

Welcome!

To the GeoView System Overview Online Training Course

The Alberta Department of Energy provides GeoView as a mapping system to enable users to find geographic information in Alberta.

GeoView retrieves the mineral specific profile to display the appropriate configuration of the map.

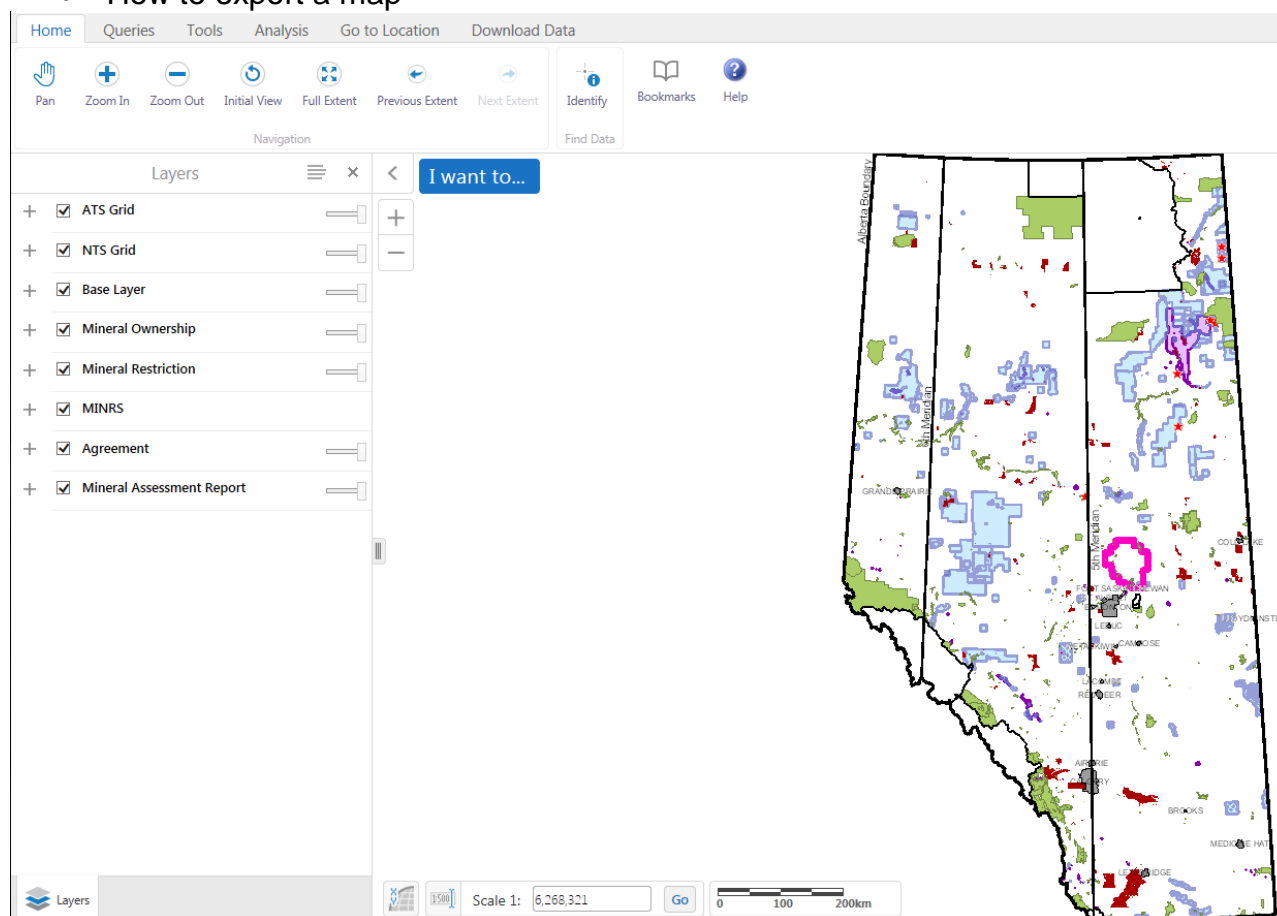
Revision

Date	Revisions Type	Page Number
May 3, 2016	Initial Creation	All
May 11, 2016	Updates	All

INTRODUCTION

In this module you will learn about Geoview's:

- Screen layout
- Information panel and map layers
- Toolbar
 - Home
 - Queries
 - Tools
 - Analysis
 - Go to Location
 - Download Data
- How to navigate the map
- How to use queries
- How to use identify
- How to use annotations
- How to create a printable map
- How to export a map

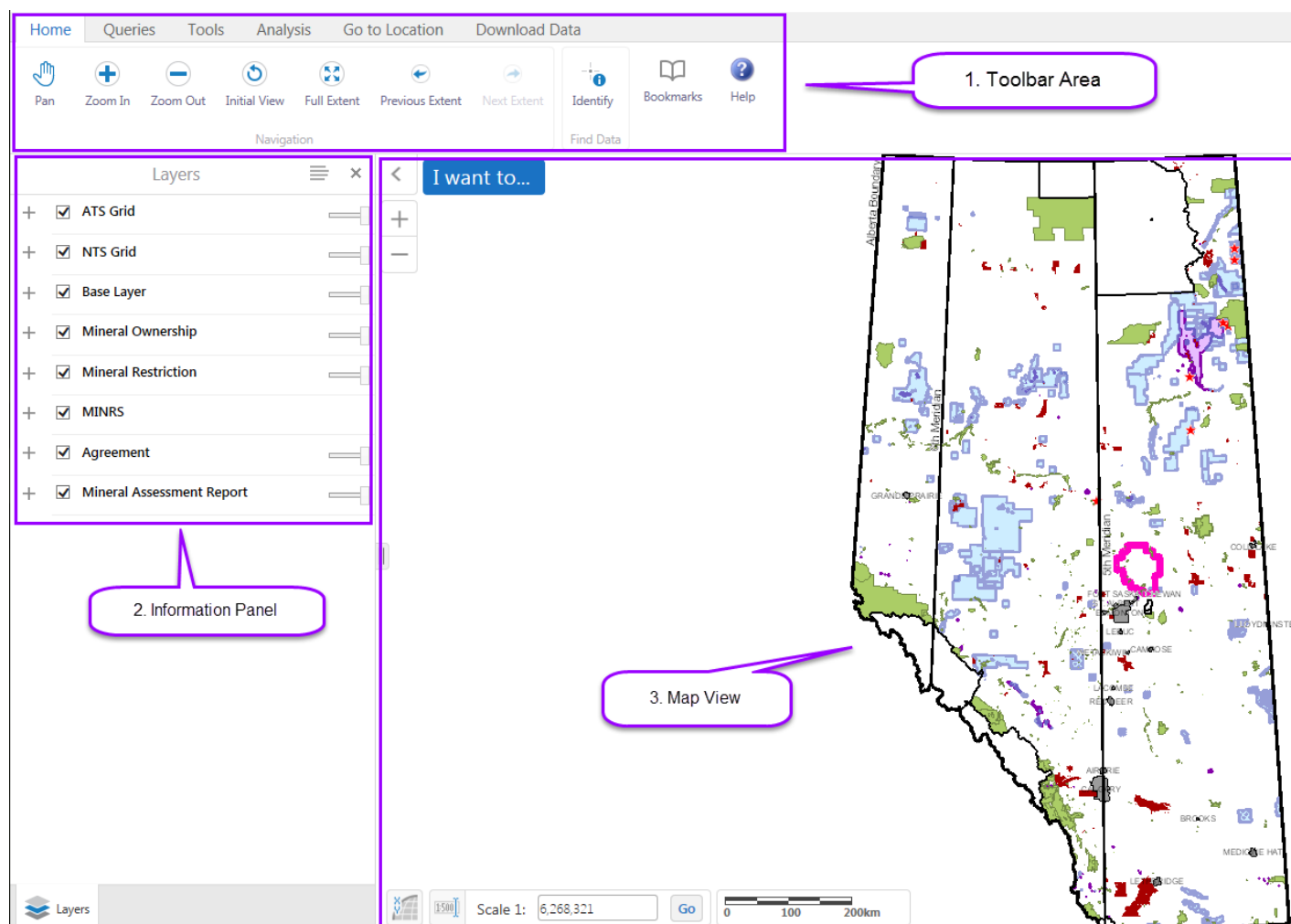


Note: As this course demonstrates the use of the GeoView tool, the data in some instances may not portray the actual Crown or Freehold ownership and is not specific to a particular mineral type map.

SCREEN LAYOUT

The GeoView screen display has three main sections:

TOOLBAR AREA	INFORMATION PANEL	MAP VIEW
Contains numerous tools that are used to move around the map, find or search information on the map, print the map etc. These tools are categorized into high-level groups: Home, Queries, Analysis, Go to Location and Download Data	Shows different kinds of information/results when you interact with the map. For example, this panel displays the Map Layers where you can select different layers to hide or show on the map.	Shows the map window where you can interact with the map by zooming, panning, annotating.



INFORMATION PANEL AND MAP LAYERS

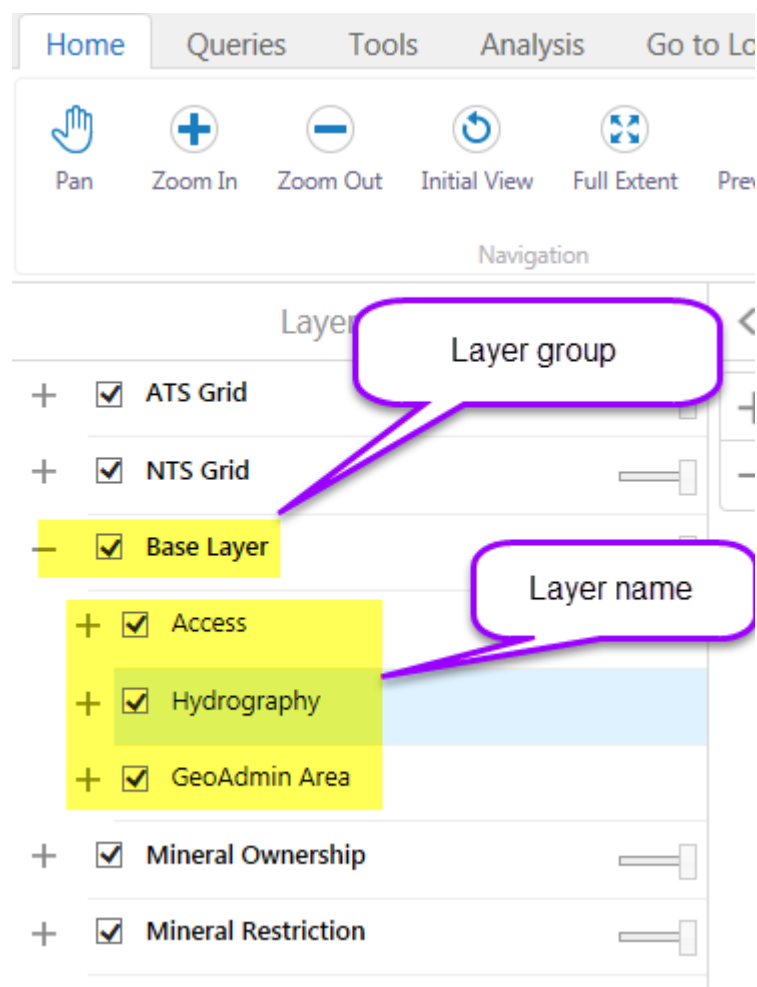
Map layers control the display of the map layers list. You can check or uncheck the map layers according to your requirement. You can also control the visibility and transparency of the map using the sliders.

The screenshot shows the GeoView interface with the following components:

- Navigation Bar:** Home, Queries, Tools, Analysis, Go to Location, Download Data.
- Navigation Tools:** Pan, Zoom In, Zoom Out, Initial View, Full Extent, Previous Extent, Next Extent, Identify, Bookmarks, Help.
- Layers Panel:**
 - Layers List:**
 - ATS Grid (checked, transparency slider)
 - NTS Grid (checked, transparency slider)
 - Base Layer (checked, transparency slider)
 - Access (checked)
 - Hydrography (checked)
 - GeoAdmin Area (checked)
 - Alberta Boundary (checked)
 - Municipality(Except City) (unchecked)
 - Municipality (checked)
 - Municipality (Hamlet, Locality, Town and Townsite) (checked)
 - Urban Service Area (Fort McMurray, Sherwood Park) (checked)
 - Municipal District (unchecked)
 - Metis Settlement (unchecked)
 - National Park (checked)
 - Parks and Protected Area (checked)
 - Indian Reserve - Surface (checked)
 - DND Military Base (unchecked)
 - Callouts:**
 - "Click on the '+' or '-' to expand or collapse the layers" (points to the '+' icon next to the Base Layer).
 - "Click on the slider to control transparency of displayed layers" (points to the transparency slider for the ATS Grid).
 - "Uncheck the layer to control visibility on the map" (points to the 'Metis Settlement' checkbox).
- Map:** A map of Alberta showing various geographical features and administrative boundaries. A pink circle highlights a specific area in the central part of the province.
- Scale Bar:** Scale 1: 6,268,321. Go. 0 100 200km.

INFORMATION PANEL AND MAP LAYERS – LAYER GROUP AND LAYER NAME

The Information Panel display consists of a Layer Group and Layer Names. When the Layer Group is expanded, the Layer Names will be visible. You can check/uncheck the Layer Group and Layer Names to control visibility in the map. The display of the Layer Group will override the display of the Layer Names.



INFORMATION PANEL – MAP LEGEND

The Map legend shows the corresponding legend for the layers used in map. You can toggle between Show Legend and Show Layer.

