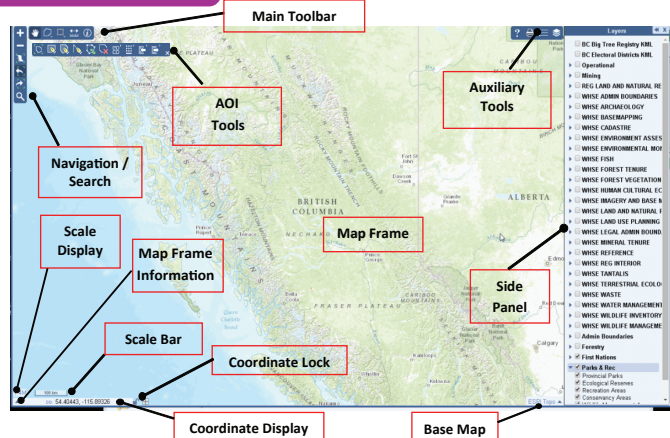


ILRR Quick Reference Guide Map Viewer (Map Inquiry)

Access the ILRR at: www.ILRR.ca

Map Viewer Interface






Contacts: ILRR Support

Toll Free (within BC): 1-866-952-6801
Within Victoria: 250-952-6801







E-Mail:
To open an issue:
NRSApplications@gov.bc.ca

To ask a question:
NRSEnquiries@gov.bc.ca






Auxiliary Tools

-  Layers
-  Legend
-  Print Map












Navigation/ Search Tools

-  Zoom In
-  Zoom Out
-  Zoom to BC
-  Zoom Previous
-  Zoom Next
-  Search





Main Toolbar

-  Pan/Zoom
-  AOI Geometry Toolbar
-  Selection Toolbar
-  Measure Area
-  Identify












AOI Geometry Toolbar (Under Main Toolbar)

-  Zoom to Area of Interest (AOI)
-  Draw Rectangle
-  Draw Polygon
-  Draw a Line String
-  Draw Circle
-  Edit Area of Interest
-  Clear Area of Interest
-  Coordinate Geometry Editor (COGO)
-  Geometry Calculator
-  Import
-  Export

Selection Toolbar (Under Main Toolbar)

-  Zoom to Selection
-  Select by Box
-  Unselect by Box
-  Unselect All

Calculator Toolbar (Under Main Toolbar)

-  Save to Memory
-  Recall from Memory
-  Memory Clear
-  Merge
-  Intersect
-  Subtract
-  Buffer
-  Simplify
-  Validate
-  Close Polygon
-  Clean Polygon

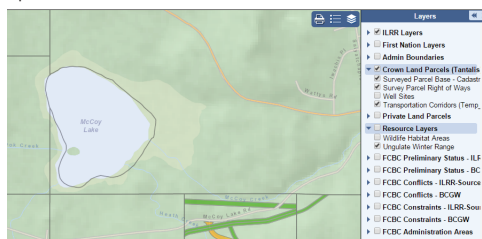
Layers

-  Click the Layers tab in the Auxiliary toolbar, to open the layer's list in the side panel.

This side panel provides the ability for the user to turn on or off the different folders and the map layers that are available in the ILRR map viewer.

1. Check the folder and map layer you want displayed on the map.
2. The map scale affects what layers are visible.
3. In the image to the right, the Crown Land Parcels (Tantalis) folder is visible with the Survey Parcel Base – Cadastral, Survey Parcel Right of Ways and Transportation Corridors (Temporary) layers visible.

In that folder Well Sites are not turned on or visible. Also the First Nations Layers and Admin Boundaries folders do not have any layers visible on the map.



Creating an AOI

An Area of Interest (AOI) is used to define the geographic extent of a focus area shown as a polygon on the map that will be used as a query.

There are four methods for creating an AOI in the ILRR Map Viewer:

1. Draw an AOI using a rectangle
2. Draw an AOI using a circle
3. Draw an AOI using a polygon
4. Draw a Line String with a calculated buffer

Draw Rectangle and Draw Circle

To Draw a Rectangle or Circle AOI, use the following method:

1. Click on the map and select the **Draw Rectangle** or **Draw Circle** button.
2. Click the left mouse button in the rectangle's corner or the center of the circle.
3. Hold the mouse button down and drag the mouse to create the AOI's required size. (The AOI will show as a red colour shape.) Release the mouse which will stop drawing the AOI.
4. Click the **Submit AOI** button.

Draw a Line String


This tool draws an Area of Interest (AOI) in the shape of a line.

1. On the map, select the **Draw a Line String** button.
2. Click on the map where you want your line to start and then click in a different area to create a point.
3. When complete, double click to add the last point of the line.
4. Click the **Geometry Calculator** button. Enter a distance in meters which will put two parallel lines from the line string to create an area. Click the **Buffer** button.
5. Click the **Submit AOI** button to make that into your AOI.






