

# Ohio's State Historic Preservation Office Mapping User's Guide

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# Getting Started

The Ohio SHPO's mapping system for historic preservation research is an interactive mapping platform that allows users to locate, view, and analyze historic and cultural resources across the state. Designed to support research, planning, and preservation efforts, the system includes data on National Register of Historic Places Listings, historic buildings, archaeological sites, districts, cemeteries, and other related data. Users can search and view these resources through detailed map layers, perform spatial queries, create maps and export data.

Access to the mapping system is limited to historic preservation professionals, academic researchers and relevant government agencies.

## Register for an Account

For information on how to register for a mapping account follow [this link](#). All registration requests are subject to approval based on professional or academic need.

## Multi-factor Authentication

Activating your OSHPO mapping account requires the use of a multi-factor authentication app used on a mobile device.

Free authentication applications are available for Android and iOS devices, on the applicable device store. Common applications include the Google Authenticator, Microsoft Authenticator, and DuoSecurity.

## Accessing the Mapping Site

Registered users with an active mapping subscription can access the mapping site [here](#), [OSHPO Mapping Site](#).

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# Available Resources

## National Register of Historic Places

- National Register listings (points)
- National Register Boundaries (polygons)

## Ohio Historic Inventory

- OHI points
- OHI Area Numbers
- Historic PSA

## Ohio Archaeological Inventory

- Archaeological Inventory (points)
- Archaeological Boundaries (polygons)

## Federal Tax Credit Projects

- Federal Tax Credit Projects (points)

## SHPO Determinations

- Historic Determinations (points)
- Archaeology Determinations (points)
- Determination Boundaries (polygons)

## Previously Surveyed Areas

- Archaeological Surveyed Areas (polygons)
- Historic Surveyed Areas (polygons)

## Recent Submissions (Survey123)

- Archaeological Inventory (points)
- Historic Inventory (polygons)

## Cemeteries

- Cemeteries (points)

## Historic Bridges (ODOT)

- Historic Bridges

## Remarkable Ohio Historic Markers

- Remarkable Ohio Markers (points)

## Supporting Data

- Counties
- Quadrangle Boundaries
- Townships
- UTM Zones
- Political Districts
- Physiographic Regions
- Glacial Geomorphology

# Map Basics

## Map Interface Overview

- **Map Display Area:** The main window where map layers are visualized.
- **Toolbar:** Contains interactive tools (search, measure, print, etc.).
- **Layer List:** Toggle visibility of map layers.
- **Legend:** View map symbology.
- **Search Bar:** Quickly find addresses, or SHPO resources.

## Map Navigation

- **Zoom In/Out:** Use your mouse scroll wheel or the + / - buttons.
- **Pan:** Click and drag the map to move around.
- **Bookmarks:** Jump to predefined areas of interest.

## Toolbar

The toolbar can be accessed by clicking the Tools button in the top right of the map. Tools are divided into tabs and offer an array of options for navigating, searching and manipulating the map.

### Tools

- **Home:** Opens the Home panel
- **Layers:** Opens the Layers panel
- **Legend:** Opens the Legend panel
- **Basemaps:** Used to change the basemap, i.e. aerials, topographic.
- **Bookmarks:** Opens the Bookmarks window and allows users to save a location on the map, or revisit bookmarked locations.
- **Identify:** Used for identifying map resources. It can be used to drag and select multiple resources.
- **Query:** Used for advanced search of attributes.
  - **Filter:** Filters resources based on set criteria and only matching records will be displayed on the map.
  - **Print:** Creates a downloadable PDF map. Users can set the title and add notes.

## Draw

- **Notes:** Adds text and labels to the map.
- **Draw:** Add point and shapes to the map.
- **Measure Distance:** Click two or more points.
- **Measure Area:** Click around a polygon. Results are shown in selected units (feet, meters, etc.).
- **Buffer:** Selects resources within a set distance.
- **Coords:** Used to plot coordinates on the map.
- **Clear Markup:** Removes and user created drawings from the map.
- **Enable Snapping:** Allows drawings to connect to existing features.