Layers	Legend
<div> <div>+</div> <div><input checked="" type="checkbox"/></div> <div>ATS Grid</div> <div></div> </div>	<div> <div>—</div> <div>Sale Results</div> <div> <div></div> <div>No Sale Result - Oil Sands</div> </div> <div> <div></div> <div>No Sale Result - Petroleum and Natural Gas</div> </div> </div> <div> <div>—</div> <div>Base Layer</div> <div> <div></div> <div>Municipality</div> </div> <div> <div></div> <div></div> </div> <div>Urban Service Area (Fort McMurray, Sherwood Park)</div> <div> <div></div> <div>Metis Settlement</div> </div> <div> <div></div> <div>National Park</div> </div> <div> <div></div> <div>Parks and Protected Area</div> </div> <div> <div></div> <div>Indian Reserve - Surface</div> </div> </div> <div> <div>—</div> <div>Doe Boundary</div> <div> <div></div> <div>Plains Northern Foothills Boundary</div> </div> <div> <div></div> <div>Oil Sands Area</div> </div> </div>
<div> <div>+</div> <div><input checked="" type="checkbox"/></div> <div>NTS Grid</div> <div></div> </div>	
<div> <div>+</div> <div><input checked="" type="checkbox"/></div> <div>Base Layer</div> <div></div> </div>	
<div> <div>+</div> <div><input checked="" type="checkbox"/></div> <div>Doe Boundary</div> <div></div> </div>	
<div> <div>+</div> <div><input checked="" type="checkbox"/></div> <div>Mineral Ownership</div> <div></div> </div>	
<div> <div>+</div> <div><input checked="" type="checkbox"/></div> <div>Sale Results</div> <div></div> </div>	
<div> <div>+</div> <div><input checked="" type="checkbox"/></div> <div>Agreement</div> <div></div> </div>	

Legend

×

<

I want to

Show Layer List

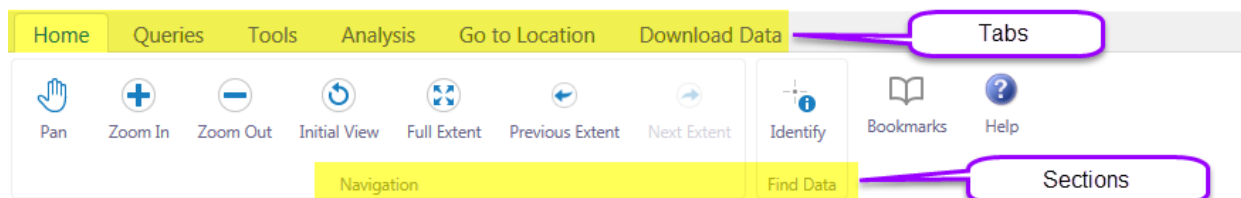
Display the list of available layers

Click to display layer/legend

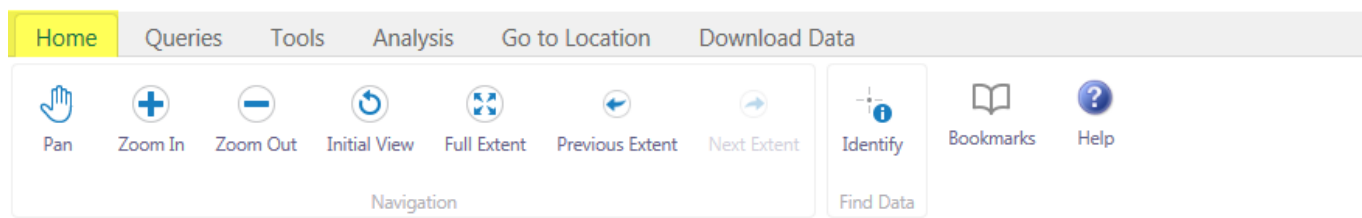
TOOLBAR

The toolbar contains many of the tools you use to pan (move around), zoom in and out, as well as to find and manipulate the information that is stored in the map.






The toolbar is divided into **Tabs** that group tools into high-level functions for example; Home, Queries, Tools, Analysis, Go to Location and Download Data. Each tab is divided into **Sections** by function for example, for the Home Tab; there are Navigation Tools and Find Data sections.



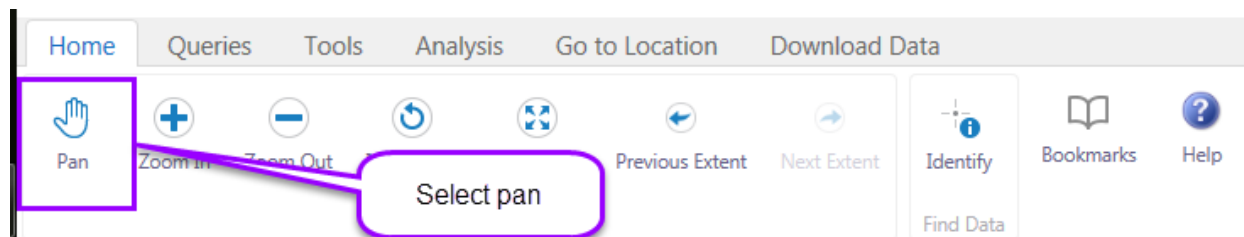
TOOLBAR TAB - HOME



Use these tools:	To:
Pan	Pan (move) the map in any direction. To pan the map, click on it and drag in any direction. Use the Pan tool to return to panning when you have used other tools.
Zoom In	Zoom in click and drag an area on the map or use your roller on your mouse.
Zoom Out	Zoom out click and drag an area on the map or use your roller on your mouse.
Initial View	Return to the extent (scale) that the map was at when it opened.
Full Extent	Return to the extent (scale) that the map was at when it opened.

 Previous Extent	The map is zoomed backward to the previous extent (previous view of the map).
 Next Extent	If you have zoomed forward and back the map will zoom forward to the next extent.
 Identify	Identify information at the point on the map that is clicked is available at the section level scale.
 Bookmarks	Create and navigate to a previously created bookmark. To add a bookmark for the current extent, click the plus +, enter a name, and then click OK.
 Help	Opens page that lists the Geoview Training Manuals related to the specific mineral map accessed.

How to navigate the map – Pan



Home Queries Tools Analysis Go to Location Download Data

Pan Zoom In Zoom Out Initial View Full Extent Previous Extent Next Extent Identify Bookmarks Help

Navigation

Layers

- ☒ ATS Grid
- ☒ NTS Grid
- ☒ Base Layer
- ☒ Access
- ☒ Hydrography
- ☒ GeoAdmin Area
- ☒ Mineral Ownership
- ☒ Mineral Restriction
- ☒ MINRS
- ☒ Agreement
- ☒ Mineral Assessment Report

I want to...

Click and drag mouse to move to different location on the map

How to navigate the map – Zoom In / Zoom Out

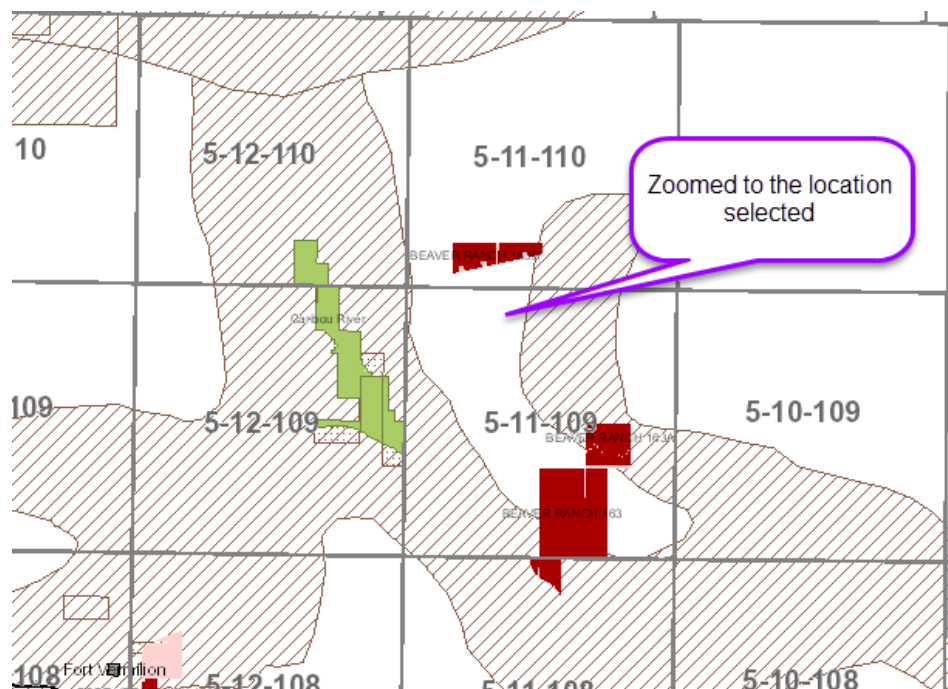
Zoom In and Zoom out allows user to view selected areas at different viewing scales.

Home Queries Tools Analysis Go to Location Download Data

Pan Zoom In Zoom Out Initial View Full Extent Previous Extent Next Extent Identify Bookmarks Help

Select zoom in

Select area by clicking and dragging

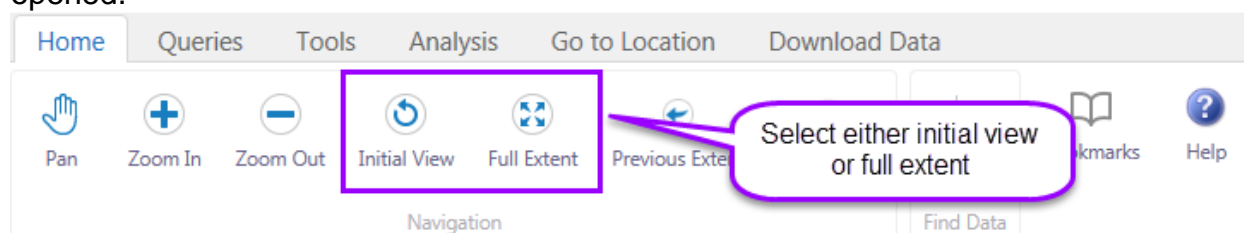


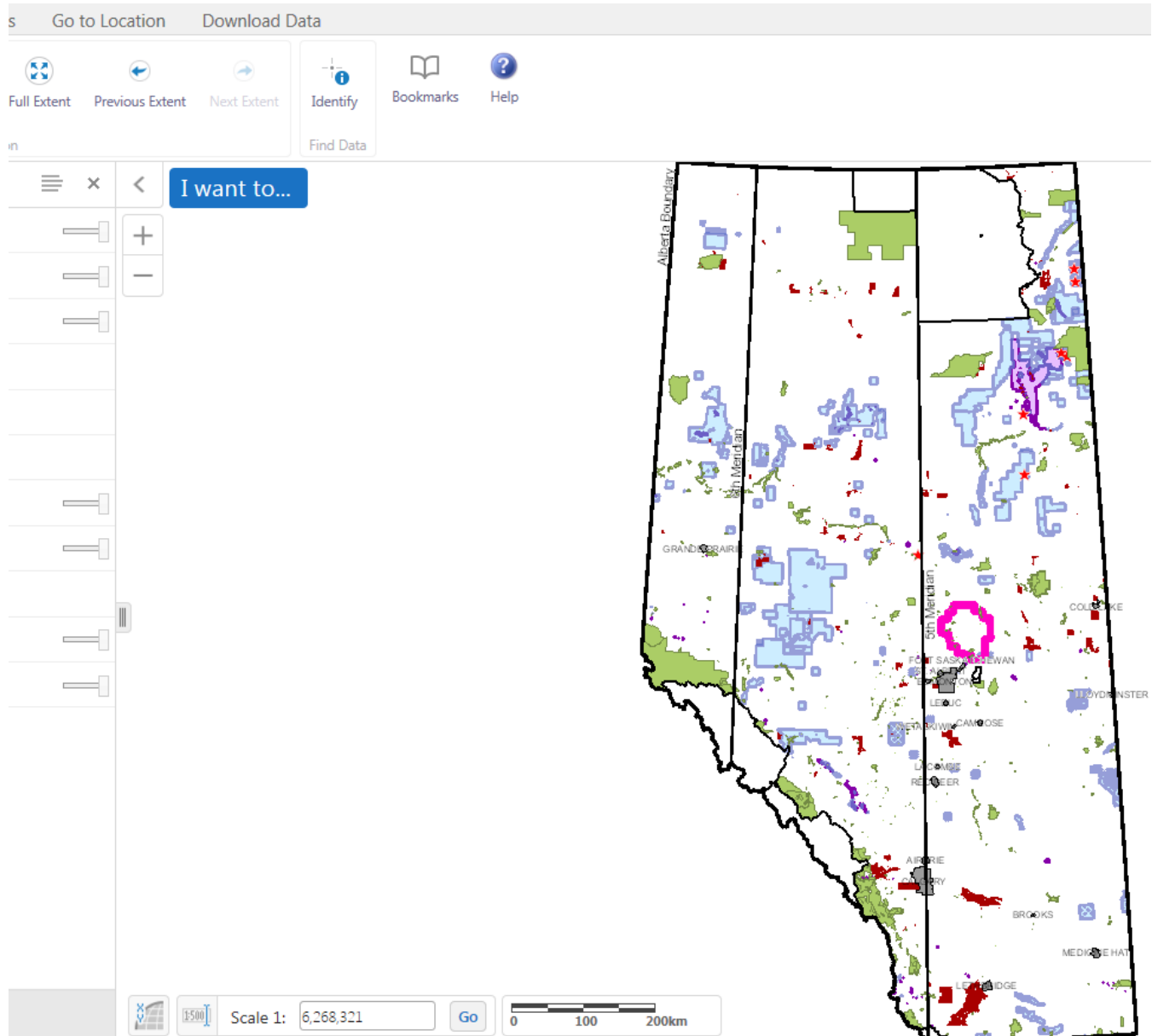
Selecting the 'zoom out' function works opposite of the 'zoom in' function.

Note: Once you are in the zoom mode you can also use the wheel on your mouse to zoom in and out.

How to navigate the map – Initial View / Full Extent

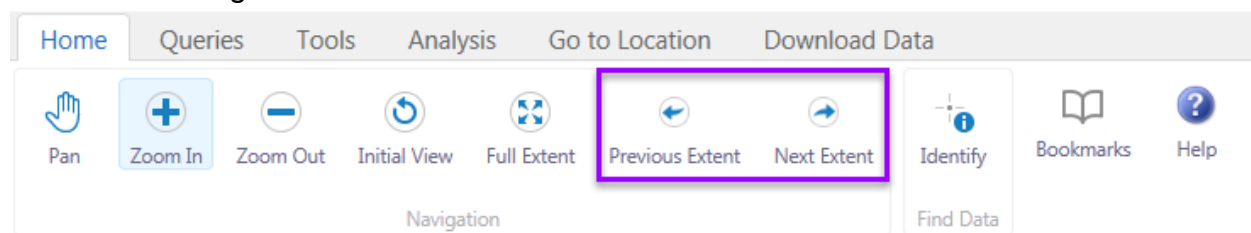
Initial View and Full Extent returns the map to the extent (scale) that the map was at when it opened.



