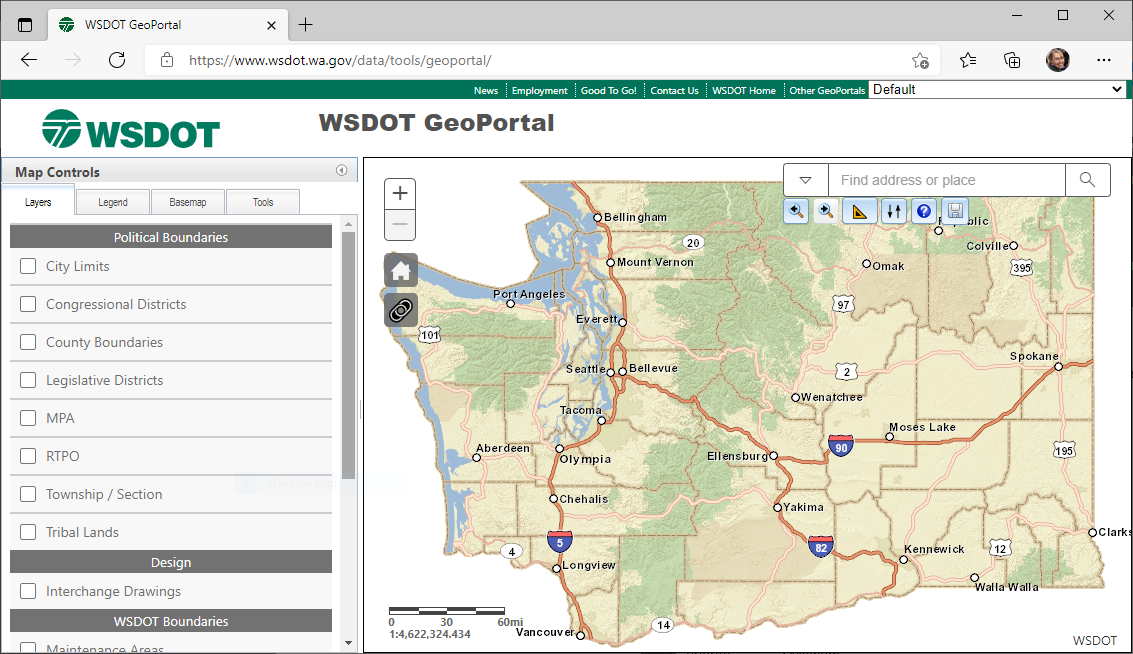
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| Logo of the Washington State Department of Transportation |
| GeoPortal User Guide |

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| Author: Julie Jackson, WSDOT GIS and Roadway Data Office |



