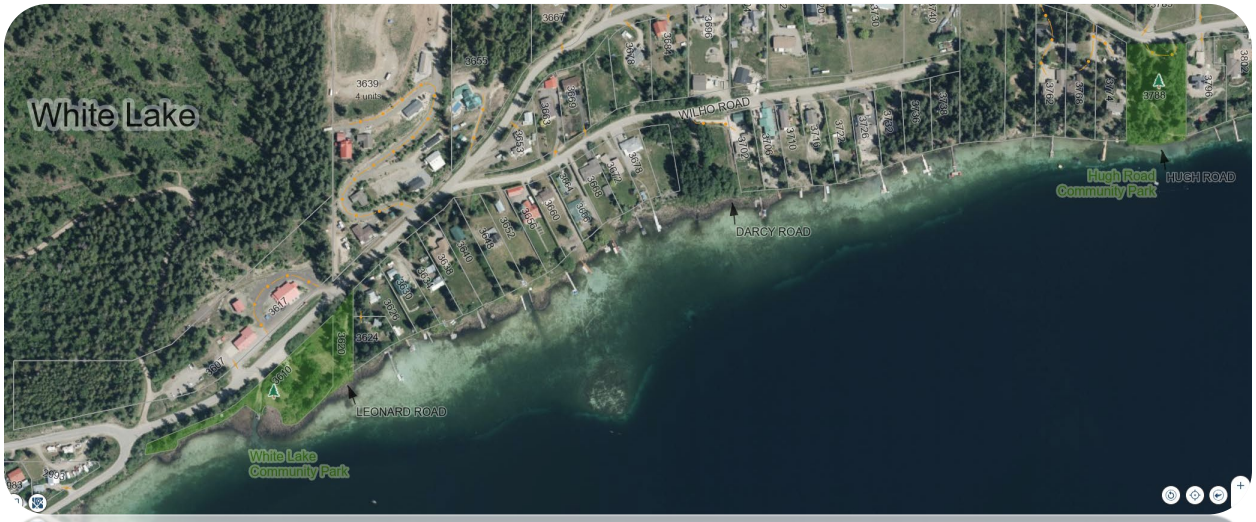
ONLINE MAPPING AND PROPERTY INFORMATION

DECEMBER 2024



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OVERVIEW

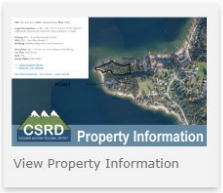
The Online Mapping and Property Information tool is a web-based program that displays a compilation of spatial and non-spatial data, managed mostly by the CSRD. It also includes BC Assessment information as well as imagery and other base maps by ESRI.

ACCESS

You can access the Online Mapping and Property Information tool from the CSRD Maps website.

https://www.csrd.bc.ca/242/Maps

Access Online Mapping



You can also access the application directly using this link: https://apps.csrd.bc.ca/maps/public

This data in this application is available to use under the Open Government Licence - Columbia Shuswap Regional District.

WHAT SHOULD I USE IT FOR?

Browsing / Searching - It is quick to turn on and off layers and to pan and zoom around the map. You can click on the map and it will tell you what is there. You can search for properties, zoning and OCP information, as well as parks and trails information and other CSRD data.

Property reports – You can create a property report for any property selection. See Property Reports section for details.

Exporting data – The data can also be exported as: CSV (comma separated value), XLSX (excel spreadsheet), or Shapefile (GIS file for mapping). From the Home panel, there are also links to the CSRD Open Data Portal and Topo/Ortho Portal to download complete copies of datasets.

Creating and sharing maps – Properties and other information that you find within the Online Mapping and Property Information tool can be made into maps and printed or shared on social media. See the Printing and Exporting Maps section for details.

GENERAL TIPS

Searching: Use the Property Search tool, accessed from the Side Panel or I Want To menu to find and navigate to a property. This will provide access to property reports and information about that property.

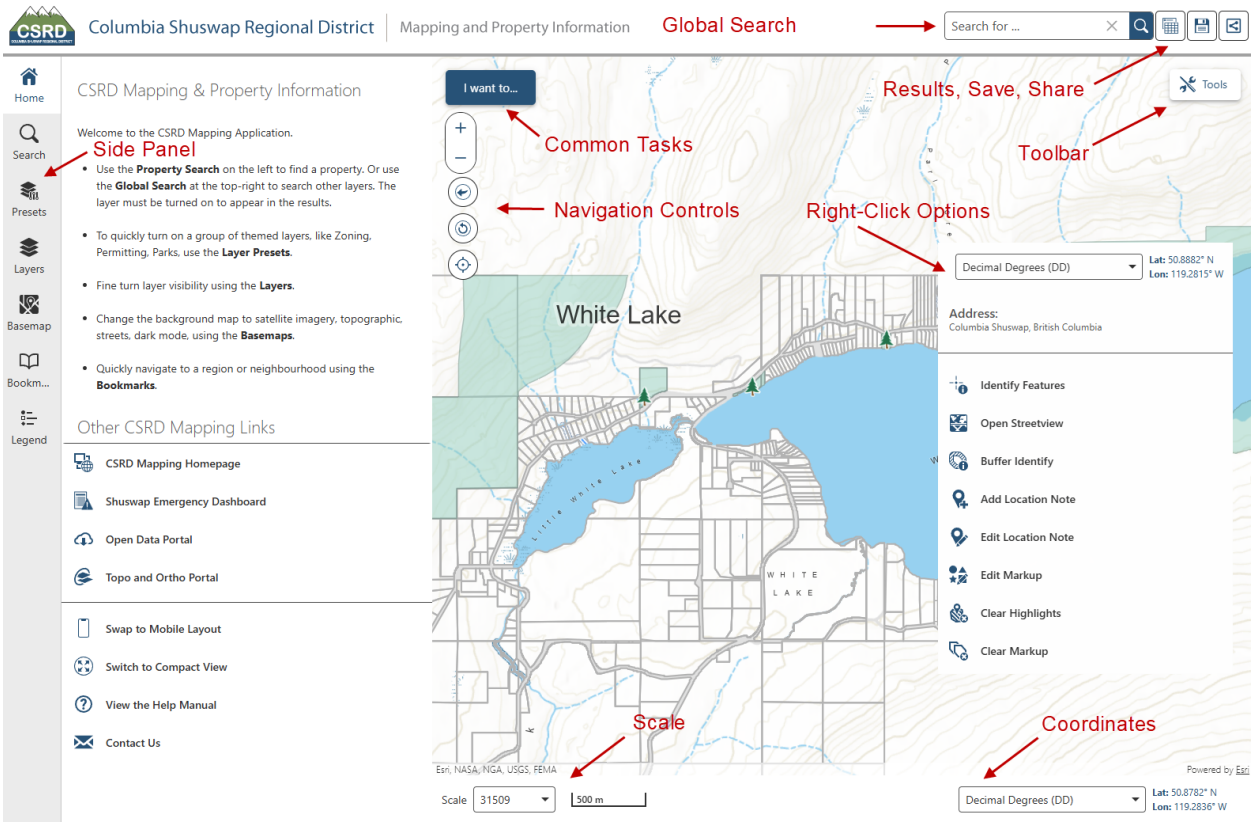
You can also search using the Global Search at the top-right. In order for the Global Search to return a result, the layer must be turned on.