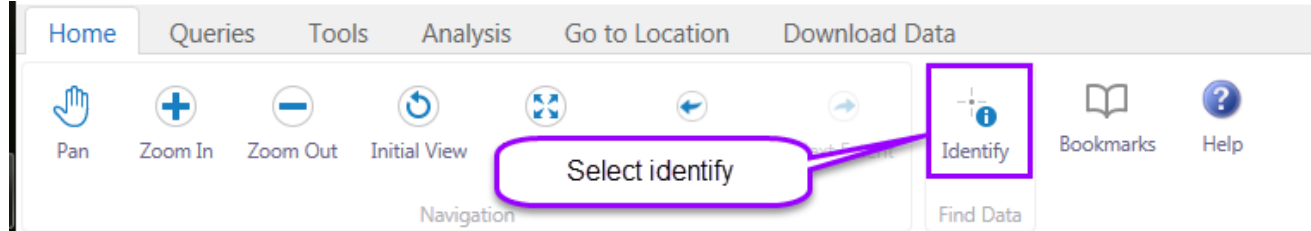


How to navigate the map – Previous Extent/Next Extent

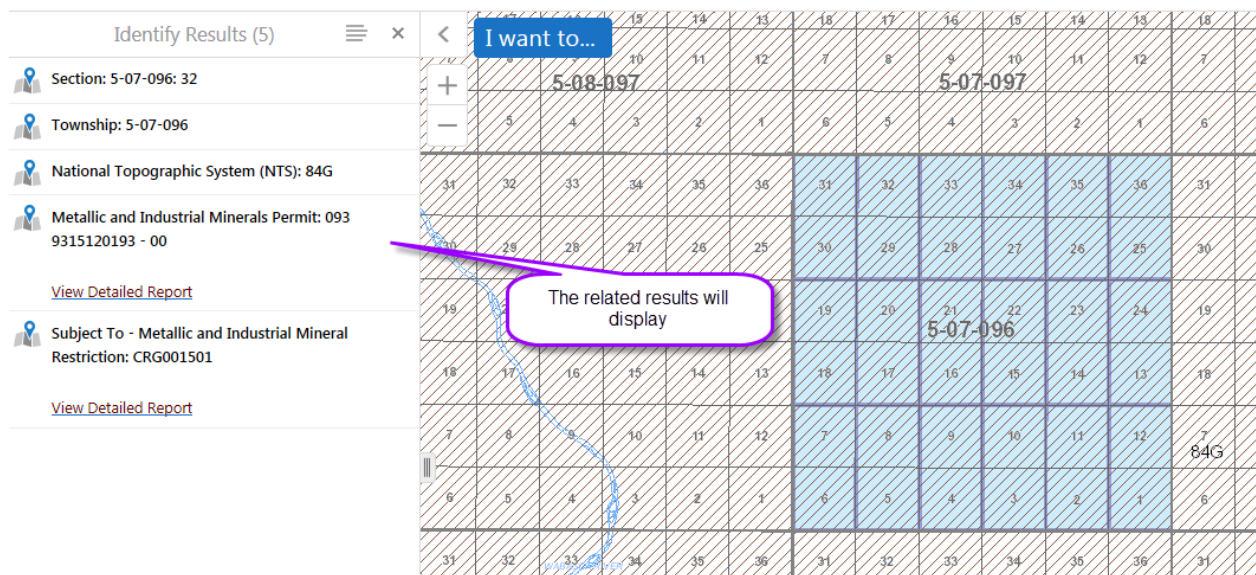
This allows user to navigate to go back to a previous extent the user has viewed and then the next extent will go forward.



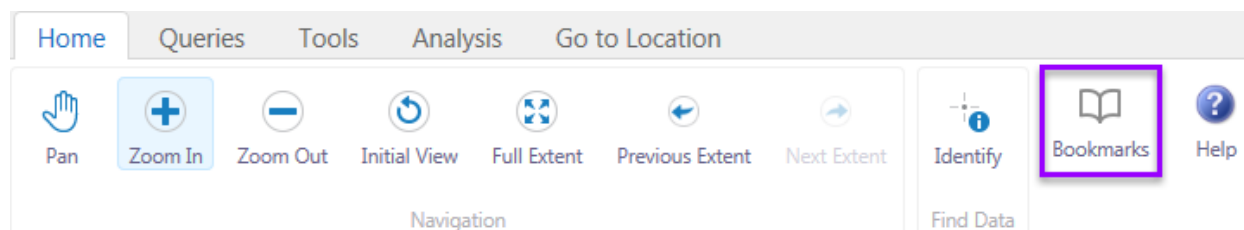
How to use – Identify



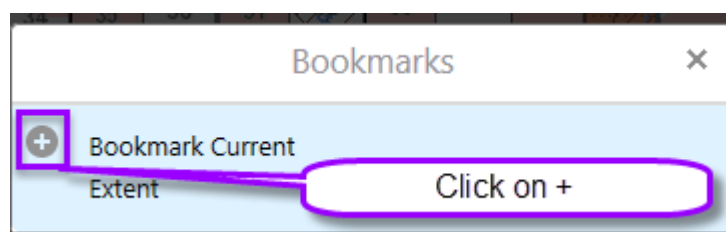
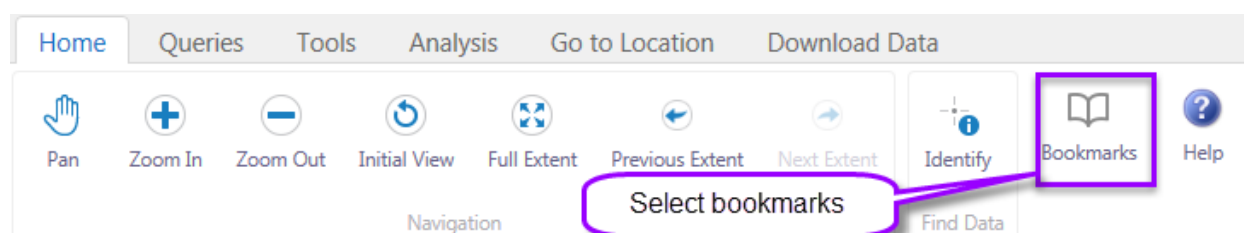
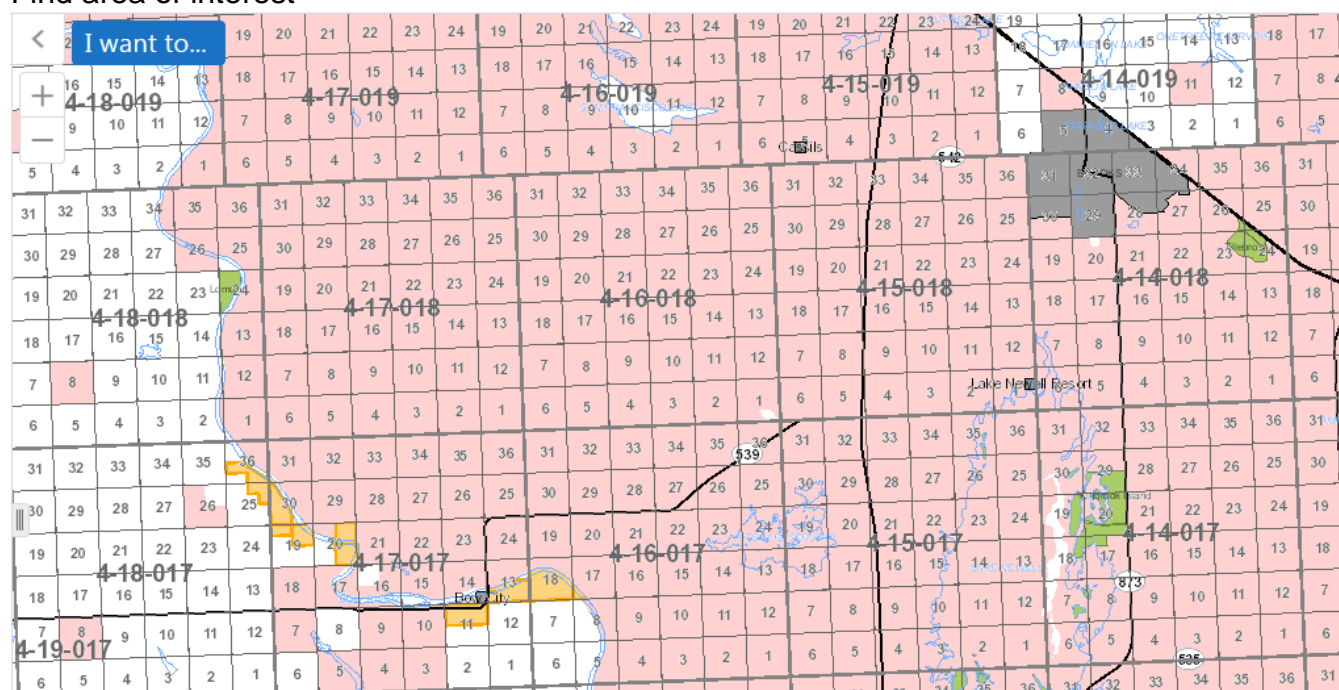
Note: When using the identify function you need to have the section scale visible.



How to use – Bookmarks



Open map
Find area of interest



Bookmark Current Extent

Enter name

Bookmark Name:

Ammo Shell SW Brooks area

Click ok

OK Cancel

Bookmarks

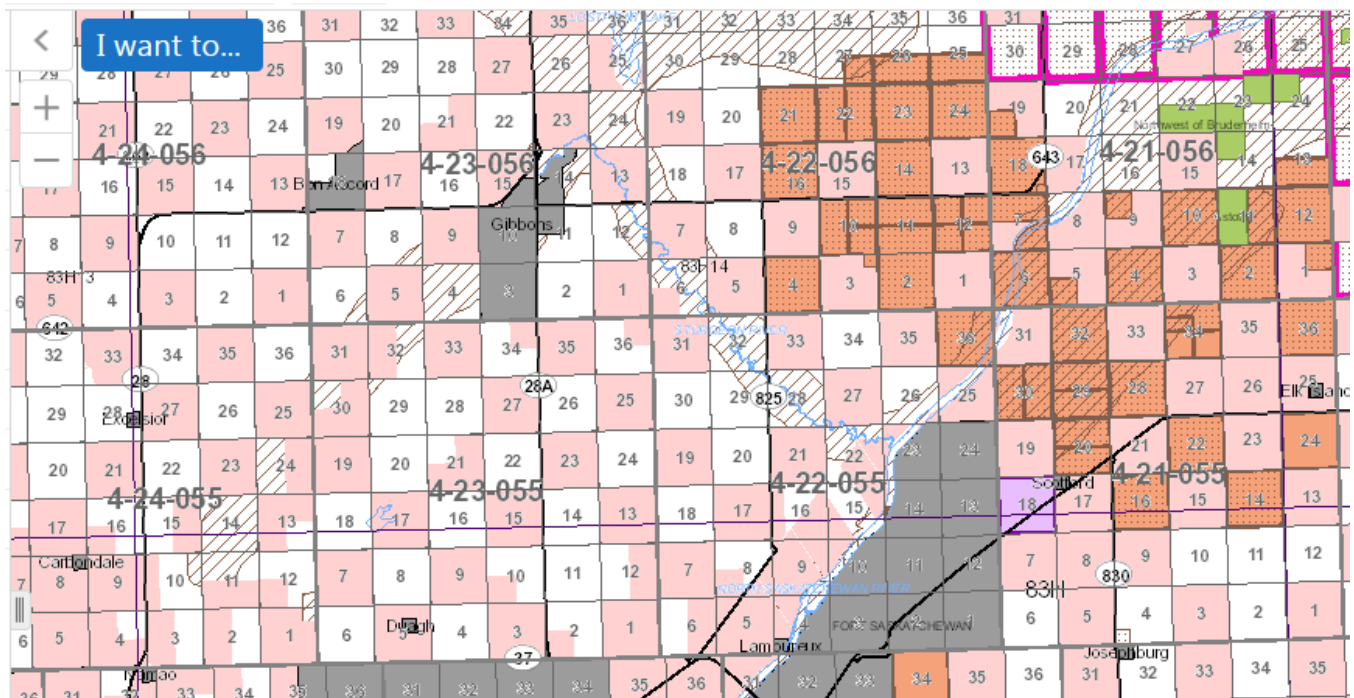
Bookmarked Locations

✕ Ammo Shell SW Brooks area

+ Bookmark Current Extent

Bookmark will display

Open Metallic and Industrial map
Find area of interest



Repeat bookmark process.

Bookmark Current Extent

Bookmark Name:

Met and Ind Fort Sask area

Enter name

Click ok

OK Cancel

Bookmarks

Bookmarked Locations

Ammo Shell SW Brooks area

Met and Ind Fort Sask area

Bookmark Current Extent

Both bookmarks will display

Note: Bookmarks are based on the user not on the different mineral type maps.

Bookmarks

Bookmarked Locations

Ammo Shell SW Brooks area

Met and Ind Fort Sask area

Coal Grand Prairie area

Bookmark Current Extent

If you are in the Coal map and click on bookmarks and select the Metallic & Industrial bookmark it will display the Met & Ind bookmark area on the Coal map.

Energy Coal

[Home](#)
[Queries](#)
[Tools](#)
[Analysis](#)
[Go to Location](#)
[Download Data](#)

Pan
 Zoom In
 Zoom Out
 Initial View
 Full Extent
 Previous Extent
 Next Extent

Identify
 Bookmarks
 Help

Navigation

Find Data

Coal Road Allowance Lease Ap...

I want to...

Description

[View Detailed Report](#)

Details

Agreement Type
A14

Agreement Number
160030301

Status
ACTIVE

Designated Representative
N/A

Designated Representative Id

Participants
N/A

Received Date
2016-05-11

How to access manual - Help

[Home](#)
[Queries](#)
[Tools](#)
[Analysis](#)
[Go to Location](#)
[Download Data](#)

Pan
 Zoom In
 Zoom Out
 Initial View
 Full Extent
 Previous Extent
 Next Extent

Identify
 Bookmarks
 Help

Navigation

Find Data

Select help

Energy

Geoview

Page will open with GeoView Training Manuals that pertain to the specific map.