Draw Polygon

To Draw a Polygon AOI, use the following method:


1. On the map, select the **Draw Polygon** button.
2. Click the left mouse button once to start the polygon. Move the mouse to another location on the map and click once. Continue until you have finished drawing the polygon. Double-click to end and complete the polygon.
3. Click the **Submit AOI** button to make that shape into your AOI.

 To draw multiple rectangles, simply click the **Draw Rectangle** button and repeat the steps. The first or primary rectangle drawn is outlined brown, subsequent rectangles drawn are outlined blue.


Copy the Geometry as an AOI Feature

1. Open the **Map Layers**  and turn on the layer which you want to use as an AOI.
2. Click the **Identify Features** button  from the main toolbar.
3. Click once on the map to identify features at that point.
4. Choose from the drop-down menu to identify all visible layers, or only a specific layer.
5. The identified features are shown in the side panel.
6. Click the **Expand All** button  to show attribute names and values.
7. Hover over a feature title to highlight it on the map.
8. Click a feature title to zoom to it.
9. Click  to copy that feature as AOI geometry.
10. You can copy multiple features by clicking each feature .
11. Click the **Submit AOI** button to make that shape into your AOI.
12. Follow the prompts to generate the report.

Saving/Recalling

 **Save to Memory:** The **Save to Memory** button saves the primary AOI geometry into memory. AOI geometry will be overwritten if one is pre-existing in memory. This will only stay in memory while you are in a map viewer session. Once you get out of the session the memory is cleared.

1. Click the **Save to Memory** button to put a drawn line string or polygon into memory.
2. You can now clear the geometry from the map. The geometry will stay in memory and will show as a gray outline on the map.

 **Recall from Memory:** The **Recall from Memory** button recalls the geometry from memory as a new active geometry AOI. This will add the geometry back in as a secondary AOI if a primary AOI is already present on the map.

1. Click the **Recall Memory** button to add the polygon to the map. If another polygon has been drawn, the recalled geometry will be added as a secondary geometry highlighted blue.

Import/Exporting Data

 Import Data

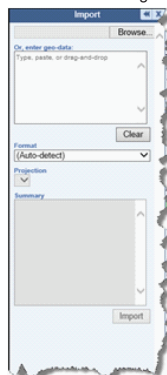
Pressing the **Import** button imports geometries from a variety of spatial formats into the map viewer. The data format can be auto-detected based on the file type, or selected from the Format drop-down. Available formats for import include the following:

- **KMZ** (*.KMZ) Zipped Keyhole (used in Google Earth)
- **GeoJSON** (*.JSON) - Geometry expressed in JavaScript notation
- **Well-Known Text** (*.WKT) - a simple and widely-used geometry format
- **Simple Text** (*.TXT) - a text listing of the geometry coordinates
- **Shapefile** (*.SHP) - the ESRI shapefile format

The data file coordinate system is auto-detected. Supported coordinate systems are: **Geographic** (Lat/Long), **BC Albers**, and **UTM**.

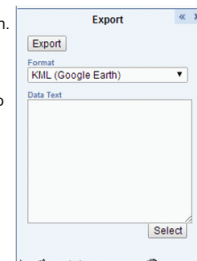
To import geometry data, click the **Import** button from the AOI toolbar. This brings up the Import screen (shown to the right) in the information panel.

1. Provide Geometry data file in one of the following ways:
 - Click **Choose File** to select a file from your PC's directory and then click **Open** to upload the file.
 - Type geometry data into the text area.
 - Paste data into the text area using clipboard (**Ctrl+V**).
 - Drag and drop a file into the **Import** information panel area.
2. After the geometries data has been loaded into the Import screen a summary shows the detected file type, coordinate system, and number and size of the features.
3. Click **Import** to complete importing the data. The map extent will automatically zoom to the uploaded data.


 **Export Data**

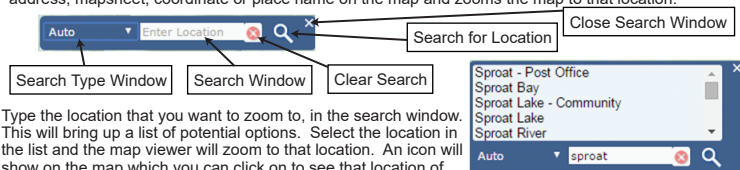
Pressing the **Export** button Exports the current AOI geometry in a variety of spatial formats. Geometry is exported in the geographic coordinate system (WGS84). Once export is finished the button is disabled.

1. To export data, click the **Export** button. This brings up the Export screen (shown to the right) in the information panel.
2. Click the down arrow under **Format** to choose the file format you wish to export to. Available formats include:
 - **KML** - Keyhole Markup Language, as used in Google Earth
 - **GeoJSON** - Javascript notation
 - **Well-Known Text** - WKT, a widely-used text geometry format
 - **Simple Text** - a text listing of the geometry coordinates
3. Click **Export** to display the AOI geometry in the selected format in the textbox. The exported text can be copied using **Ctrl+C** and then pasted into a simple text application such as Notepad and then saved with the extension for the format you exported.