Pop-Up Blocker: Some functions, for example opening PDF maps or reports, are designed to open the PDF in a new window. Some browsers block the pop-up without much warning. Add the CSRD to your pop-up blocker list of exceptions if you cannot find your printable PDF map.

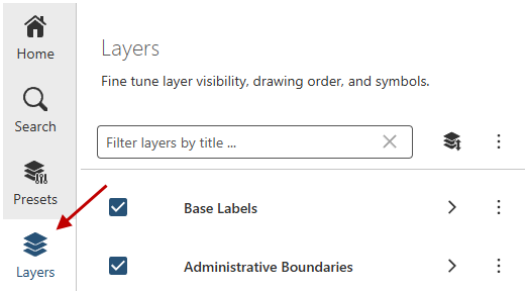
Browsers and Internet: Use Edge, Safari, Google Chrome or Firefox for best results. The maps are intended for high speed internet users but will work with slower connections. The maps work on mobile devices and are best displayed using the Full Screen Map link.

LAYOUT

The Online Mapping and Property Information tool is available on a web browser on your computer, tablet or phone. The layout is different depending on the device you are using. This section will walk you through the basic layout of the desktop version, showing you how to navigate and where to find the various tools.



LAYERS LIST



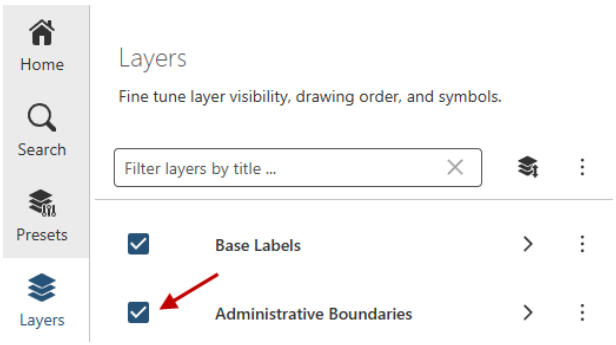
When you load the map, only a few of the many layers that are available are shown. The full list of what is in the Layers list at the left of the screen. You can also find a particular layer by using the **Filter** box at the top of the layer list.

TOGGLE BETWEEN VIEWS

The layers list shares a space with a few other screens or views, like the legend, any search results, or any wizards that are in progress. If a few of these windows are open at the same time, you can toggle between them by clicking on the tabs at the left-hand panel.

MANAGE LAYER VISIBILITY

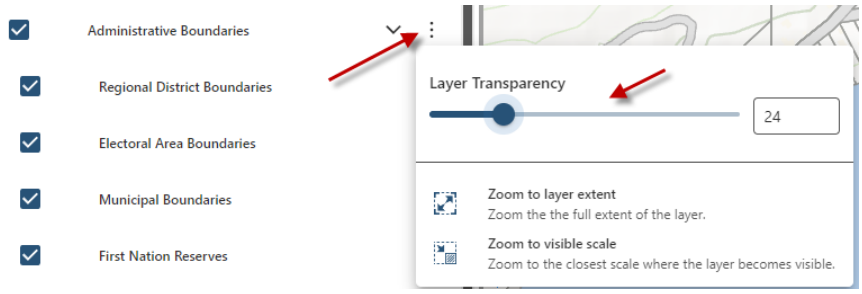
Turn on and off layers by clicking the check box next to the layer name.



A > symbol next to the layer name indicates that there are sub-layers grouped under this heading. Expand the group by clicking on the > symbol, and turn on and off the sub-layers to manage the visibility. The main group layer must also be turned on.

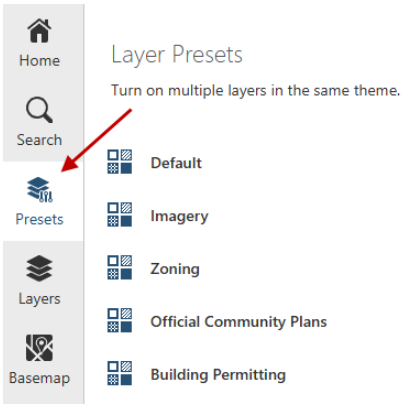
LAYER TRANSPARENCY

Many layers can be made transparent to see what is beneath a feature. Use the transparency slider to adjust the transparency. This can be found under the 3 ellipses on the right side of the layer.



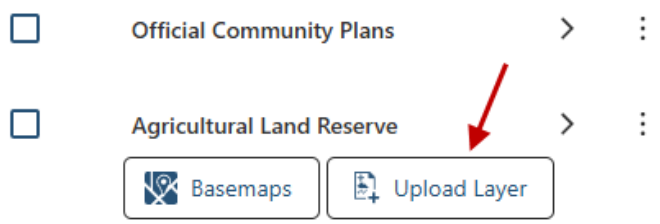
LAYER PRESETS

There are preset combinations of layers that are common to explore various data themes, like Zoning, Building Permitting, or an Orthophoto based view. You can also reset the layers to their original configuration. The Layer Presets are found on the left-hand side in the Side Panel.



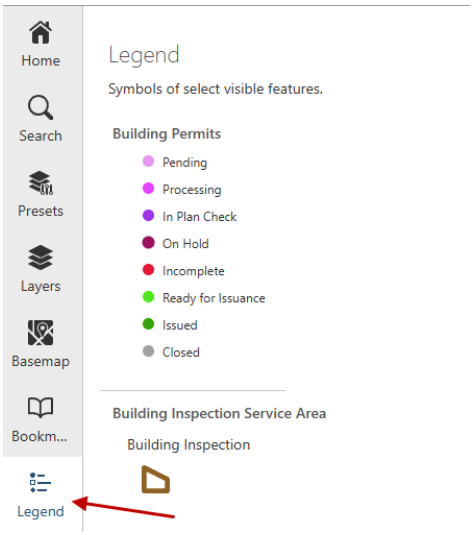
UPLOAD LAYER

Upload your own spatial layer to view it in context with other information on the map. Current options include shapefiles (zip file), CSV, and XLSX. KML files are on the priority list for implementation but not currently an option for uploading. The Upload Layer tool is found at the bottom of the Layer list, in the I Want To menu, or the Data toolbar.