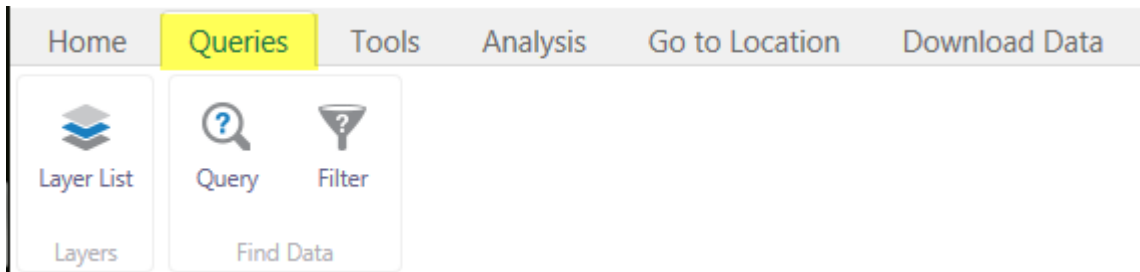
The Department of Energy Geoview system provides a graphical map-based interface for finding and viewing basic information on the disposition of Alberta-owned mineral resources. The system provides the ability to search for, view and print maps and text reports on Mineral Rights, Agreements and Restrictions.

This list pertains to the manuals related to the Metallic and Industrial Minerals Map

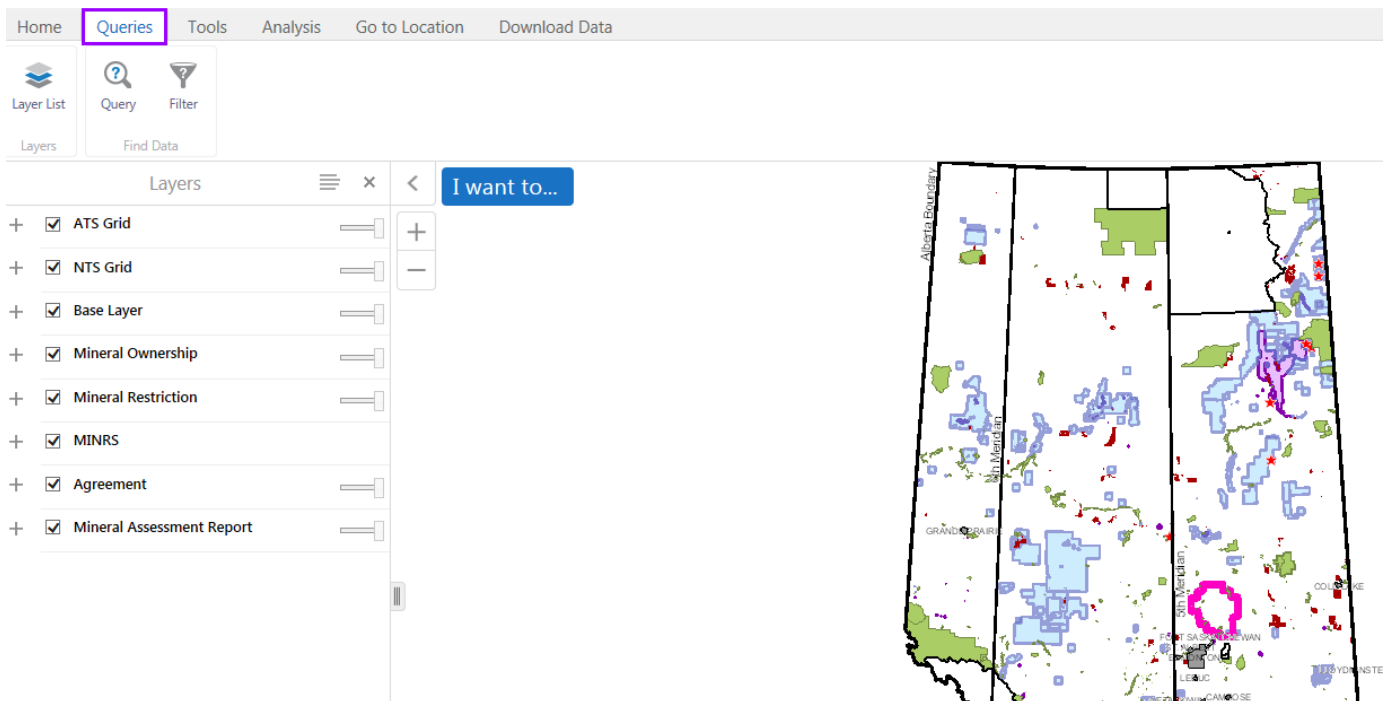
For help with using the system, please make use of the following links:

- [GeoView Training](#) - Provides a complete listing of all the functions and toolbars.
- [Download Data](#) - Provides a complete listing of all the functions and toolbars in Download Data tab.
- [Mineral Assessment Report](#) - Provides a guide to using Mineral Assessment Report data.

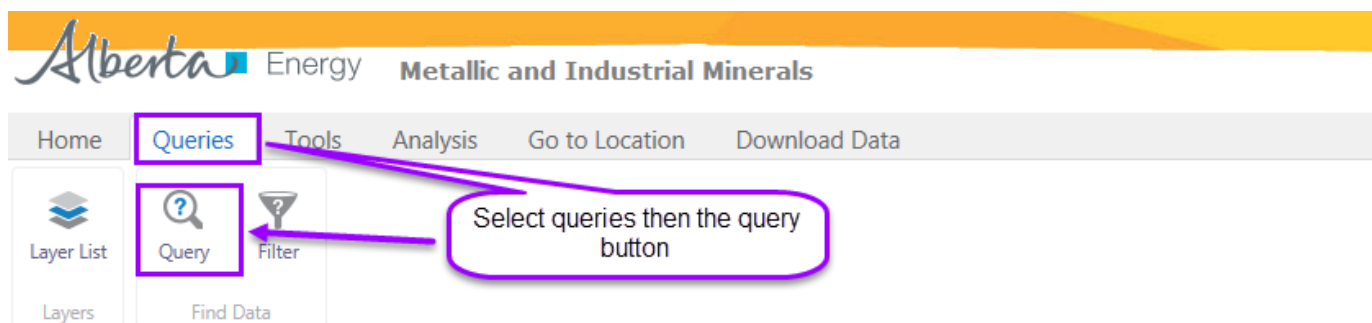
TOOLBAR TAB – QUERIES



Use these	To:
Layer List	Show the layer list in the Map Layers panel.
Query	Open the Query in the Information Pane. The Query makes it possible to specify a search by layer, field, and values. It is also possible to add multiple conditions to a search. Results will be returned.
Filter	Open Filter in the Information Pane. The Filter Builder enables end users to filter the features that show on the map. The Filter makes it possible to specify a definition expression to apply for a certain layer using its fields and specific values. The layer will be filtered to show only the results of the definition expression. Multiple conditions can be used to filter a certain layer.

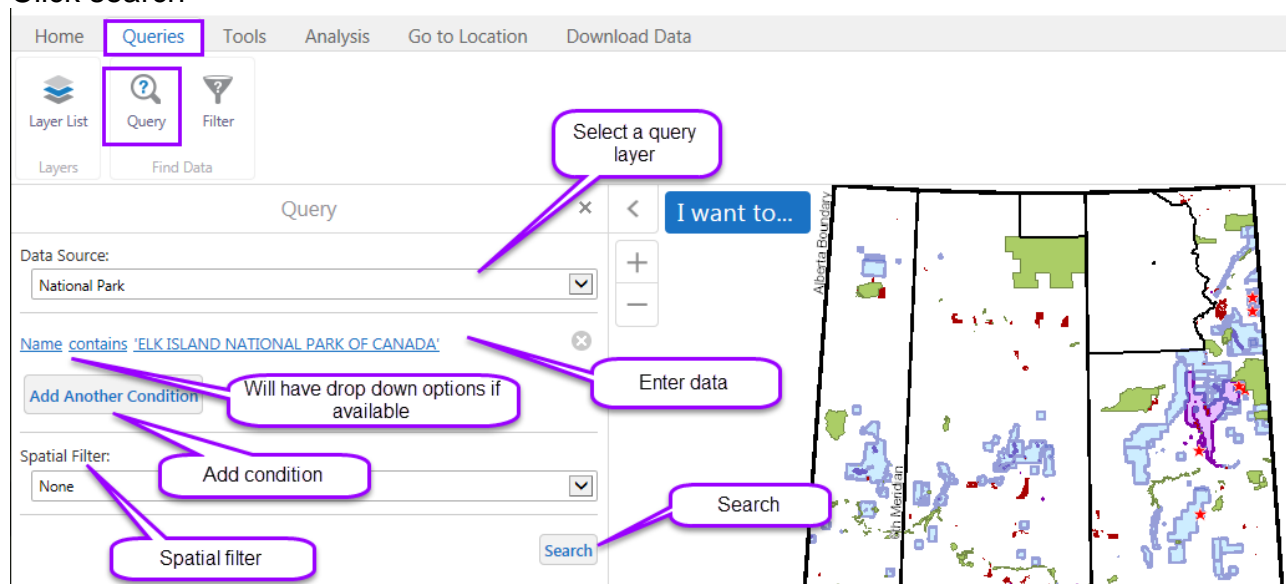


Note: The different mineral maps display different layer information.

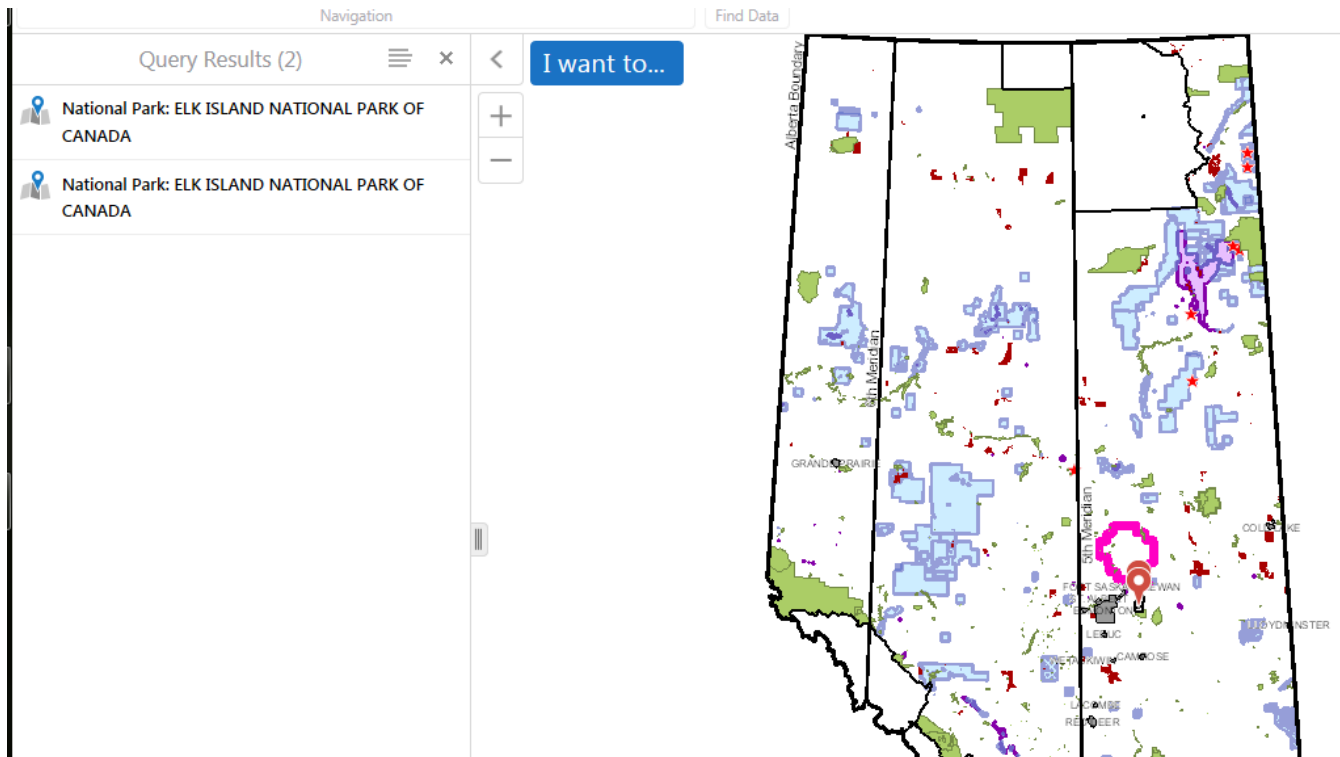


How to use Queries – Steps

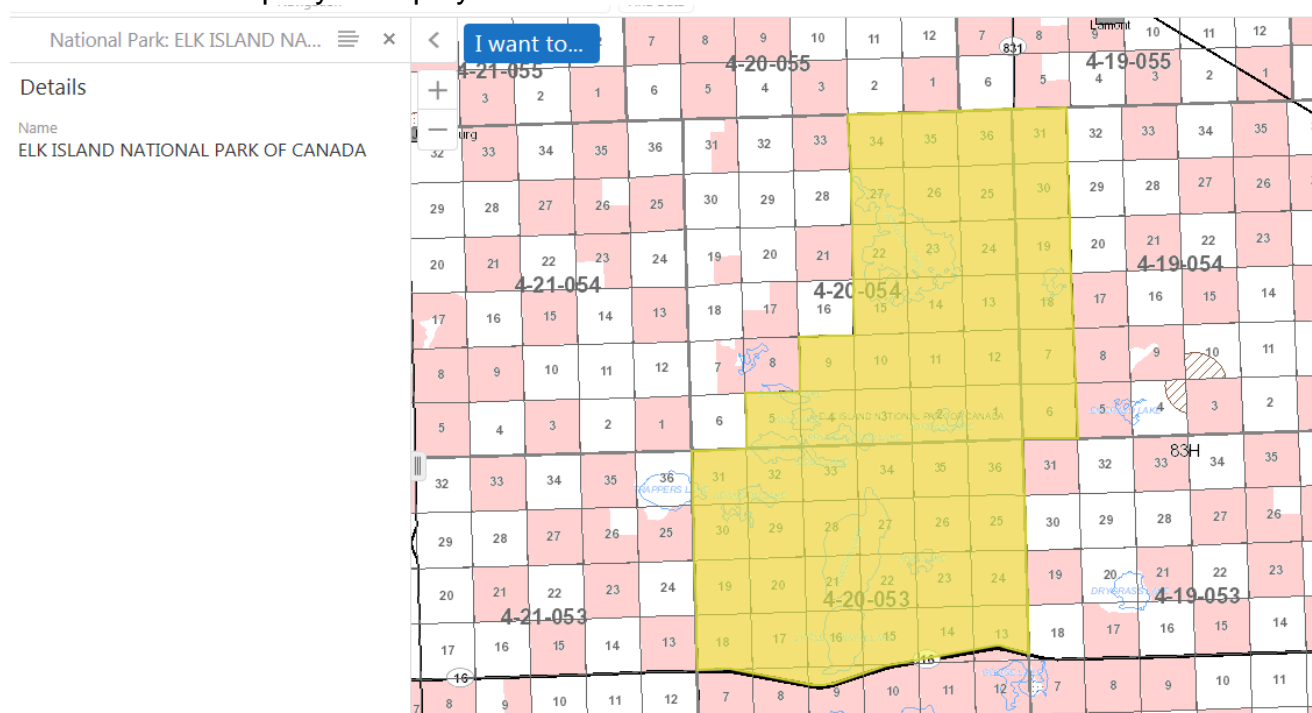
1. Select a query layer, layers available will display in a drop down
2. Enter data e.g. land key
3. Add another condition as required
4. Add spatial filters
5. Click search



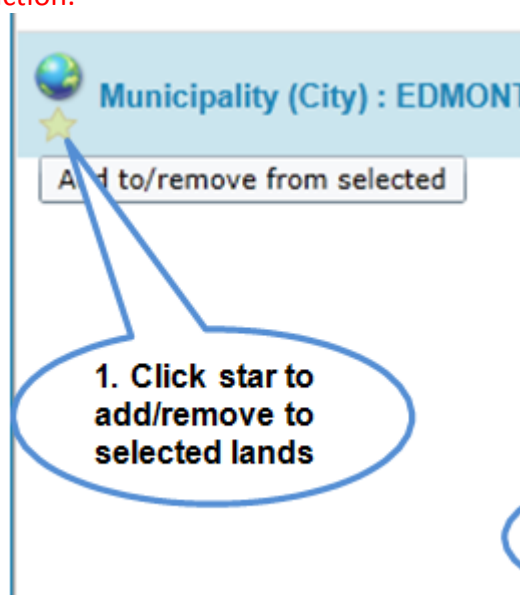
When search is executed you may end up with more than one result, select the one that you require.