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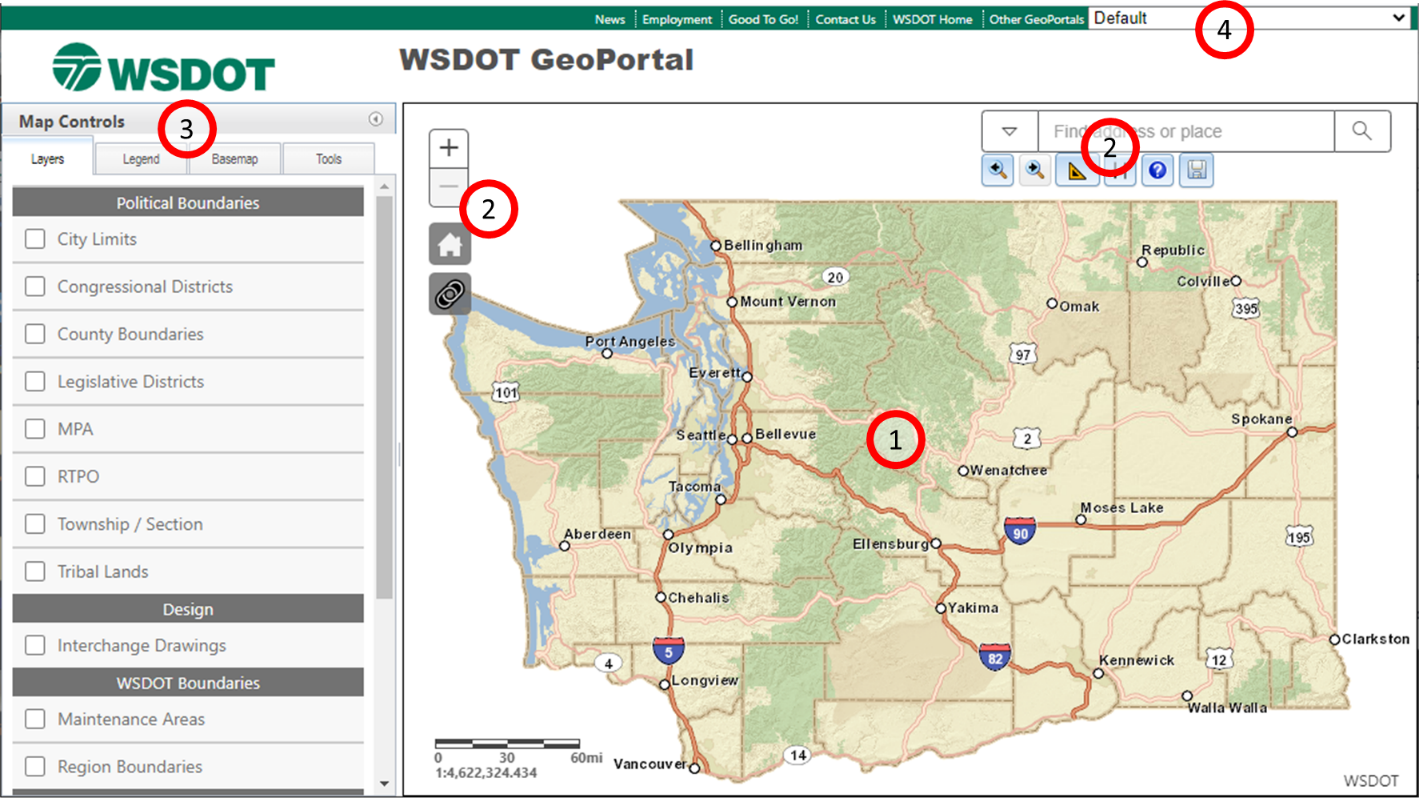
# Overview

The WSDOT GeoPortal is a browser-based map application that allows users to view spatial data, locate State Route milepost locations, and share base map information with others. This User Guide will help you get started using the GeoPortal to display data, use the tools in the GeoPortal, and share GeoPortal maps with others.

The application website is: <https://www.wsdot.wa.gov/data/tools/geoportal/>

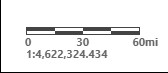
This User Guide will cover the 4 main elements of the GeoPortal:

1. Map Display
2. Map Tools
3. Map Controls
4. Map Theme Selection



# Map display

The map display area is where you will see selected map layers displayed. As you make map layer selections or zoom in or out the map display will automatically update with the selected data layers. A scale bar and reference scale in the lower left corner of the display will help you estimate distances on the map.



**Map Navigation Shortcuts**

You can zoom and pan the map in the following ways:

* Drag the mouse to pan.
* Mouse Scroll Forward to zoom in.
* Mouse Scroll Backward to zoom out.
* SHIFT + Drag the mouse to zoom in.
* SHIFT + CTRL + Drag the mouse to zoom out.
* SHIFT + Click to recenter.
* Double Click to Center and Zoom in.
* SHIFT + Double Click to Center and Zoom in.
* Use arrow keys to pan.
* Use + key to zoom in a level.
* Use - key to zoom out a level.
* Zoom in and out using the zoom +/- buttons on the left side of the map.
* Home Icon: will return the map to full screen.

# Map tools

Map tools are located around the perimeter of the map display area.

 Zoom in/zoom out

 Zoom to statewide extent

 Click to update URL with map layer and extent parameters (for sharing with others)

 Zoom to previous extent

 Zoom to next extent

 Measure - Select the type of measurement ( area,  length,  coordinates) and the units of measurement (e.g. acres, square mile, or hectares for an area measurement). Once you select the measurement type and the units, click on the map to sketch the measurement. Quickly double click to finish your measurement sketch. The measurement result will appear in the measurement box in the units that you specified.