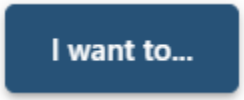


LEGEND

The legend is a key to match the symbols on the map to the layer. Open the Legend by clicking on the options button at the top of the layers list. Only layers that are turned on appear in the legend. View the legend with the Legend tab in the left panel.

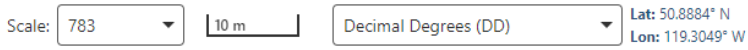


I WANT TO MENU



The I Want To menu lists commonly used tools such as: Searching, Create a printable map, and Sharing. These tools are also available in other parts of the application like the toolbar or Home panel.

COORDINATES AND SCALE



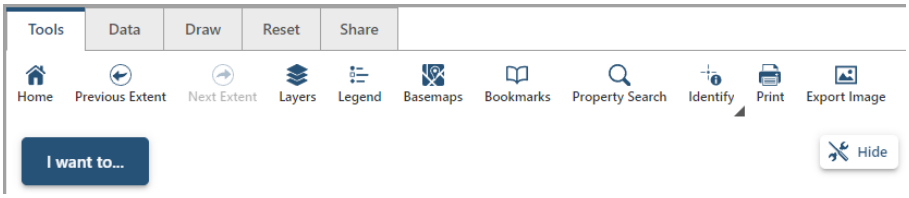
The bottom of the map window has controls to display the coordinates and the scale. Toggle the coordinate tools by clicking on the drop-down button. The default coordinate display is Decimal Degrees.

The **Lat/Lon** reading shows the location of your mouse.

The **scale bar** displays how much the length of a map unit corresponds to the length on the ground.

TOOLBARS

The toolbars are hidden by default. Click on the button at the top-right of the map window to toggle the visibility of the toolbars.



The toolbar is tabbed, similar to Microsoft Office. Clicking on a heading at the top will show different tools. Details about the individual tools are found later in this document.

NAVIGATING THE MAP

Panning and zooming around the map is similar to other web maps like Google Maps.

PANNING AND ZOOMING

There are several ways to zoom in and out of the map.

1. Click and drag to pan the map.
2. Use the mouse's scroll wheel.
3. Double-clicking on a spot on the map will zoom in closer on that location.
4. Use the Zoom controls on the bottom-right side of the map window.
5. Use the Toolbar.
6. Use the Bookmarks.

BOOKMARKS

The Bookmarks tool is located in the Side Panel. This is the recommended way to navigate around the map when you first open it.

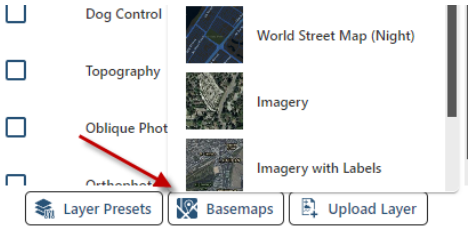
There are bookmarks that will take you to various neighbourhoods throughout the CSRD. You can also add your own bookmarks to return to later in the session. Added Bookmarks will also be retained if you Save the project.

BASE MAPS

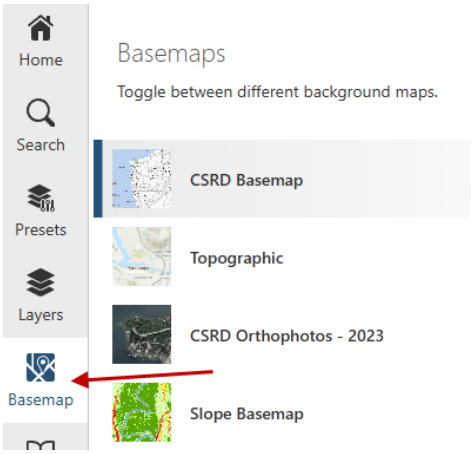
Base maps are a background on top of which the other layers are added. Only 1 base map can be visible at a time.

CHANGING BASE MAPS

1. Switch base maps Basemaps selector at the bottom of the Layer panel:



2. Or using the Basemap selector in the Side Panel:



TYPES OF BASE MAPS

CSRD BASE MAP

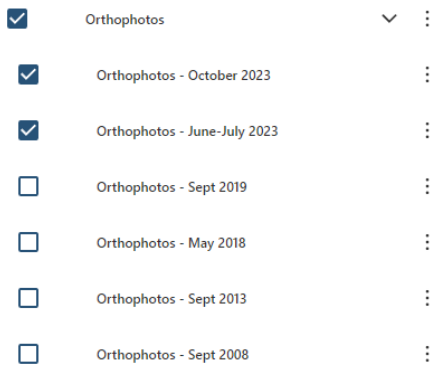
Background layers you see when you first load the map: Electoral Area Boundaries, place names, water, roads. An ESRI Topographic map displays at small scales, but changes to show CSRD data at the neighbourhood scale and closer.

CSRD ORTHOS

CSRD Orthophotos - 2023

High-resolution orthos for most developed areas of the CSRD from June 2023. A smaller area of orthophotos from October 2023 are layered on top. These cover some areas of the North Shuswap affected by the Bush Creek East wildfire.

The full catalog of orthophotos is available in the Layer list under Orthophotos.

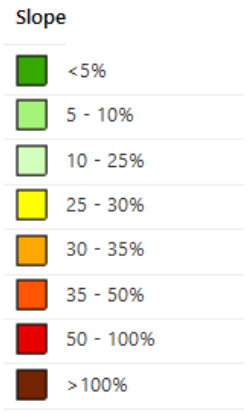


Many orthophotos are available to download on the CSRD's Topo and Ortho application.

SLOPE MAP

Slope Basemap

The steepness of the slope expressed in percent and categorized into groups as in the legend below. Based on 1m or 5m elevation data derived from LiDAR or Ortho mapping projects from 2019 to 2023. Where that is not available, it is based on 20m TRIM elevation data. View the legend to see the classes:



ESRI SATELLITE IMAGERY

Imagery

Imagery with Labels

A collection of satellite imagery and orthophotography managed by ESRI. Choose the imagery-only option or the option to include road and place name labels.

OPERATIONAL LAYERS

Operational layers typically have attributes associated with them that you can view and work with. This section explains the information that is available at this time. See the Explore Layer Information section for details.

PROPERTY INFORMATION

Properties: Property information is available via the parcel outlines. The properties are organized in an assessment view, where there is one record for each address on the parcel. Properties are linked to addresses and to BC Assessment information, and show other related information like zoning, OCP designations, value, along with legal description information.

Base Labels: By default, the property addresses are visible. Expand the Base Labels heading to view the legal labels and other base labels.

Interests and Assessments: Expand this group and you will see helpful layers associated to properties:

Property Hooks: Shows where properties are linked across roads and waterbodies.

Building Footprints: Derived from 2019 LiDAR data. Coverage only for the areas that this dataset was collected (lakeshore areas of the Shuswap).