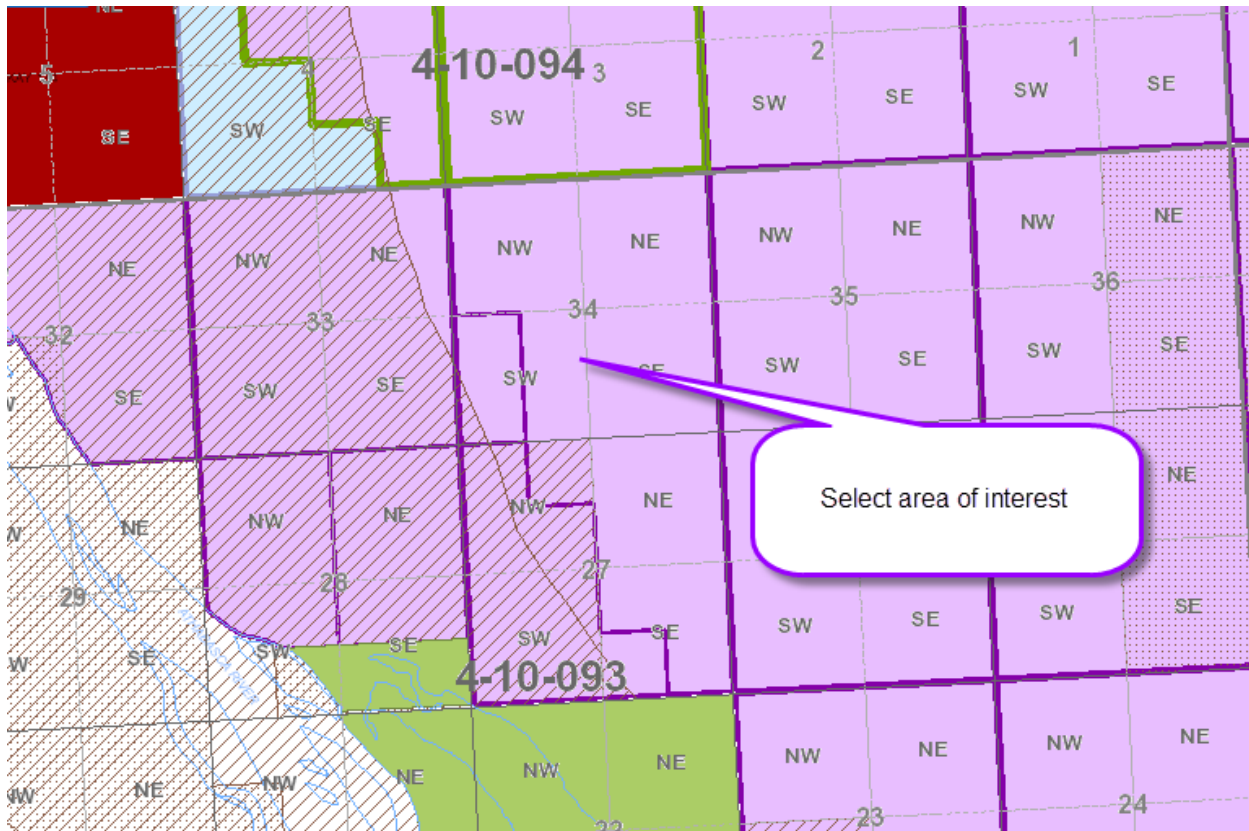
The result of the query is displayed.



This is sample from prod I think issue has been raised with geocortex, waiting for this required function.



How to use - Filter



Alberta Energy Metallic and Industrial Minerals

Home Queries Tools Analysis Go to Location Download Data

Layer List Query Filter Find Data

Select filter

Enter the data source layer

The map will then display only the filtered boundary selected

094 - Metallic and Industrial Minerals Lease

Agreement Number contains: 9415080835

Add Another Condition

Enter the agreement number

Spatial Filter:

Select current extent

Filter Clear

Click on filter

4-10-094

4-10-093

4-09-094

4-10-093

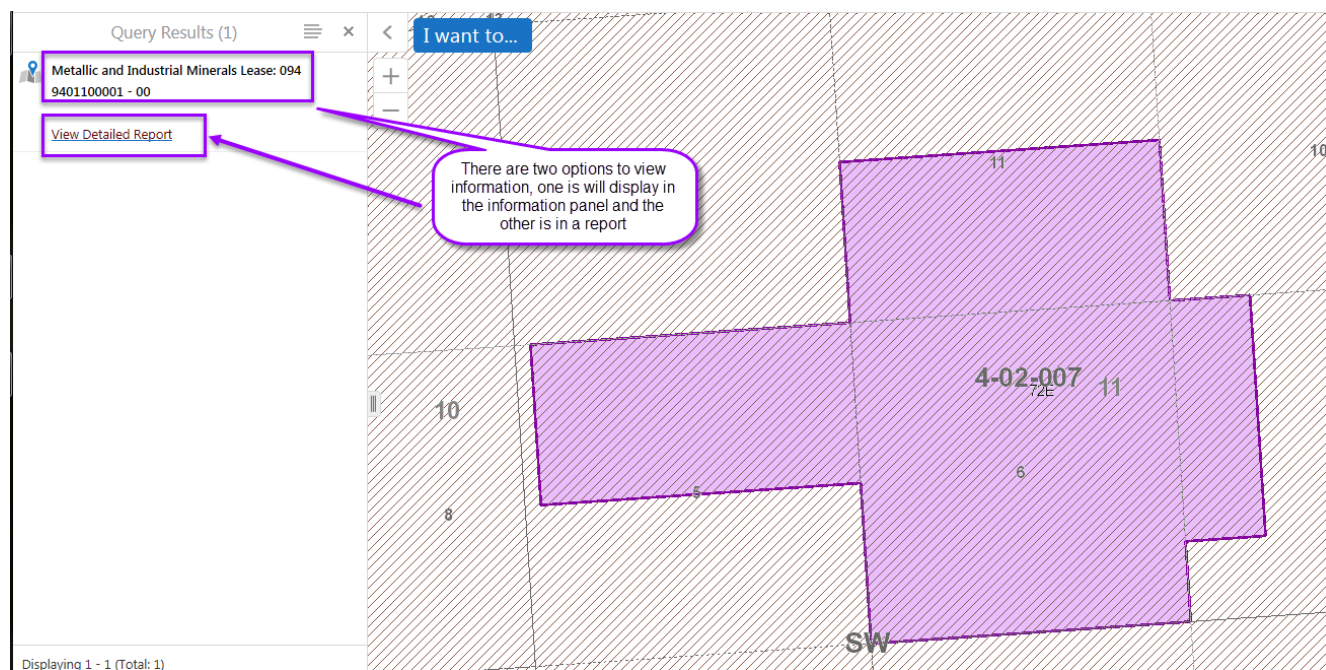
Scale 1: 38,157

Go

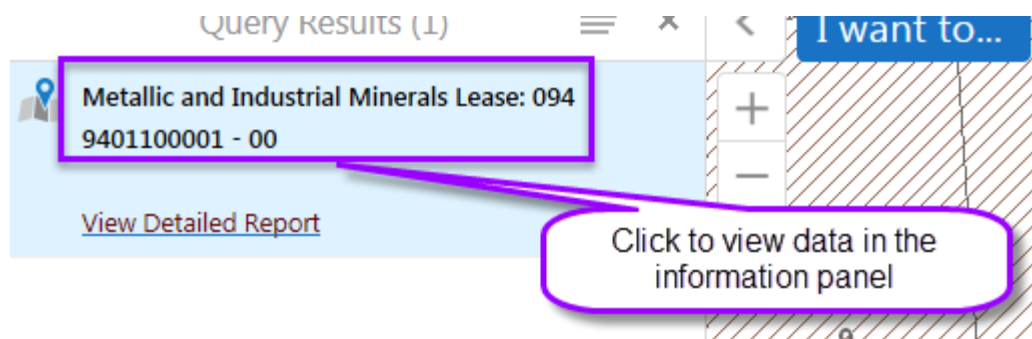
0 0.5 1km

DOE

How to use Queries - Results - View Detailed Report



The first one displays data in the information panel and only limited data.



Metallic and Industrial Minerals Lease: 0...

Description

[View Detailed Report](#)

Details

Status

ACTIVE

Designated Representative

IXL INDUSTRIES LTD.

Term Date

2001-10-17

Designated Representative Id

0000601

Agreement Type

094

Agreement Number

9401100001

Participants

IXL INDUSTRIES LTD.(100.00000000%)

Current Expiry Date

2016-10-17

Target Substance

SHALE

Zone Description

METALLIC AND INDUSTRIAL MINERALS

The second one, view detailed report, provides all public data in a report format.



The screenshot shows a card for 'Metallic and Industrial Minerals Permit: 093' with the number '9314070364'. Below the number is a link 'View Detailed Report'. A purple callout box with the text 'click to view report' points to this link.

MINERAL AGREEMENT DETAIL REPORT

Report Date: May-10-16 12:19:14 PM

Agreement Number: 093 9314070364

Status: ACTIVE
Agreement Area: 8192.0000Term Date: 2014/07/08
Continuation Date:Expiry Date: 2028/07/08

DESIGNATED REPRESENTATIVEClient Id: 8082389
Client Name: HEADWATER MINERAL EXPLORATION & DEVELOPMENT LTD.
Address: 14 RUTTAN CLOSE
RED DEER, AB
CANADA T4P 3T1

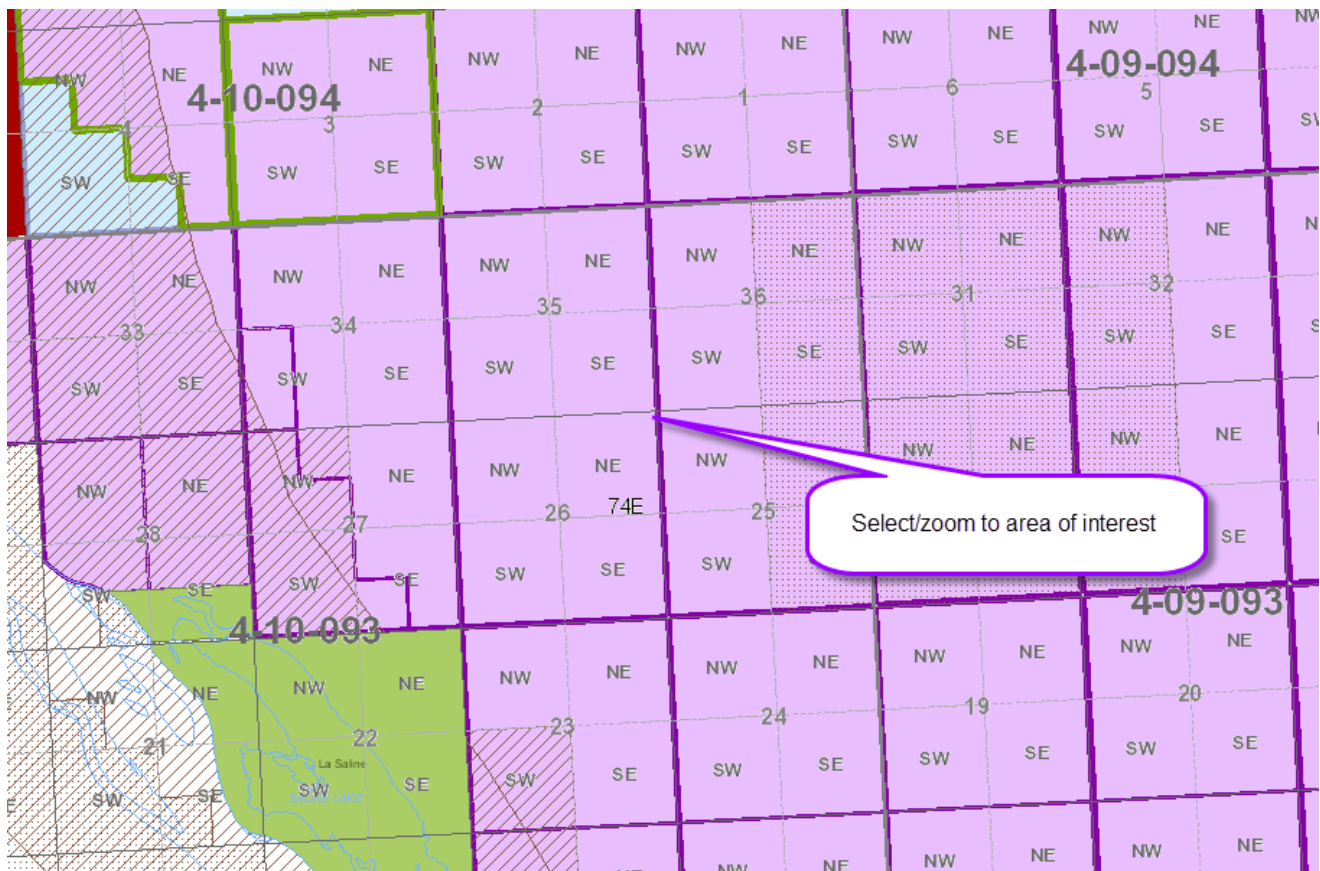
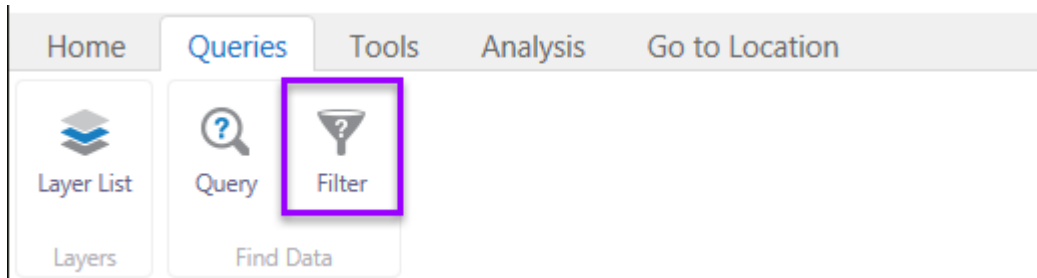
LAND / ZONE DESCRIPTION

