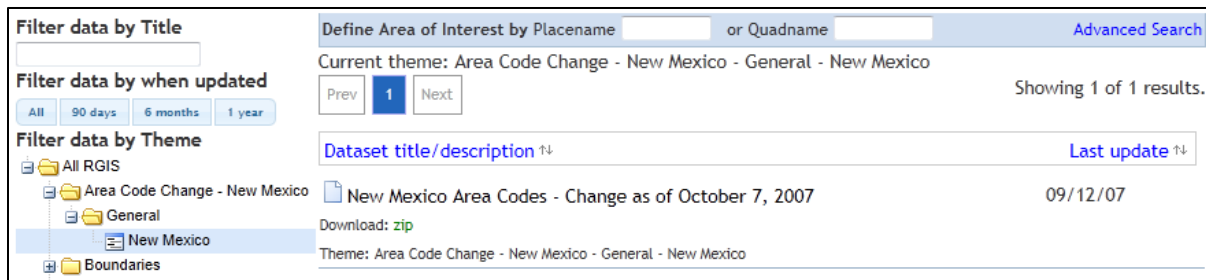


Figure 10: Browse Data Example

- **Define Area of Interest** can be used to filter the displayed data sets by entering the place name or quad name of the area of interest in the respective text boxes next to ‘by place name’ or ‘by quad name.’

The icons displayed in front of each data set in the Results table tell about the type of file, whether it is a vector, raster image, vector or raster virtual mosaic, or static file dataset. The icon legend is shown below the browse data page under the data themes.

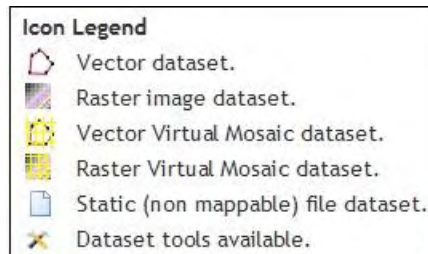



Figure 11: Data set icon Legend

Advanced Spatial Search

Advanced spatial search allows the user to search the data spatially by drawing a box on the map to select the data sets available at an area of interest along with the **Browse for Data** functionality such as Filter by **Title**, by **Date Updated**, and/or by **Theme**.

The map functionality includes: *Full Extent*, *Zoom In*, *Zoom Out*, *Pan*, *Draw an Area of Interest* and *Reset*. The scale bar is located on the lower left side and the coordinates of the mouse pointer (cursor)/ extent of the drawn box are displayed at the lower right side of the map window.

To draw an Area of Interest click on the  icon and draw a box by clicking on the map, hold the left hand mouse button down and select a point or draw a box. Data sets for that point or box will be listed in the Results window below the map. The results can be further narrowed by selecting the themes from the catalog tree. The foot prints of the data sets are displayed on the map in a blue box (shown in Figure: 12). To turn off the layer foot prints expand the **Layers** drop down and uncheck the Results option. The layers drop down also allows user to check/uncheck the Area of Interest, Results and RGIS Base Maps. By default all the options are checked.

Results may also be further filtered using the **Define the Area of Interest** by Place name or by Quad name option. The results of the search are displayed below the map window. The Advanced Spatial Search page initially displays all the available data sets.

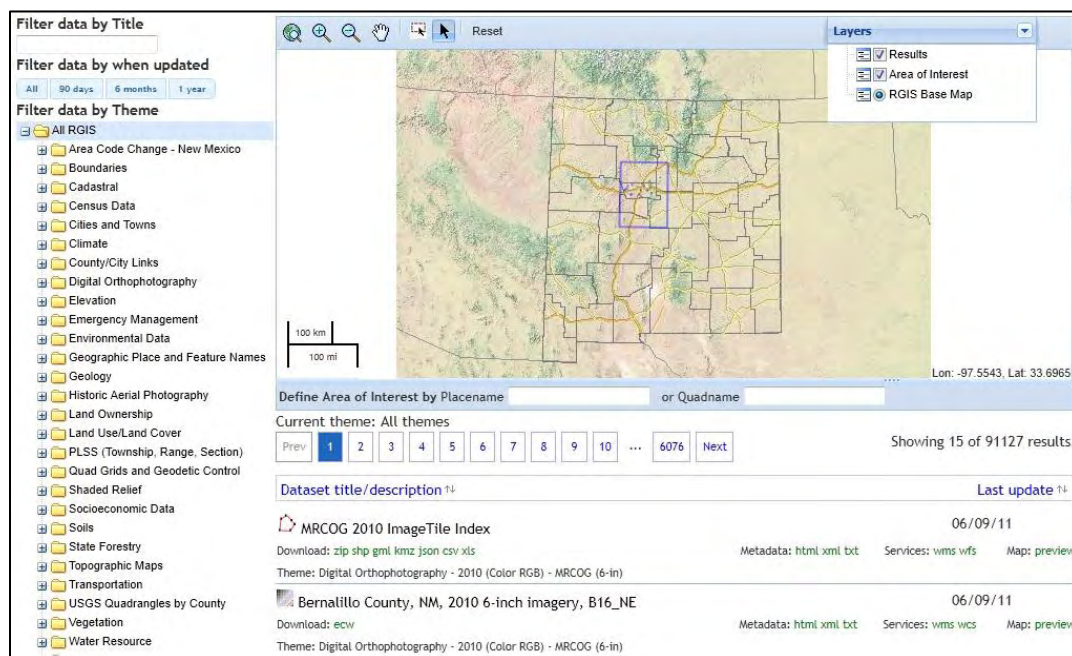


Figure 12: Spatial Search Page

Twitter Box

Twitter box displays the tweets about the New Mexico Resource Geographic Information System Program. Users can follow NM RGIS on Twitter **@nmrgis**.