Covenants, Easements, Right of Ways, Shares: GIS team inputs these as they come in but these may not be complete and it is unclear how far back the record goes. *Use for reference only*. The Land Title and Survey Authority will have the official record of what interests are associated with a property.

Properties by Value: A color-coded classification showing the gross value of properties for the current year.

Properties by Value Change: Classification showing the percent change in Land Value, Improvement Value or Gross Value (land and improvements), from the current year to the previous year.

Properties by Class: Separate layers for each of the BC Assessment Property Classes. A property can have more than one Property Class.

Properties by Ownership: A color-coded classification of the type of ownership. Derived from BC Assessment information, but this layer is difficult to keep up to date. See the detailed property information to confirm the ownership of a property.

PARKS AND RECREATION

Community Halls and Recreation Centres: Point locations of Community Halls and Recreation Centres in the CSRD.

Park Locations: Points for the CSRD Park Locations. Only active parks are shown. See the CSRD Park Boundaries layer for all parks.

Park Boundaries: Active CSRD Park Boundaries. Provincial Parks, Provincial Rec Sites, Rec Reserves, National Parks, some Municipal Parks, and some golf courses.

PLANNING AND PERMITTING

Current Planning Applications: Point locations of current planning applications in the CSRD, including ALR Applications, BOV, Bylaw Amendments, Development and Development Variance Permits, Exemptions, and Temporary Use Permits. Subdivision applications are not included as the CSRD is not the approving authority. Attributes include the file number, status, application type, planner, and proposal.

Building Permitting: Point locations of building permits. Includes the file number, status, application type, and inspector.

Zoning: Includes all bylaw boundaries, comprehensive development areas, and zoning for properties in the CSRD, including Lakes Zoning. See Legend for symbology. Options to download the PDF Mapsheet associated with this bylaw and location, and the option to go to the CSRD webpage for the associated bylaw. Same options are available in the property information.

Official Community Plans: OCP Designation boundaries. Includes all OCP Bylaw boundaries, Settlement Areas, and Designations. Same options as the zoning layer.

Agricultural Land Reserve: Boundary of ALR. The amount of a property that falls inside the ALR is also included in the property information.

HAZARD MAPPING

Contains layers showing the data produced by various hazard-related studies and assessments in the CSRD. Expand the parent layer to see the current list of studies that are included. Clicking on a feature will display attributes for that feature, which may include the Hazard Rating for that feature. It will often also include a link to download the original report. This group of layers will be updated as studies are released.

PROTECTIVE SERVICES

Fire Services: Point locations of Fire Halls in the CSRD, boundaries of the Fire Service Areas, and boundaries of the BC Fire Centres.

Hospitals: Location of Hospitals in the CSRD, and an analysis layer showing travel time away from hospitals.

Police: Location of Police Stations and boundaries of Police Jurisdictions.

Shuswap Emergency Program: When there is an active emergency event, this section will include the location of any evacuation areas or alert areas. If there is data on the extent of fires, flooded areas, sandbag deployments, rapid assessments, this information would also appear in this section. However, the Shuswap Emergency Dashboard is the recommended application to use in an emergency to see the list of current evacuation orders and alerts, along with other related information.

WATER UTILITIES

Several layers showing the infrastructure for CSRD-managed water systems. This includes water mains, service lines, valves, hydrants, standpipes, intakes, manholes, reservoirs, and structures. Information on inspection of hydrants and standpipes are available by clicking on the feature.

DOG CONTROL

Boundaries of the services areas in the CSRD that have Dog Control.

TOPOGRAPHY

Contours – 20m: Contour lines from TRIM. More detailed data will be added here as it becomes available.

Slope: The same layer that is also available as a base map. Percent slope of the land based on a variety of data sources.

Elevation: Digital Elevation Model based on the best available data for an area. This includes 1m data derived from 2019 LiDAR, 5m ortho generated data for the Shuswap, and 20m TRIM data from other areas of the CSRD. Turn this layer on and click on a point on the map to see the elevation for that point and the data it is derived from.

OBLIQUE PHOTOS

Oblique photos are angled photos of the Shuswap and Mara Lake shorelines. There are many overlapping footprints of the photos. Click on one and a popup will appear with a View Photo link. You may need to toggle through the results to get to the proper result.

- The 2023 obliques are from June.
- The 2013 obliques are from September.

ORTHOPHOTOS

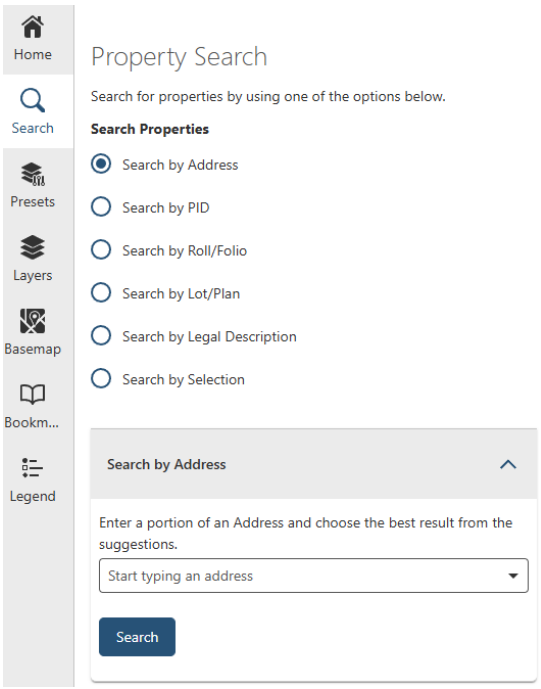
Orthophotos are georeferenced images captured from an aircraft that enable overlaying of other information. The size of the size of the region makes complete coverage cost prohibitive. Each collection is available as a separate layer. The dates of capture are included in the layer name.

EXPLORE LAYER INFORMATION

Some layers, like the base maps, do not have any more information than what you can see on the map. However, most have attributes for each feature. For example Community Facility features have Name, Phone Number, and Address attributes. Use these tools to find, and explore, and export information about the data in these layers.

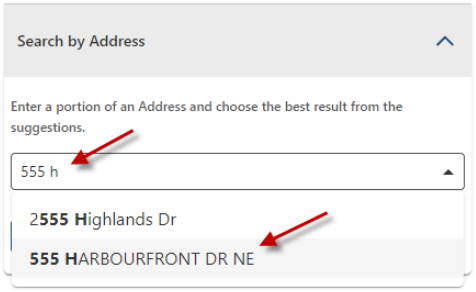
PROPERTY SEARCH

Most research begins with a property. There is a dedicated Property Search tab on the Side Panel. This tool can also be accessed from the I Want To menu or the toolbar. This tool has several options for searching for a property using different information about the property. This includes the Address, PID (Property Identification Number), BC Assessment Roll or Folio number, the Lot and Plan number, a portion of the Legal Description. There is also an option to search for properties by drawing an area of interest on the map.