Search for Location Tool

Pressing the Search for location icon in  the Navigation/Search tool searches for a particular address, mapsheet, coordinate or place name on the map and zooms the map to that location.



Type the location that you want to zoom to, in the search window. This will bring up a list of potential options. Select the location in the list and the map viewer will zoom to that location. An icon will show on the map which you can click on to see that location of interest. If you don't see the location you need type more information into the search window. For example if I wanted Sproat Lake Provincial Park, I would need to type Sproat Lake and then it would show. Or change the Search type and put in place name to narrow the search.

[Print Map](#)

1. Click the **Print Map**  button to display the Print panel.
2. Enter the printing parameters:
 - **Title** - title to appear on the printed map at the top of the map.
 - **Notes** - notes to display on the printed map in a smaller font size on the bottom of the map.
 - **Layout** - page layout for the map.
 - **Scale** - click the drop down box to select the scale at which to print the map
 - **Resolution** - click the drop down box to select 'Low', 'Medium' or 'High' resolution of the map image
3. To print the map, click **Print**. Resultant map comes up ready to print in your print browser.
4. To cancel a print request, click **Cancel**.

Map Viewer Tools

Scale Bar: provide a visual indication of the size of features and distance between features on the map.

Coordinate Lock: In the locked position, the coordinate display updates only when the map is clicked. This allows the user to copy the coordinate string.

Scale Text: The scale displayed as a numerical ratio.

Coordinate Display: Provides 8 different coordinate systems to list the location of the cursor on the map. (Decimal display; decimal minute seconds; decimal minute; BC Geographic system mapsheet; Mineral Title Online grid; BC Albers; UTM (universal transverse Mercator & zone) and Web Mercator.)

Graticule Display: Turns on a grid to help orient a user to the map.

Base Map Selection
(shown in main map):
25 different basemaps
which can change the
look between
cartographic products
and image products.

| | |
|---------------------------|--------------------|
| DataBC | Bing Roads |
| DataBC Export | Bing Hybrid |
| DataBC WMS | Bing Aerial |
| DataBC Ortho Ctr | Open Street Map |
| DataBC Ortho BW | Open Cycle Map |
| DataBC TRIM 2m | Open Transport Map |
| DataBC TRIM 100m | OSM Outdoors |
| DataBC Landsat 5 2006 Ctr | OSM Landscape |
| DataBC Hillshade Ctr | ESRI Imagery |
| MapQuest Open | ESRI Topo |
| Google Streets | Black |
| Google Terrain | White |
| Google Satellite | |

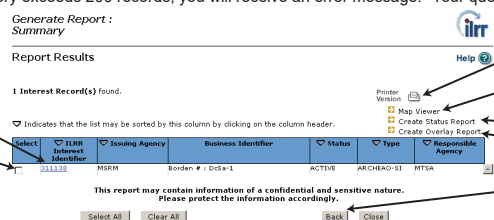
Viewing Summary Results

From the Generate Report - Display Options screen, if you selected **Screen** for your output format the Generate Report Summary displays. All records shown contain a spatial record matching the ILRR query. This screen will display up to 200 records. If your query exceeds 200 records, you will receive an error message: "Your query's result set includes too many records. Select Output format "Batch"."

From this screen you can:

- View the Summary Report screen results by scrolling down your list.
- See a detailed report of one of the query results by clicking the blue hyperlinked record in the ILRR Interest Identifier column.
- Select items by putting a check in the select check box.


- Select items by putting a check in the select check box.



- Print the ILRR page of summary results by clicking the **Printer Version** icon at top right of screen.
- View Selected features in Map Viewer by using the checkboxes, select the record(s) you want to view, then click **Map Viewer**.
- Create a Status Report from one of the query results
- Create an Overlay Report that will search the BCGW for overlapping features.
- Go back to Generate Report - Display Options window where you can change your sort order, display, and/or output format.

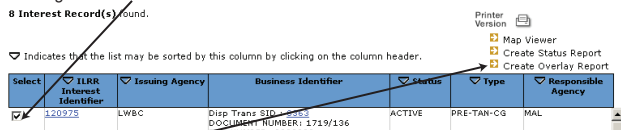
Create Overlay Report

The ILRR Overlay Report allows the user to specify a spatial location in the ILRR and search through the layers of spatial data available in the BCGW. The user can then report information about the feature records that spatially overlap with the location. The Overlay Report will rely on the Spatial Overlay Engine web service application to generate the report in HTML format, and the number of spatial layers can be included in the report is restricted by what is supported through BCGW.

 Only the spatial parameter will be used when requesting the overlay report. All attribute parameters specified in the Custom Status will be ignored by the overlay report.

To Create an Overlay Report use the following method:

- Select a single feature.
8 Interest Record(s) found.



4. Change the buffer default as required. Buffer range is mandatory and must be 0 to 10,000 meters.
5. Click the **OK** button to generate your report.