 Arrange (re-order) layers – map layers are drawn in the order that they are listed on the Layers Tab (described below). The layer that is on top of the list draws on top of all of the layers below it. Use the Arrange tool to open a list of layers, then click on a layers and drag and drop it in a new location on the layer list. The layer you select will now be “re-ordered” in the drawing order.

 Help (open the User Guide)

 Export Graphics – Exports any map graphics that have been drawn on the Map Display to a GeoJson Feature Collection file.

 Find address or place – click in the search box to type an address or location to zoom to. Click on the dropdown arrow to select a different type of search: Esri World Geocoder (provides the broadest search results), County (focuses on counties in Washington State), City (incorporated cities in Washington State), and Urban Area (… in Washington State).

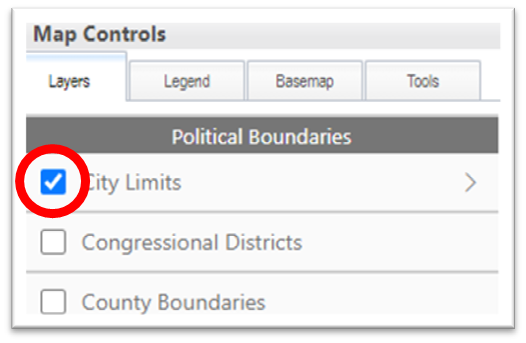
# Map controls

Map controls are located on the left side of the application.

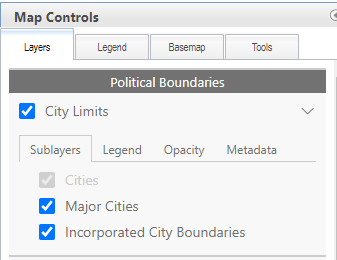
## Layers Tab

Click on the Layers Tab to activate the tab.

Check on the box next to a map layer to make it visible in the map display.

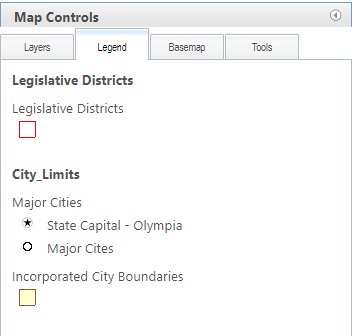


Once you have the box checked, you will see a newly activated layer options arrow on the right side of the window. Inside the Layer options window, you can: turn on/off sublayers, view the layers legend, adjust the layer’s opacity (transparency), and read the layer metadata (information about how the dataset was developed).



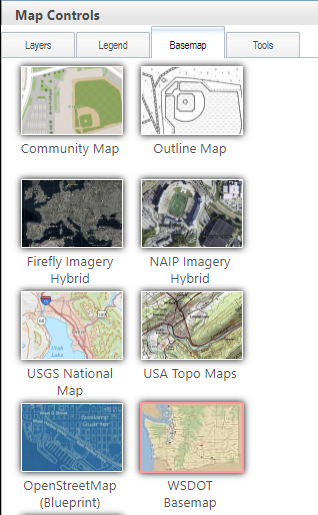
## Legend Tab

When activated, the Legend tab displays the symbology for all active (visible) layers in the map view.