To use this search, first select the search option that you want to use. The text box allowing input of the search term is below the options, and will change depending on the option.

The search boxes use auto complete with the exception of the Legal Description search. To use auto complete, start typing the search term. After 3 characters have been entered, the text box will begin displaying options. Once you see the one you are interested in, select it and press search.



After you press search, the map will select and zoom to that property. The details of the property will appear in the Results panel on the left.

GLOBAL SEARCH

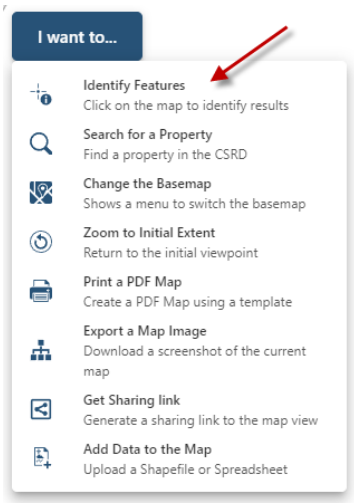
The Global Search is located at the top-right. This is configured to search many different layers in the application, including Parks, Planning Applications, Hydrants, and others. The Layer must be turned on for the result to appear. If in doubt on the spelling, best practice is to use a shorter search term and select the correct result from the list.

FIND AND SELECT PROPERTIES

There are a few different ways to manually click on features on the map to select them and find information about them. The easiest way is to click on the feature you are interested in. This will show the details of the feature in the Results panel on the left.

IDENTIFY FEATURES

The best way to find information on multiple properties or feature in an area is to use the Identify tool, available in the I Want To Menu.



The Identify tool will prompt you to draw a rectangle on the map. Once this is done, all the 'findable' features in the visible layers that intersect the box will be displayed in the Results Window. Click on a result in the Results Window to zoom to and highlight the feature, and to see its details.

RESULTS PANEL

The results panel will appear as a tab on the left-hand side. This panel will show the following if they are available for that result:

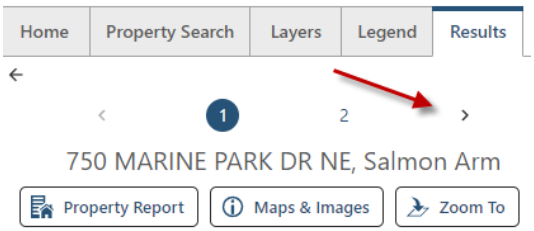
- All features will have the option to Zoom To that feature. If there are other actions for that type of feature they will also be available as buttons.
- If there is an image or file 'attached' to the feature, a download icon is available.

- The attributes associated with that feature. For example, the park name, location, and Electoral Area.

MULTIPLE RESULTS

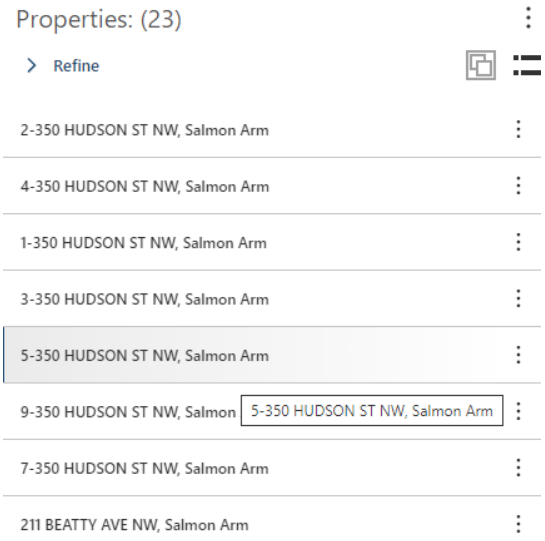
Most times clicking on the map will return multiple results. This means that there are several features in that same location. For example if you have the Community Facilities, Park Boundaries, and Properties turned on, clicking on the White Lake Recreation Centre will return at least 3 results in the map tip. A property that has more than one address associated with it will also return a result for each address.

If there are multiple results, you will see a row of numbers at the top of the Results Panel. Click on the number or use the left and right arrows to see the details for the other results.



When using the Identify tool, multiple results appear in the Result Panel in groups according to the feature layer. To explore the results, click on the group header. This will show all the features identified for that layer. Click on an

individual feature to see the details.

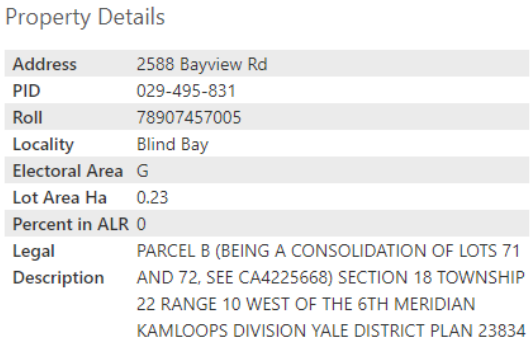


PROPERTY DETAILS & ACTIONS

Properties have the most amount of information associated with them, and the most options for further research or actions.

The results section of the property is divided into 3 groups:

Property Details: Descriptor and legal information about the property.



Development Services: Planning, Permitting, and Other CSRD services associated with the property. This section will only be complete where the property is associated with a CSRD bylaw or service. Properties in the Town of Golden, District of Sicamous, City of Salmon Arm, or any of the First Nation communities, will not have this information.

Development and Services

Planning, Building Permitting, and Other Services

Zoning Bylaw	701
Zoning	R1 - Low Density Residential
Lakes Zoning Bylaw	N/A
Lakes Zoning	No Lakes Zoning
OCP Bylaw	725
OCP	NR - Neighbourhood Residential
Building Bylaw	660-03
Building	Building Regulation and Inspection
Fire Department	Sorrento/Blind Bay
School District	83 - North Okanagan-Shuswap

Assessment Information: Property valuation, sales data, and classifications according to BC Assessment. This information will only be available when the property has a Roll / Folio number associated with it.

