

This video will show how to use the webmaps that are hosted on the GOC Geomatics hub. Here we can see the hub at this address. A link to the hub is available in the course material. There are a number of webmaps available here that are designed with various themes in mind, such as flood, wildfires and tropical cyclones. For today's demonstration, we will take a look at the Wildfire webmap.

To use this web map, simply click on the map, hold your button down and move your cursor and that will allow you to move the map around and from left to right.

You can also use the scroll wheel on your mouse to zoom in and view additional information.

If you're viewing this on a handheld device like a tablet or a phone, you can use your fingers to pinch the screen and that will zoom the map.

Alternatively, you can use the buttons on the left to zoom in and out as well.

Clicking the home button will bring you back to a default national scale.

At the top is the search bar.

That search bar will allow you to look for features by name, and the map will automatically zoom to that area.

You can search for fixed street addresses.

You can search for First Nations reserves.

You can search for other points of interest like National and Provincial Parks.

The map that's shown right now is a default basemap.

All of the features there are fixed as one image.

That includes the water, the terrain, the land use in the area, and all of the cities.

If you want to change that style of map, that's called changing the basemap, and there's a button on the top right here that allows you to do that.

There are different types of basemaps for you to use depending on what you are looking to see on the map.

If you choose one of the imagery selections, it will allow you to see the different land use and land cover in that area.

For example, around the area of Winnipeg, we can see where the built-up area is on this satellite image and where that transitions to open farmland in the countryside.

As mentioned earlier, different basemaps will highlight different features.

This street layer will show the transportation network quite clearly with their names and the rail.

If you zoom to an area of the country that has great variation in its terrain, the terrain base map will highlight that aspect of the geography in that area.

The base maps that have maple leaves are catered by Esri Canada, who is the provider of much of this information, and so it adds additional information to Canadian areas as opposed to the American layers that were created without those Maple leaves.

Below the base map tool is the measure tool.

Clicking that will give you 2 options.

One is to measure straight distances and the other is to measure areas.

With this first tool enabled, you can click on the map where that orange circle and crosshairs are.

And it will show you the measurement on the screen for that straight line.

You can click different points and it will show you the total distance of that route.

Double clicking will release your cursor from this tool and it will.

Keep your measurement in place.

Here we can see that the distance from Winnipeg to Regina and Edmonton and Yellowknife is over 2200 kilometers.

You can change the units that you're shown with this drop down.

You can change that to imperial units.

Or smaller units within that same type, inches, feet, miles, et cetera.

Clicking the other tool here will allow you to.

Measure areas.

Or you can click.

Similar as you would to the distance tool and get a measurement of area.

Double click and it will release your cursor from that tool.

And now you're getting an area measurement, which can also be changed from metric to imperial.

On the right-hand side of the map by default is the Bookmarks tool.

Which enables this list of national bookmarks.

With those, you're able to zoom to particular provinces across the country very quickly and have them fit within your screen automatically.

Simply click the bookmarks and watch the map pan and zoom as required and if you want to go back to the default you can click the national button at the top.