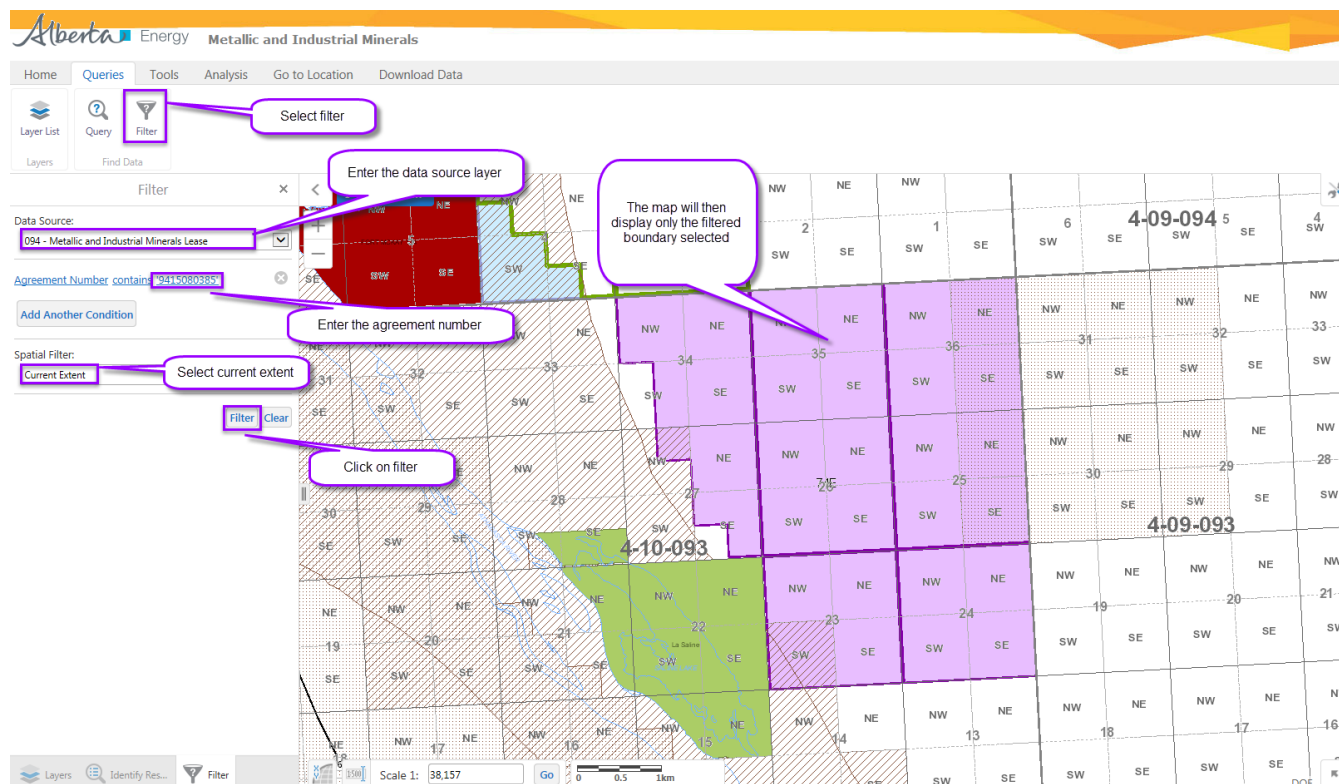
Tract: 00

5-18-068: 1-15; 18; 19; 22-36

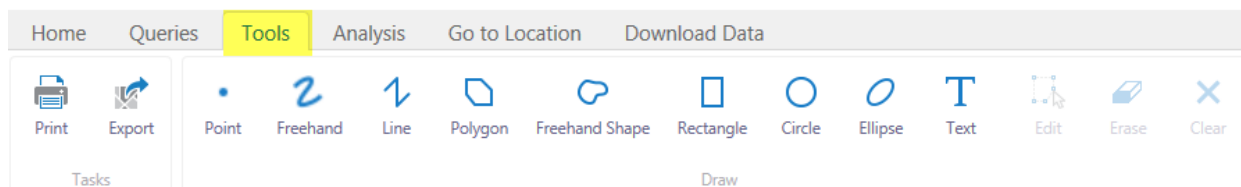
METALLIC AND INDUSTRIAL MINERALS

How to use – Filter

















TOOLBAR TAB – TOOLS



Use these	To:
Print	Open the Create a Printable Map dialog box where you can select the Layout, OutputFormat, Resolution, and Scale to print the map.
Export	Open the Export a Map Image dialog box and select the image format that you want to export the map into. You can export to BMP, JPEG, PNG, TIFF, GeoTiff and PDF Image formats.
Point	Draw a point on the map. The shape, size, colour and transparency of the point can be set using tools that appear on the toolbar when you select one of the drawing tools.
Freehand	Draw freely on the map in any direction. The style, thickness, colour, and transparency of the line can be set.

 Line	<p>Draw a straight line or click to change the line and draw in a new direction. The style, thickness, colour, and transparency of the line can be set.</p>
 Polygon	<p>Draw a polygon on the map, clicking to change direction. Double-click to stop drawing. You can set the thickness, colour, and transparency of the border and the colour and transparency of the fill.</p>
 Freehand Shape	<p>Drawing freely on the map for irregular shapes for such as portions of land. The style, thickness, colour, and transparency of the line can be set.</p>
 Rectangle	<p>Draw a rectangle on the map. Click and drag across the map. You can set the thickness, colour, and transparency of the border and the colour and transparency of the fill.</p>
 Circle	<p>Draw a circle on the map. Drag into the center or outwards to change the size of the circle. You can set the thickness, colour, and transparency of the border and the colour and transparency of the fill.</p>
 Ellipse	<p>Draw an ellipse on the map. Drag in different directions to change the shape and size of the ellipse. You can set the thickness, colour, and transparency of the border and the colour and transparency of the fill.</p>
 Text	<p>Add text to the map. When text is selected the snapping and style buttons will display. Click on the map and type the text. You can change the font, size, colour, transparency and angle of the text. You can add multiple lines of text and select layer and field information to add to the label.</p>
 Enable Snapping	<p>Snapping tools are enabled when text button is selected. The user may enable or disable snapping by clicking the Enable Snapping button.</p>
 Select Snapping Layers	<p>The user may choose which layers are affected by snapping by clicking the Select Snapping Layers button.</p> <p>When enabled, snapping allows the user to precisely draw shapes on the map by snapping to the nearest point, vertex or edge of an existing shape within a configurable radius around the mouse pointer</p>
 Styles	<p>You can change the font, size, transparency. You can add multiple lines of text and select layer and field information to add to the label.</p>
 Edit	<p>Edit the points of a drawing on the map. When you click on the drawing you want to edit, the points activate and you can then drag any of the points in any direction to change the shape of your drawing. You can also rotate the drawing by clicking and dragging the square above the marquee in the middle of the graphic.</p>
 Erase	<p>Remove drawings from the map one at a time by clicking on each one.</p>



Clear

Clear all the drawings on the map at the same time.

How to create a printable map – map in formatted style

You can change the title and add notes on the map. All the changes to the map can be printed to PDF. The visible area of the map is the area which will appear in the created PDF map.

The screenshot shows the GeoView software interface with the 'Tools' menu open. The 'Print' option is highlighted. A 'Print Map' dialog box is open, showing various settings for printing the map. The map in the background is a grid-based map with a pink shaded area indicating the print area.

Print Map Dialog Box Settings:

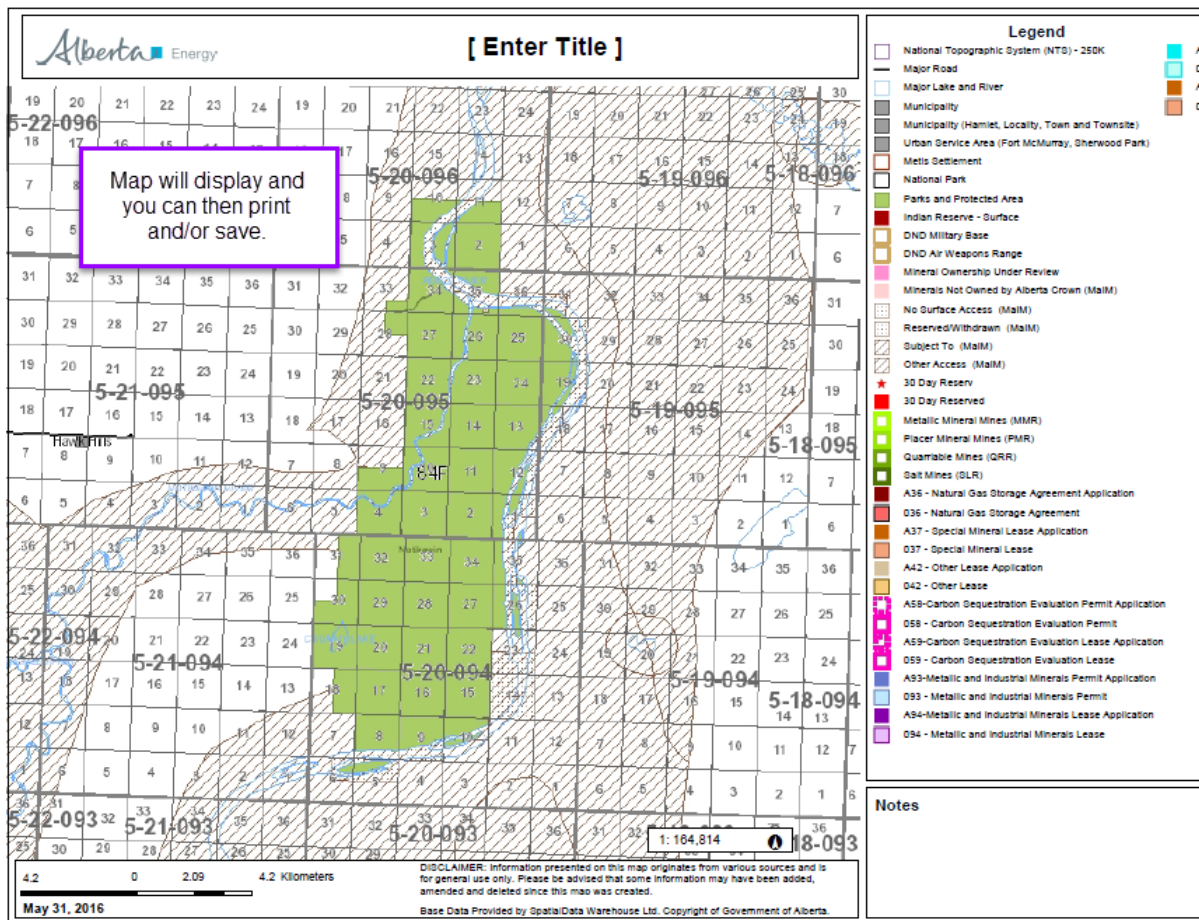
- Select Layout: 8.5X11 Landscape Legend with One Column
- Output Format: Pdf
- Resolution: 96 dpi
- Map Scale: Current Scale - 1: 164814
- Title: [Enter Title]
- Notes: [Enter Notes]
- Lock print preview with map: ☒

Map Interface Annotations:

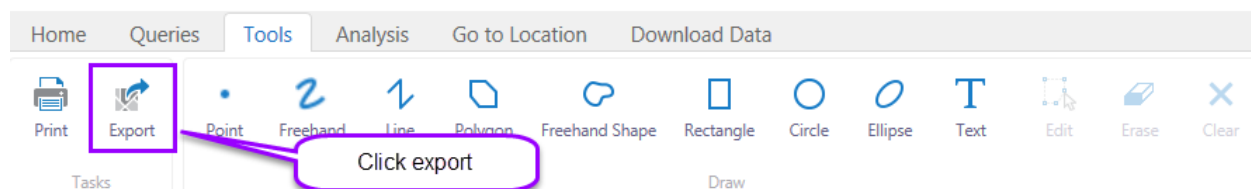
- Click Print:** Points to the 'Print' button in the toolbar.
- Enter your print preferences and any title or notes:** Points to the 'Print Map' dialog box.
- Print area will be shaded in pink:** Points to the pink shaded area on the map.
- If satisfied with area click print:** Points to the 'Print' button in the dialog box.
- If map needs to be moved or adjusted un-check and you will be able to move the print area of your map:** Points to the 'Lock print preview with map' checkbox.

Your map will run in the background and notify you in the information panel that it is ready for viewing, then open file for viewing and select print option (file on the toolbar).

The screenshot shows the 'Print Map' window. The window title is 'Print Map'. The main text says 'Your file is ready. To view the file, please click 'Open File'.' Below this text is a button labeled 'Open File'. The window also has a close button (X) and a back button (left arrow).



How to export a map – map in non-formatted style



Export a map image pop up will display.