Assessment Information

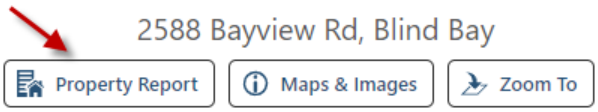
Source: BC Assessment

Property Class	01 - Residential
Lot Dimensions	0.58 Acres
Actual Use	000 - Single Family Dwelling
Manual Class	0146 - 1.5 STY SFD - After 1990 - Standard
Land Value	158,000
Improvement Value	745,000
Exempt Value	0
Gross Value	903,000
Net Value	903,000
Last Sale Year	
Last Sale Price	

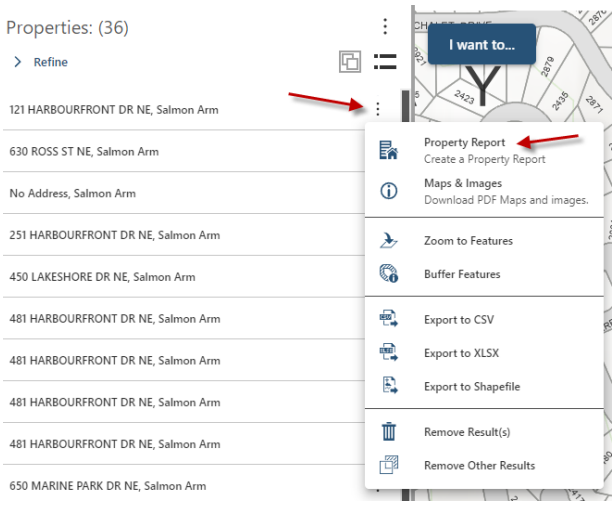
PROPERTY REPORTS

Property Reports are PDF summaries of the property information. They include a location map and most of the details and related information. They can be created from the top of the Results Panel, Actions the More Info window, or the Results table.

From the Result Details:



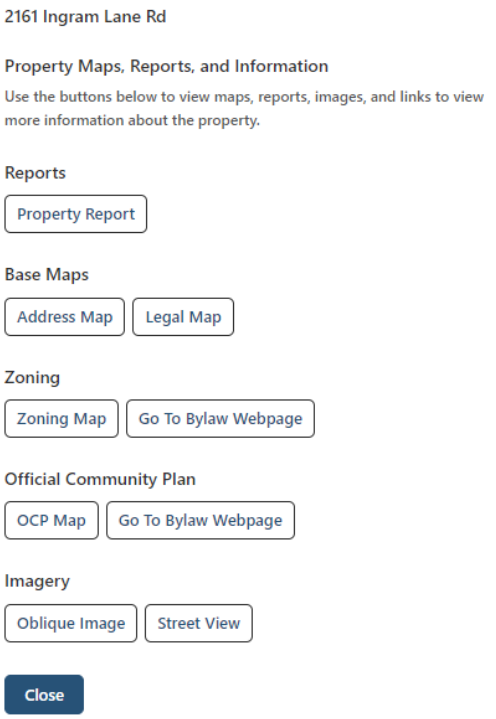
From the Feature Actions Menu (in the table or summary view):



MAPS & IMAGES

This tool is available for properties only. It provides access to reports, PDF maps, website links, and oblquie images, and Google Streetview for the selected property. Like the Property Report, it is available at the top of the Result Details panel or in the Feature Actions Menu for a property. Additional reports, maps, and actions that will become available for a property will be added to this wizard.

PDF maps and external links will open in a new tab. Be sure to allow pop-ups to be able to download the PDFs, images, and visit the links.

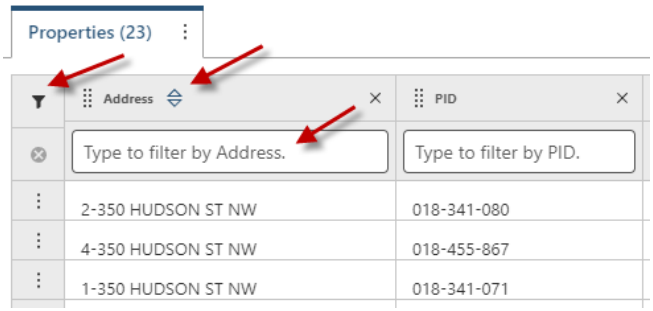


RESULTS TABLE

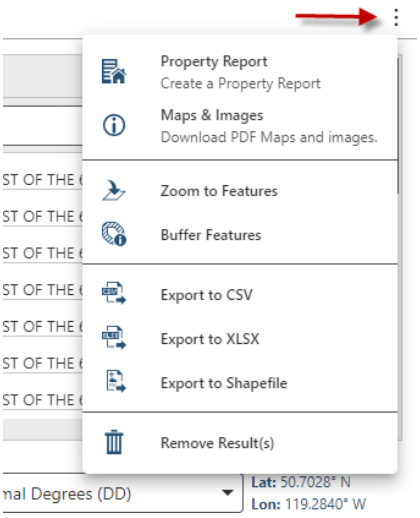
For exploring Property Information in depth, it is often easier to see all the related items using the Table View. This shows the all of the available attributes for the features selected in a table view.

- Select features using one of the methods described above.
- At the top-right of the application window, choose the Results Table icon.

- The results will be shown in a table view with options to order and filter the results according to the various columns.

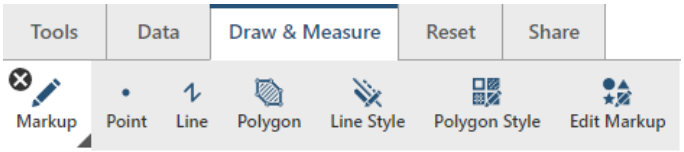


- The Actions Menu on the right provides options for reports and exporting the results to various formats:



OTHER TOOLS

DRAWING

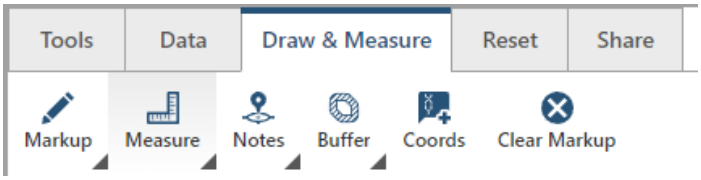


The Drawing tools are located in the Draw & Measure toolbar.

Choose the Markup tool in the Draw & Measure toolbar to show options for what type of drawing you want. Then use the tools to draw on the map. Double-click to finish the markup.

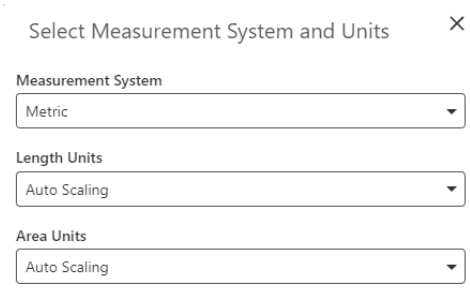
Return to the main Draw & Measure toolbar by clicking on the X on the Markup icon.

MEASURING

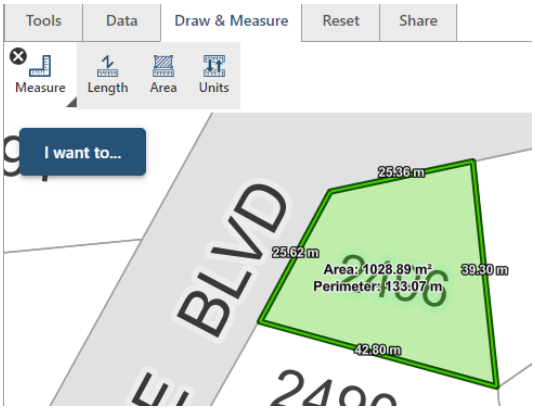


The Mapping and Property Information service has excellent tools for measuring. You can find the Measuring tools in the toolbar.