## Basemap Tab

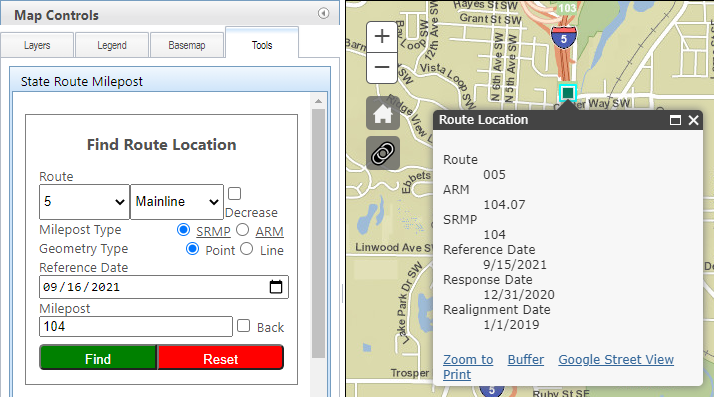
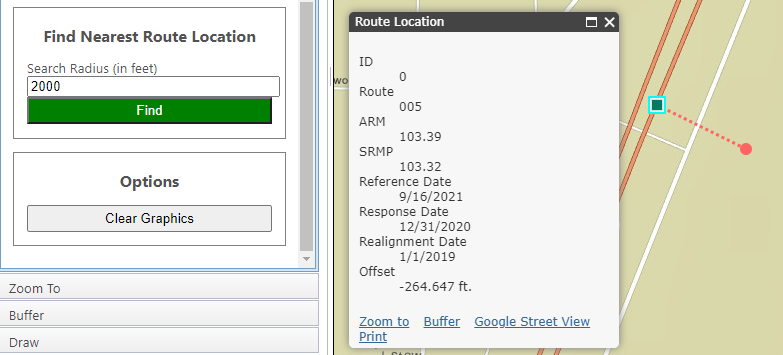
You can change the basemap displayed in the Map View by clicking on the Basemap Tab and clicking on a new basemap. For the most accurate representation of the Washington State Highway System, use the WSDOT Basemap.



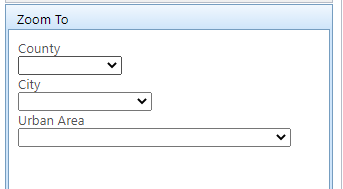
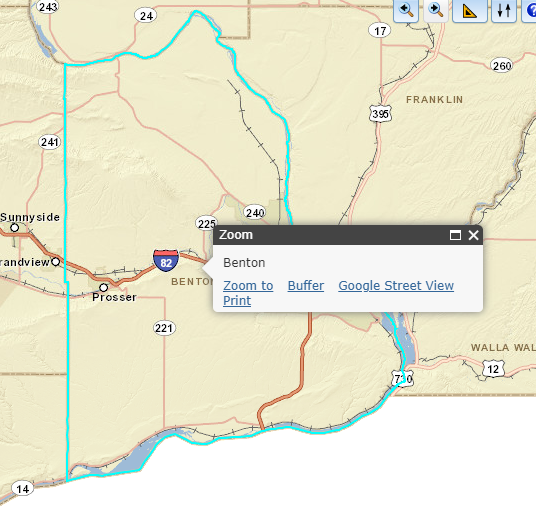
## Tools Tab

There are four tools in the Tools Tab: Find Route Location/Find Nearest Route Location, Zoom To, Buffer and Draw.

**Find Route Location and Find Nearest Route Location**

* Find Route Location - type in a route number an ARM or SRMP, and a reference date, and then click on the Find Milepost button. The GeoPortal will place a graphic dot and a callout text box at the location that you specify. If the GeoPortal is unable to find your location it will return an error message. 
* Find Nearest Route Location – specify a search radius and click on the Find button. Then click on the map to see the nearest State Route and Mile Post.  
  
* Clear Graphics – click on the clear graphics button to clear the graphics from map.
* Pop Up Window - gives you a 'Google' and 'Street View' option for Find Route Location and an 'Offset' result value for Find Nearest Route Location.

**Zoom To**

* Choose from a dropdown list of County, City or Urban Areas in Washington State to zoom to.  
     
  When you select an area to zoom to, the map display will zoom to the selected area, outline the area, and popup a window that displays the name of the area, and provide links to zoom to, Buffer, Google Street View, and Print.   
  
* Clicking on the zoom to link will do nothing, since you have already Zoomed to the area.
* Clicking on the buffer tool will activate the buffer tool in the Map Controls window. (this tool will be described below).
* Clicking on the Google Street View link will open a new browser to the location that you searched for. Since Google Street View images are only available for locations along streets, you may find that your little Google Street View person (Like in the image above), you

**Buffer**

**Draw**

# Map themes