Export a Map Image

Select Image Format

PNG

☐ Include Georeference Data

Create Image

Export a Map Image

BMP
JPEG
PNG
TIFF
GeoTIFF
PDF

Select image format

Create Image

Export a Map Image

Select Image Format

PDF

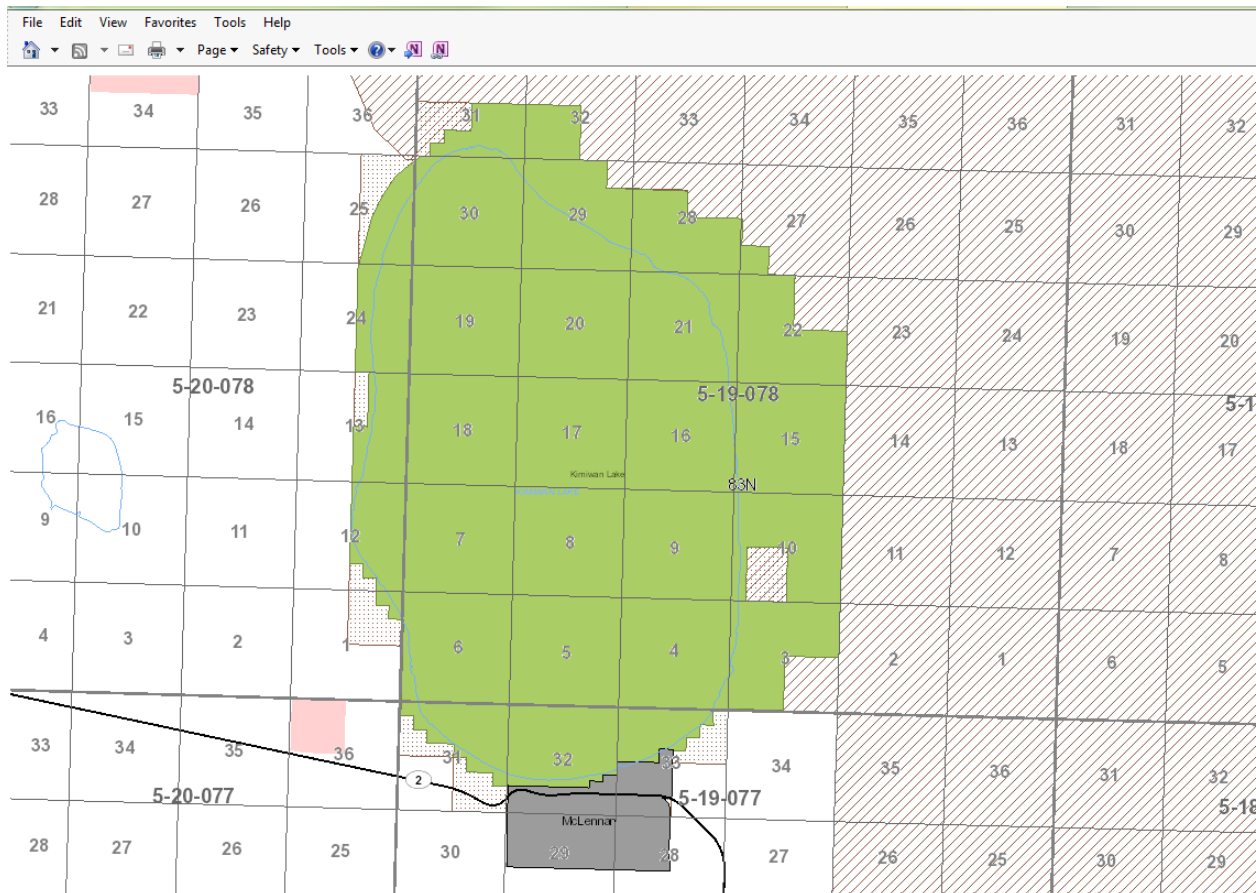
☐ Include Georeference Data

Create Image

Export a Map Image

To download and display the map image, click View Image.

View Image

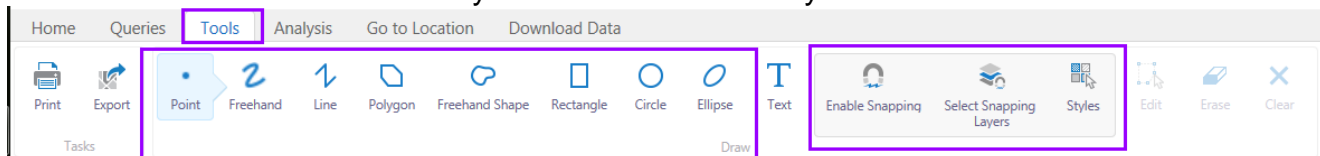


You can then print or save image.

How to use draw tools – drawing and Text

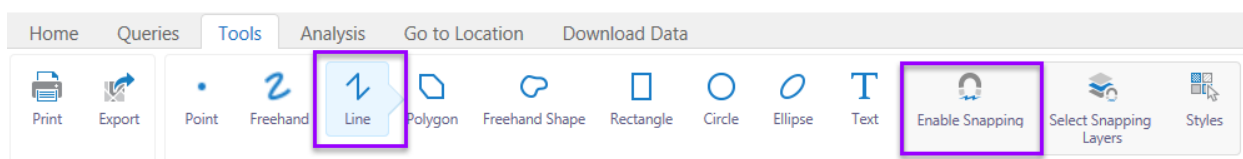
Different shapes and text can be added to the map but these are temporary. Leaving or refreshing the session will clear. These tools are used on the map for the purpose of printing.

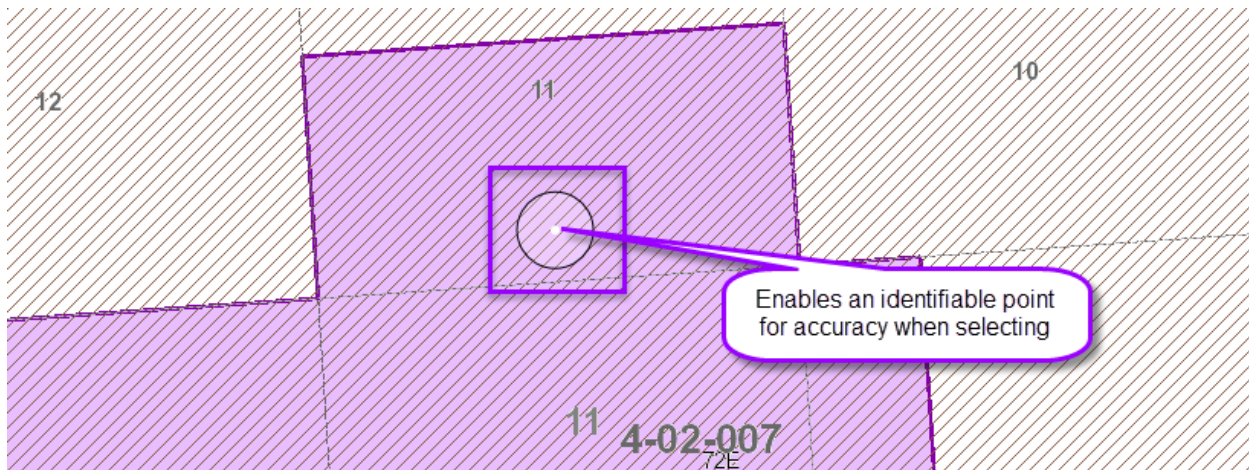
Based on the draw tool selected you can also select a style.



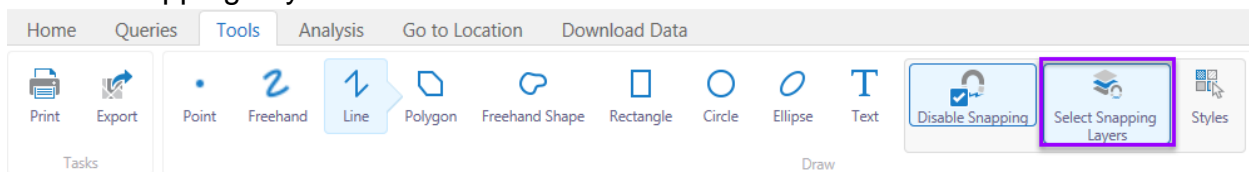
Enable Snapping

Snapping is useful when you are drawing a polygon and want it to follow the lines in another graphic, displays a point indicator.

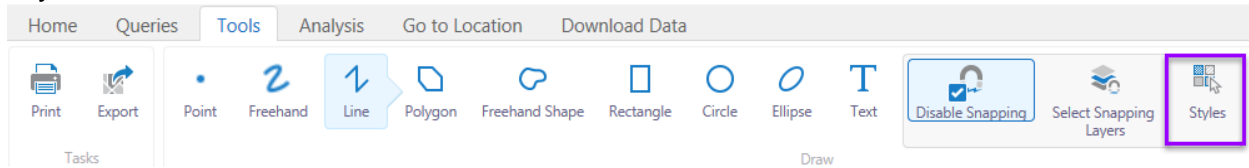




Select Snapping Layers



Styles



User must select the type of drawing tool for the style options to display.

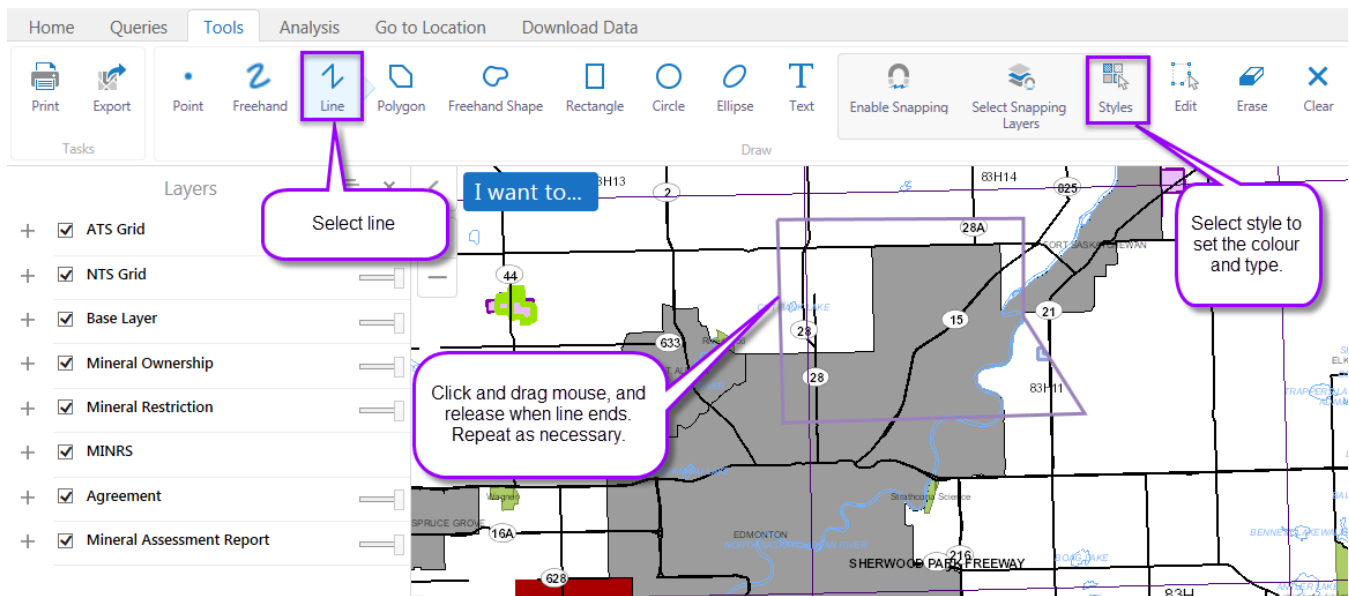
Example if draw tool selected is freehand the style options are.



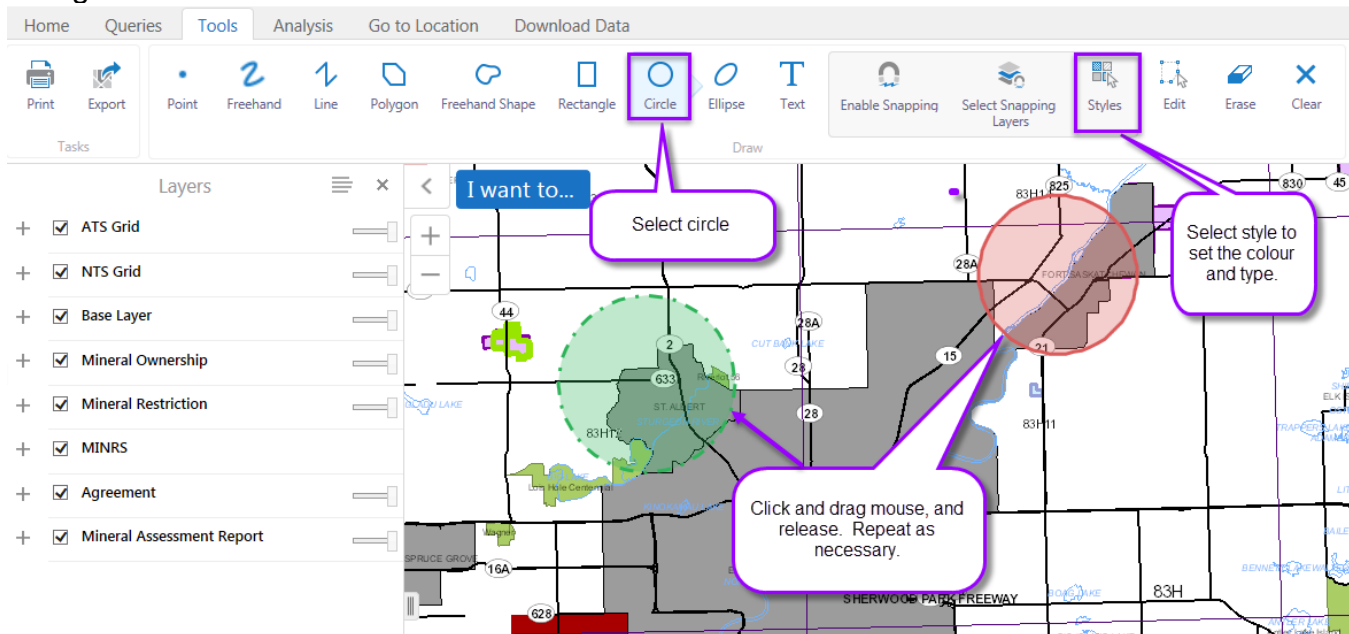
Example if draw tool selected is rectangle the style options are.