Click on the Measure icon to select the tool. This will open the submenu with options for Length or Area measurements, and to choose your Units.



Choose either the Area or Length measure tool, draw the line or area on the map and double-click to finish.



Return to the main Drawing & Measuring toolbar by clicking on the X on the Measure Icon.

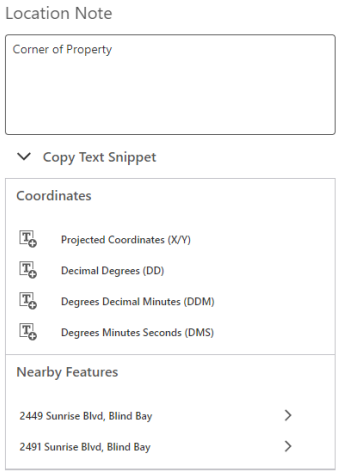
NOTES

Notes can be placed at a selected location on the map using the Notes tool under Draw & Measure or by right-clicking on the spot you want the note and choosing Add Location Note.

A wizard appears with options on how to place the note and what information to include.

Either enter the coordinates of where you want the note placed, or choose Select on Map.

Next, enter the information to show on the note. There is a Freeform text box for a custom note. Or choose the coordinates or the location or attribute of a nearby feature.



Expand the Display Options section to change the look of the note text, including the font, size, colour, and decoration. Click Done when finished.

COORDINATES

The Coordinates tool allows you to find a location on the map using coordinates and display a marker at that location.

Under the Draw & Measure Toolbox, select Coords.

Changes the Coordinate to the system that matches the coordinates you want to find.

Enter the Latitude and Longitude then press OK.

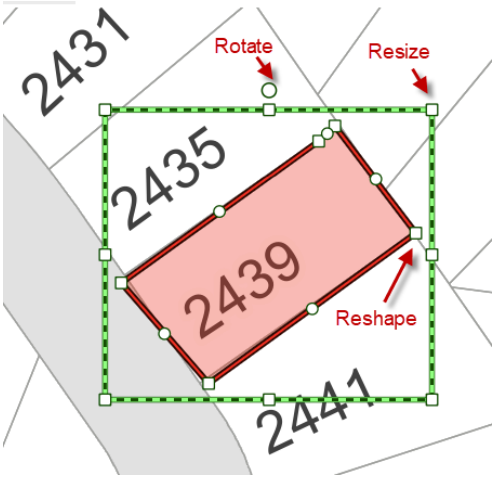
The map will pan to that location and place a red marker.

EDITING DRAWINGS, MEASUREMENTS AND NOTES

After you have made your drawings or measurements, you can edit their styles using the Edit Markup tool in the Draw & Measure toolbar, or by right-clicking on the item on the map and choosing either Edit Location Note or Edit Markup. Editing markup also allies to measurement markup.

If you choose Edit Markup from the toolbar, next click on the drawing you would like to change. Clicking once on markup will allow you to move an object by dragging it to a new location.

There will also be handles on the vertices of the markup to allow you to reshape it. A box will appear around the footprint of the markup to allow resizing or rotating.



A dialog box will also appear with options to change adjust the size and style of the markup, or to delete it.

ERASING AND RESETTING

You can erase a single markup object by choosing Edit Markup in the Draw & Measure toolbar, then clicking the Delete button.

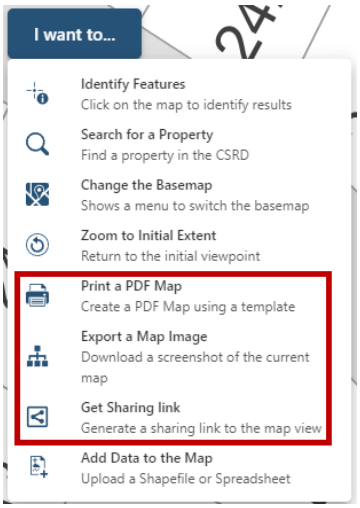
To clear ALL objects from the map, you can Right-Click on the map and select Clear Markup, or in the Reset toolbar, choose Drawings.

PRINTING, EXPORTING, & SHARING MAPS

There are three ways to create maps: you can print a PDF map, allowing you to customize it; you can export your map as a captured map window image; or you can share the current state of your map via a link.

These options are available in various locations of the application.

In the I Want To menu or Share toolbar, there are options for each sharing method:



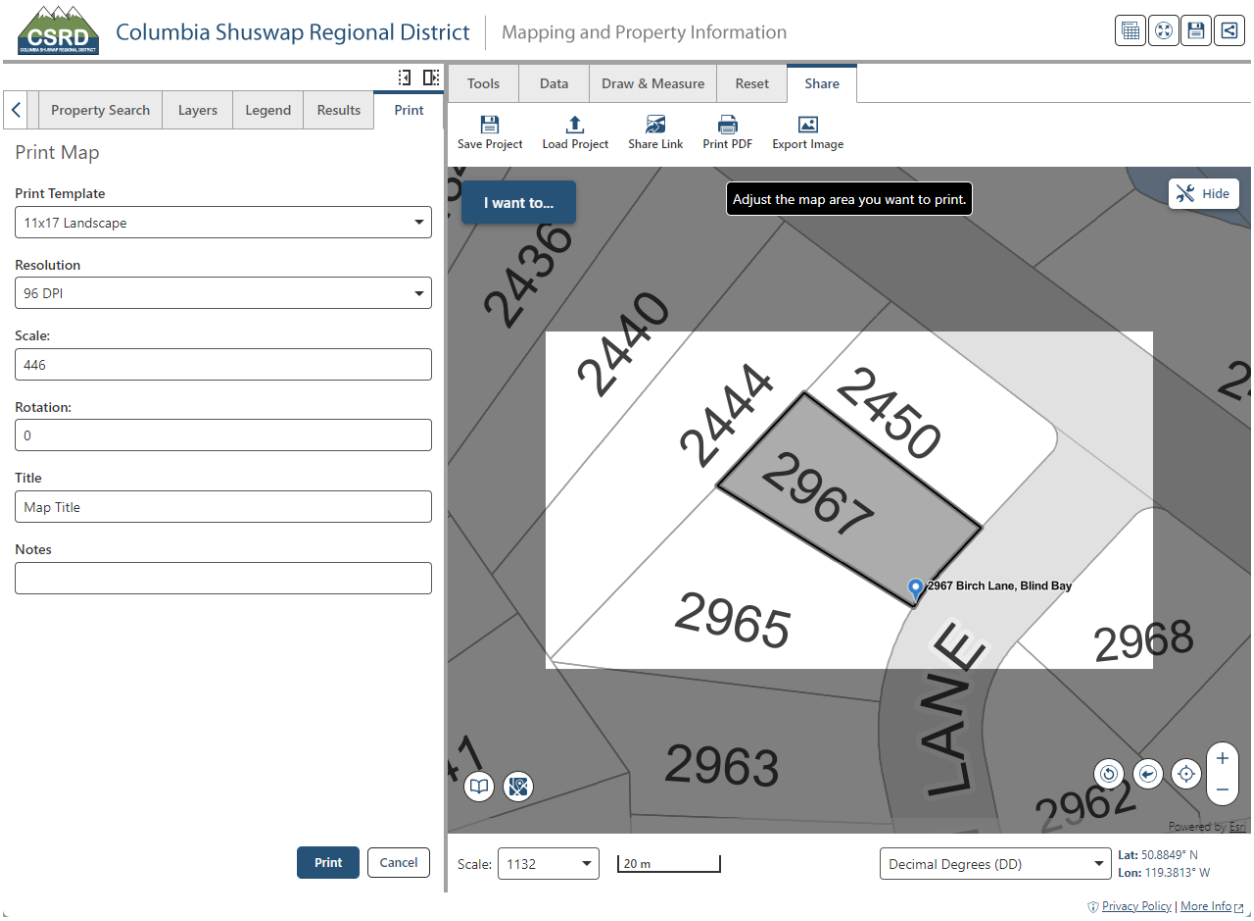
PRINT CUSTOM MAP

Custom maps use pre-configured map templates in a few different sizes. The templates include a scale bar, title, and sometimes a legend. You can customize the title and add notes.

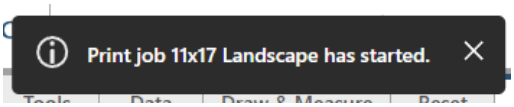
Zoom to your area of interest, configure the layers, add any markup, then choose Print PDF from the I Want To menu or the Share toolbar.

The Map window will display the extent that will be included in the map.

On the left-hand panel, a Print Map tab will open and allow you to choose the template, image resolution, scale, and depending on the template add a Title and Note.

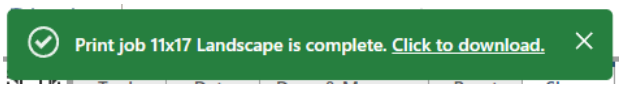


Once you choose Print, the print job will start in the background. This is indicated by a notice at the top of the screen:



You can continue to work while the print job executes. Depending on the complexity of the image and the resolution selected, the job may take a minute or two.

Once the print job is complete, a new notice will appear at the top of the screen:



If your map does not appear after you click the Click to Download link, your browser's pop-up blocker may have blocked it. See this webpage to change your browser's pop-up blocker settings.
http://www.wikihow.com/Disable-Popup-Blockers

EXPORT BASIC MAP

Exporting will produce a simple image, just like if you were to take a screen shot.

First, zoom into the area you want covered in the map. Click on the Export Image in the Share toolbar or I Want To menu.

This will immediately download a jpeg image of the map window.

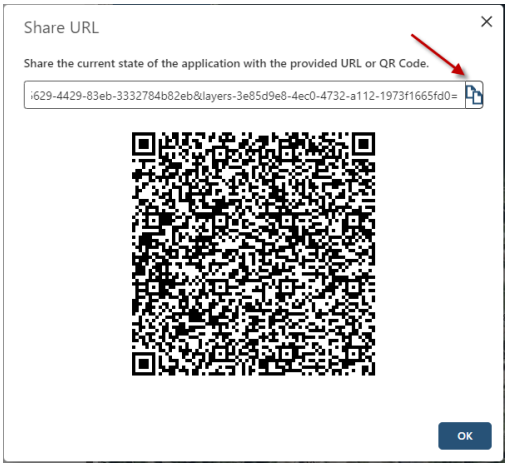
If your map does not appear after you click the Click to Download link, your browser's pop-up blocker may have blocked it. See this webpage to change your browser's pop-up blocker settings.
http://www.wikihow.com/Disable-Popup-Blockers

SHARE MAP LINK

Sharing your map will create a link that can be copied and shared whatever way you choose. It also generates a QR Code which you can access directly from another device, or save and share.

Configure the map the way you would like to, including the extent, layer visibility, bookmarks, and markup.

Select Get a Sharing Link from the I Want To menu, or Share Link from the Share toolbar.

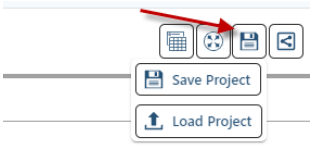


Copy the link to paste to your email or other sharing platform. Or right-click on the QR code and save the image to your computer to use later.

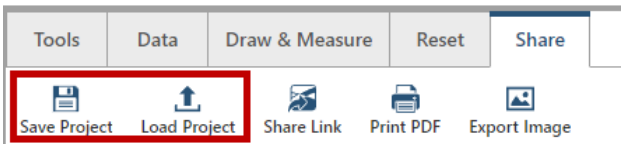
SAVE AND LOAD A PROJECT

Like sharing a link, you can save and reopen Projects on the same device. This will retain the extent, layer configuration, markup, and bookmarks from the last saved project so that you can continue your research or refer to it later.

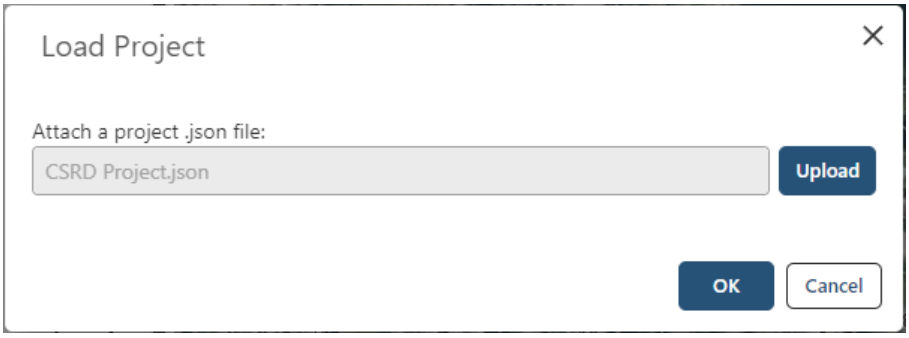
The Save and Load Project buttons are available at the top right of the application:



Or they are in the Share toolbar.



Give the project a meaningful name then click Ok. A JSON file will be downloaded to your usual download location.

Open the project again by choosing the Load Project option.

Click Upload to navigate to the JSON file with the configuration and press Ok. The current extent, layer configuration, and markup will be replaced by the uploaded configuration.