## Share

- **Save Project:** Saves the current map extent, labels and added data for later use.
- **Load Project:** Open saved projects.
- **Share Link:** Creates a sharable hyperlink and QR code for sharing the map with others.

## Data

- **Layers:** Open the Layers panel.
- **Layer Slider:** The layer slider is used to compare map layers. Moving the slider from one side to the other will remove certain layers from the map.
- **Add Layer:** Allows data from ArcGIS Online and Living Atlas to be added to the map. Users can save favorites using Living Atlas.
- **Upload Layer:** Allows shapefiles to be added to the map.

## Reset

Tools to clear the map of any user created features or selected data.

- Highlights
- Drawings
- Filters
- Markers
- Results

## Workflows

- SHPO Resource Search
- Export Results - Export selected resources as shapefiles or excel.



# Finding a Resource or Location

There are a variety of methods to search for addresses, coordinates and SHPO Resources. Basic searches can be performed using the Search window, advanced searches can be performed with the Query Builder tool, and project specific searches of all SHPO Resources can be completed using the SHPO Resource Search tool.

## Search Window

Located in the top right of the map, the Search Window can be used to search for addresses, coordinates and a variety of SHPO resources.

### Searching Addresses

1. Enter a complete address including city and click the magnifying glass or hit enter. The tool will suggest addresses as you type.
2. Results will appear in the left window. The tool may present you with multiple results. Double click "World Geocoder for ArcGIS" to see a complete list of addresses.
3. Double click the address to view more details.
4. In the details window click Zoom to Feature to zoom the map to the selected address.

### Plotting Coordinates

Latitude and longitude coordinates can be entered in a variety of formats.

- 40.00487575N 82.98751518W
- 40.00487575 -82.98751518
- 40°00'17.552"N 82°59'15.054"W

Results are presented in the results panel. Select a result to zoom to the location.

## Searching for SHPO Resources

The Search Window can search through SHPO layers for a variety of keywords, such as inventory numbers, project numbers, addresses, site names, project names and report titles. For example, searching the term “Serpent Mound” will return a list of results from SHPO layers such as NR listings, Archaeological Inventory, Historic Inventory and Previously Surveyed Areas.

### Searchable Fields

- **National Register:** NR Reference Numbers, Resource Name, Address
- **Historic Inventory\*:** OHI Number, Name, Address
- **Historic Determinations:** PropID, Serno, OHPOID, NR Reference Number, OHI Number, OAI Number, Project Name, Address
- **Archaeological Inventory\*:** OAI Number, Site Name
- **Archaeology Determinations:** SiteID, Serno, OHPOID, NR Reference Number, OHI Number, OAI Number, Project Name, Address
- **Federal Tax Credit Projects:** Control Number, Property Name, Address, Secondary Address
- **Previously Surveyed Areas:** NADB, Serno, OHPOID, Title
- **Historic Surveys:** HADB, Title
- **Cemeteries:** OGSID, Cemetery Name
- **Historic Bridges:** Bridge Number, NR Reference Number
- **Remarkable Ohio Markers:** Title, Text Side A, Text Side B

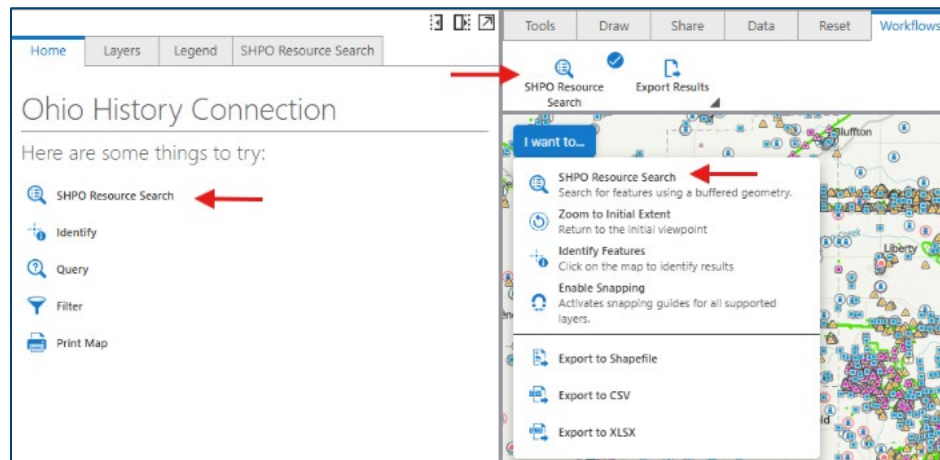
\*Search includes [Recent Submissions \(Survey123\)](#).

