The *GeoData@Wisconsin* Geoportal

About

GeoData@Wisconsin is a geoportal designed to provide single-source discovery and access to Wisconsin geospatial data. The geportal combines an intuitive map-based search interface, along with traditional text-based search capabilities.

GeoData@Wisconsin was developed and is maintained by the Robinson Map Library and the Wisconsin State Cartographer's Office at the University of Wisconsin-Madison.
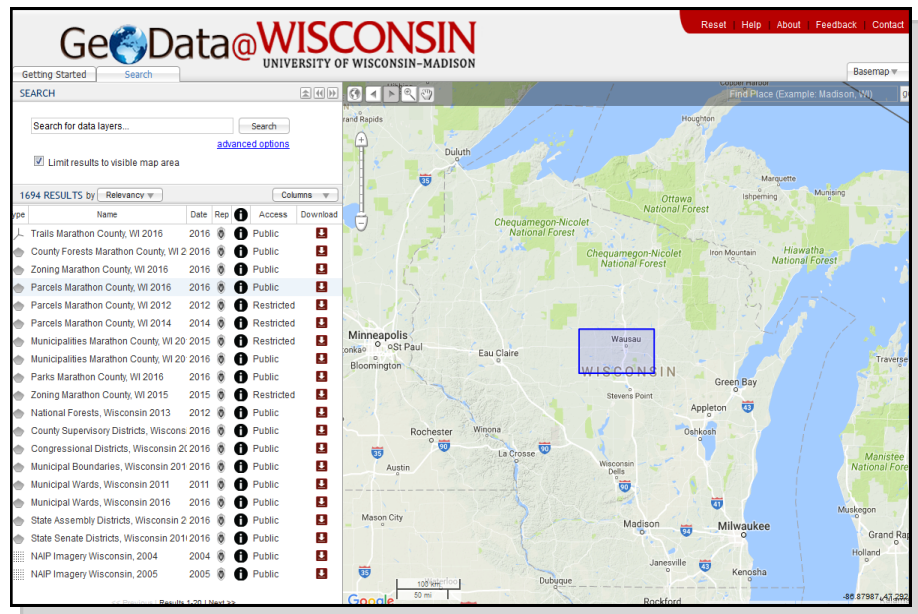
User Community

While much of the content contained in *GeoData@Wisconsin* is publicly available, there are some datasets that are available to University of Wisconsin System users only.

Data Holdings

The datasets available for download from *GeoData@Wisconsin* are acquired each year from state agencies, counties, municipalities, and regional planning commissions, then archived for long-term preservation in the Robinson Map Library. Providing access to historic as well as the most current information for places around Wisconsin makes the collection useful for temporal comparisons.

Currently, the primary data layers collected at the county-level are tax parcels and assessment data, zoning information, address points, transportation networks, municipal boundaries, land use inventories, hydrography, parks and open space, forests, recreation and trails.

maps.sco.wisc.edu/opengeoportal

State agency data includes information from the Wisconsin Department of Natural Resources, Legislative Technology Services Bureau, Department of Agriculture, Trade and Consumer Protection, as well as access to statewide orthoimagery and LiDAR DEMs from WisconsinView (wisconsinview.org).

Metadata

Metadata for every dataset within the geoportal is viewable directly from the application so users can find out more about the data before they download it. Records are created by Robinson Map Library staff in an effort to create discoverability of the data, and can be viewed in the geoportal by clicking the "i" icon next to a data layer name in the results list.

Some records point directly to other online sources where data can be accessed, including the orthoimagery records for Wisconsin NAIP and WROC imagery. While discoverable from *GeoData@Wisconsin*, the download link brings users directly to the WisconsinView portal where the imagery can be directly accessed. Additionally, viewing the metadata records provides the user with alternative links to where content can be accessed in different ways (e.g., web services, REST endpoints, etc.).

Searching and Downloading

There are two ways to search for data. The two methods can be used individually or combined for more effective search.

GeoData@Wisconsin search and download functions

Use the *basic* or *advanced* text search to search for data by place or theme keyword(s). Or use the interactive map to search for data by relevant geographic extent. Interacting with the map will perform a search for relevant data:

- Enter a place in the **Find Place** field to zoom to a location

- Click the **Zoom** or **Pan** tool and drag the map with the mouse

- Double-click to zoom in on an area

- Hold down shift and click-drag a box to zoom to an area

Data can be downloaded by clicking on the download arrow.

Click on **Basemap** to change the background layer used for visualizing the extent or bounding box of data sets.

Application Information

The Open Geoportal project (opengeoportal.org) is a consortium of several universities and organizations to help facilitate the discovery and acquisition of geospatial data across organizations and platforms.

In collaboration with Harvard and MIT, Tufts is leading the development of this open source, federated web application to rapidly discover, preview, and retrieve geospatial data from multiple repositories.

The project has grown from a handful to a couple dozen partners. Built on open source technology, the Open Geoportal provides organizations the opportunity to share thousands of geospatial data layers, maps, metadata, and development resources through a common interface.

Accessing GeoData@Wisconsin

To access the geoportal, visit the Robinson Map Library website (maplib.geography.wisc.edu) or the State Cartographer's Office website (maps.sco.wisc.edu/opengeoportal).

Additional information and a complete inventory of the library's geospatial data archive holdings is also available from the Robinson Map Library site.

Contact Information

Questions or comments can be directed to the Robinson Map Library:

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