# SHPO Resource Search

The SHPO Resource Search tool is an easy method to select all relevant SHPO resources within a specific area. The tool allows users to draw or upload a shapefile of your area of interest and will then select resources within a user defined distance. Results can be exported to shapefile, Excel or csv.

## Step 1 - Begin

Start by opening the SHPO Resource Search tool. The tool can be found in several places, on the Home panel, in the “I want to...” menu and on the Toolbar under the Workflows tab.



SHPO Resource Search Tool

## Step 2 – Define your Area of Interest

Select Upload Shapefile to upload a shapefile of your area of interest or select Draw Shape to manually define your area of interest.

### Uploading a shapefile

- Select the “Upload Shapefile” option and click the “Choose File” button. Select a shapefile stored on your device and then click “Next”.
- Note: Shapefiles must be contained in a .zip file, and the .zip file should contain only one shapefile.

### Drawing a Shape/Area of interest

- Select the “Draw Shape” option and you will be presented with four shape types (point, line, polygon and rectangle) to create your area of interest.
- Select your desired shape type and click on the map to draw your area of interest. Double click to complete your drawing.
- Note: You can use the Search window to help locate your area of interest.

## Step 3 – Define your Search Radius

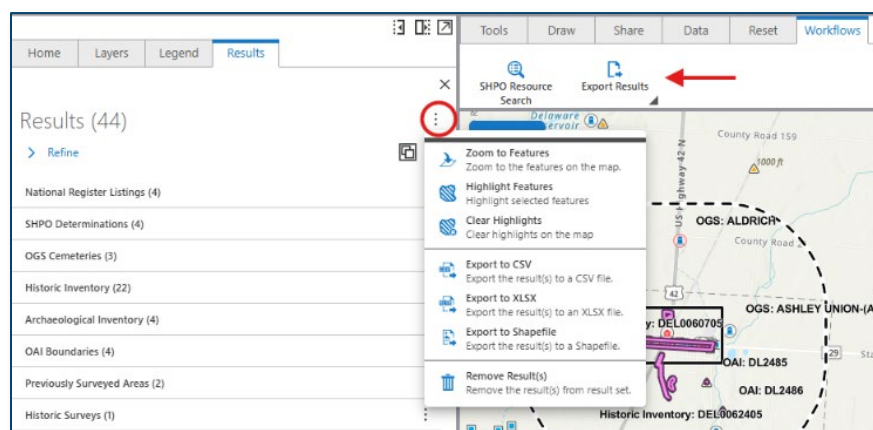
On the Buffered Shape Search page, select a measurement unit type and enter a distance for your search, then click Next. The tool will automatically create a buffer and begin searching for all relevant SHPO Resources.

- Note: After setting your Search Radius, a pop-up will appear asking if you would like to download your search area and buffer as shapefiles. This will download your defined area of interest and the search buffer. It will not download your search results.

## Step 4 – View and Download Results

The final page will present your selection results and highlight the list of resources on the map. Results are sub-divided by layer, and clicking a sub-division will show all selected resources within. Individual records can be selected for additional details, and to locate them on the map.

Results can be downloaded by using the vertical ellipses button at the top right of the Results panel, or by using the Export Results button in the Workflows tab of the Toolbar.



Export Results