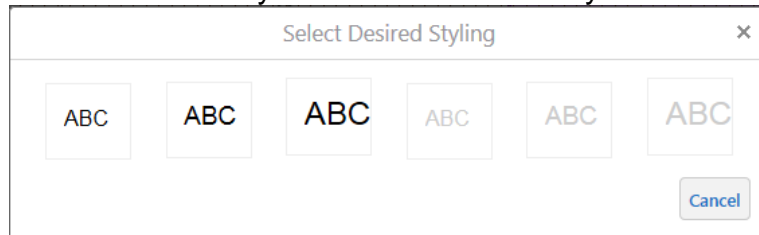
Using the line



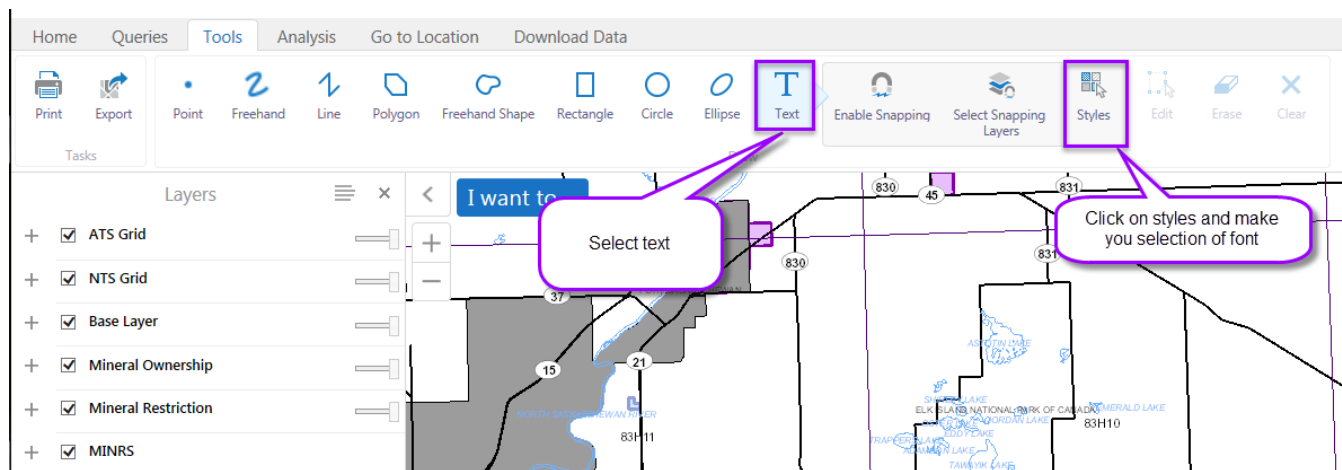
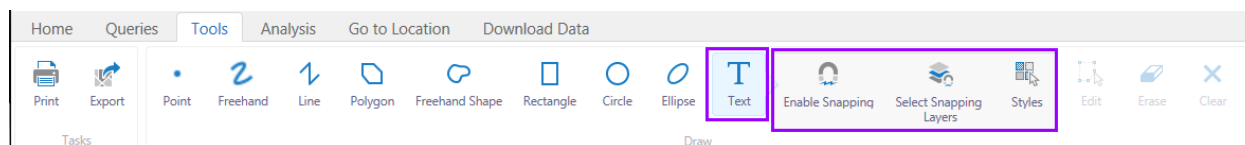
Using the circle

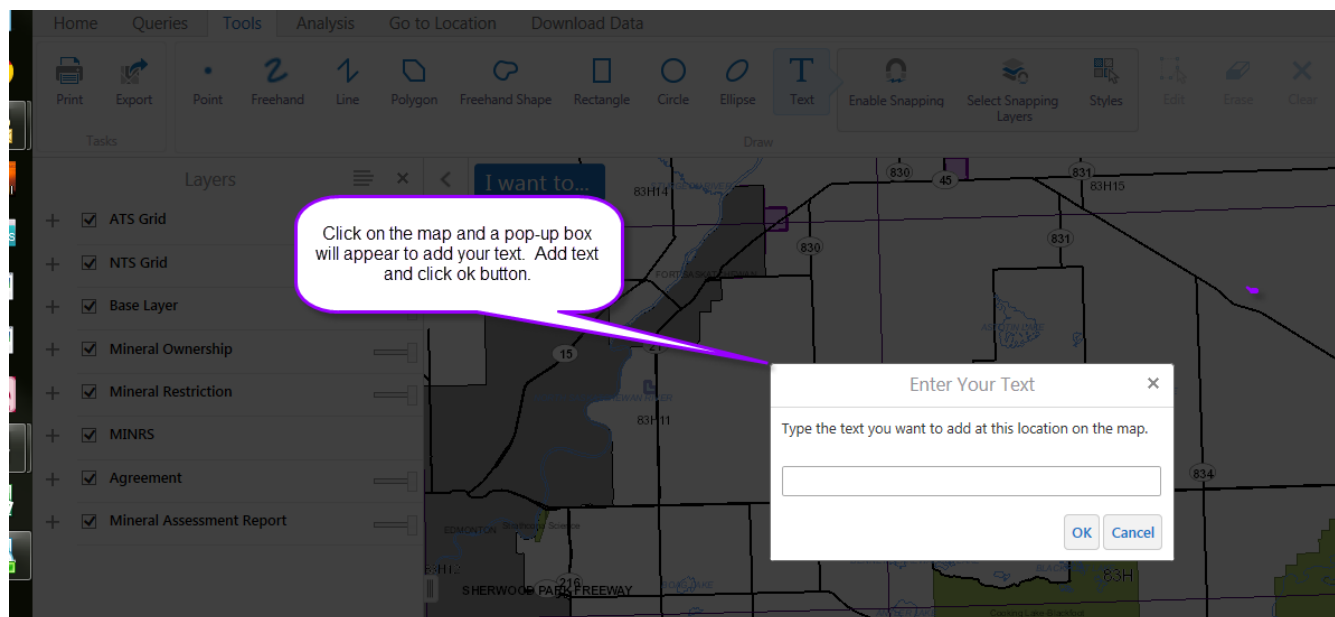


If text is selected you can select a font style.

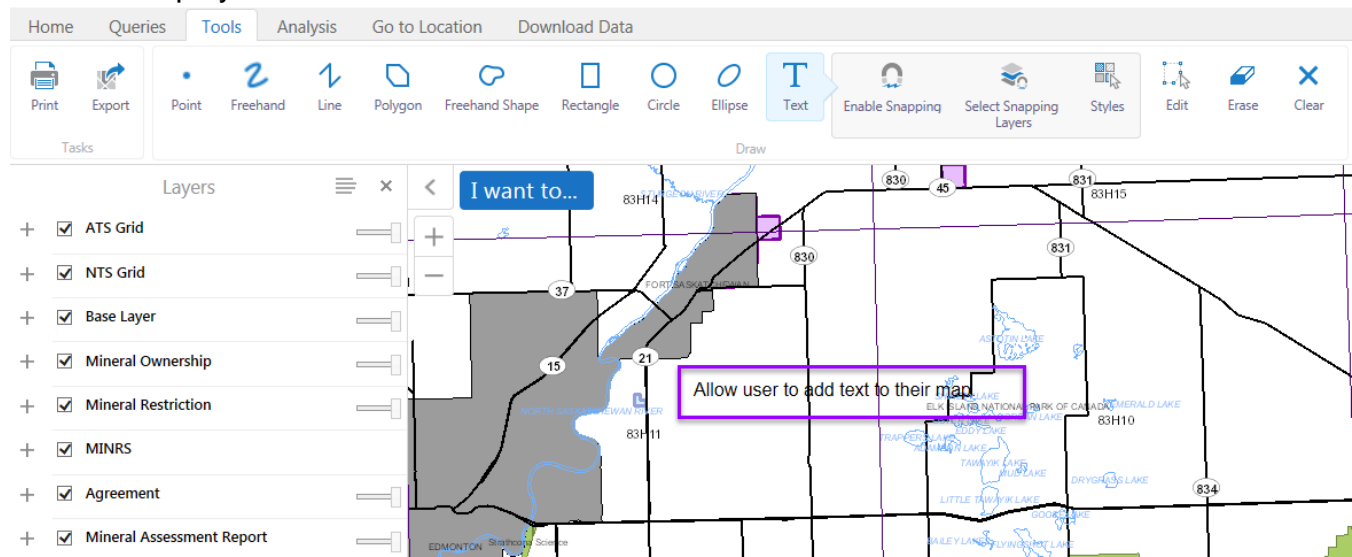


Note: There is no option currently that will allow the user to select font style size or colour.

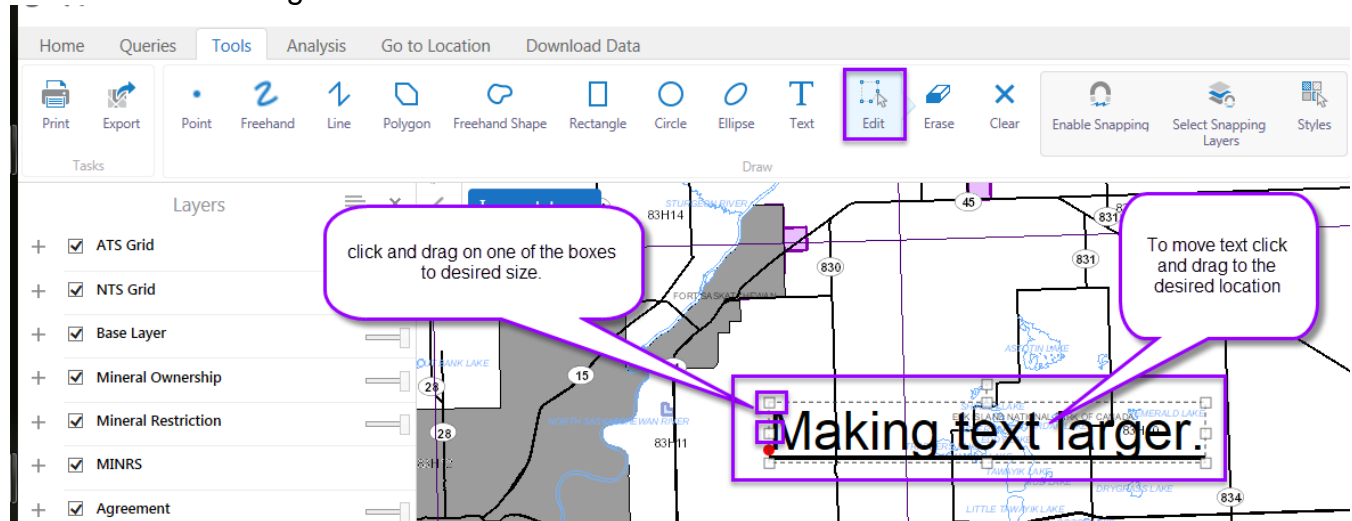




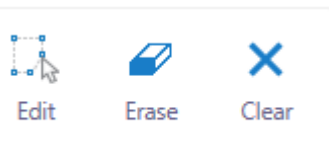
Text will display.



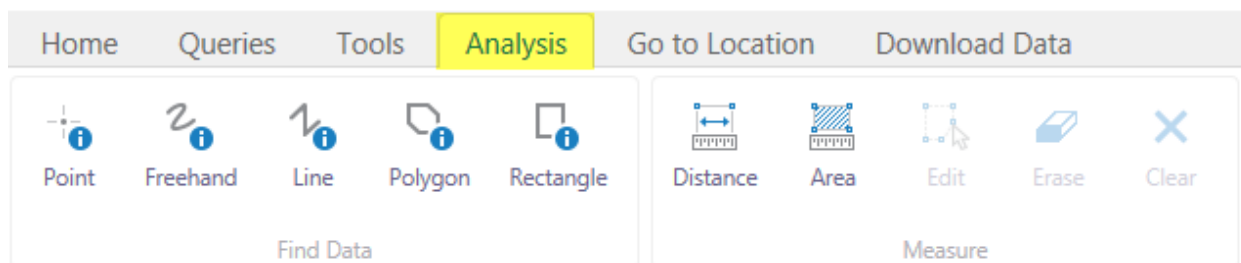
User can also enlarge the text or move.






To edit/remove any drawing or text data put on the map you can use the edit, erase or clear functions.



TOOLBAR TAB – ANALYSIS

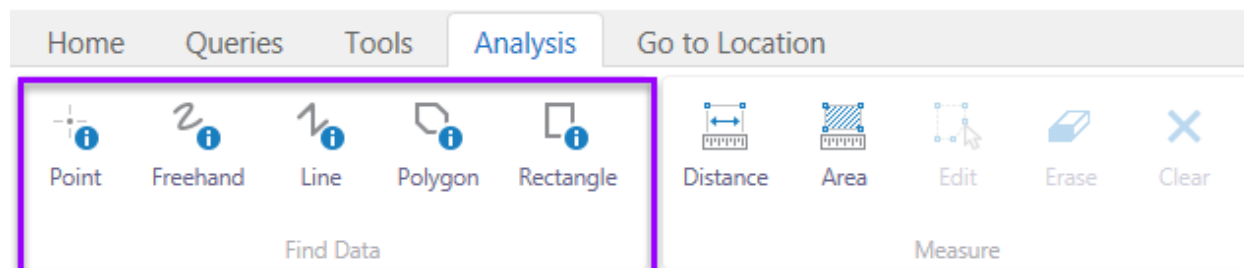


Use these	To:
Point	Identify data at a particular point anywhere on the map. All the features beneath the point you click are listed in the Results List.
Freehand	Identify features by drawing a line in any direction on the map. All the features that intersect with the line you draw are listed in the Results List.
Line	Identify features by dragging a line in any direction on the map. All the features that intersect with the line you draw are listed in the Results List.
Freehand	Identify features by drawing a segmented shape over an area on the map. All the features beneath the shape you draw are listed in the Results List.
Rectangle	Identify features by drawing a rectangle over an area on the map. All the features beneath the shape you draw are listed in the Results List.
Distance	Measure distances on the map by drawing a segmented line.
Area	Measure an area of the map by drawing a shape.
<div>Meters (m) ✓</div> <div>Meter² (m²) ✓</div>	<p>When distance/area is selected the units and snapping buttons will display.</p> <p>Change the unit of measurement on a drawing to other options like Kilometers, Hectares, Acres, etc.</p>
Enable Snapping	The user may enable or disable snapping by clicking the Enable Snapping button.
Select Snapping Layers	<p>The user may choose which layers are affected by snapping by clicking the Select Snapping Layers button.</p> <p>When enabled, snapping allows the user to precisely draw shapes on the map by snapping to the nearest point, vertex or edge of an existing shape within a configurable radius around the mouse pointer.</p>

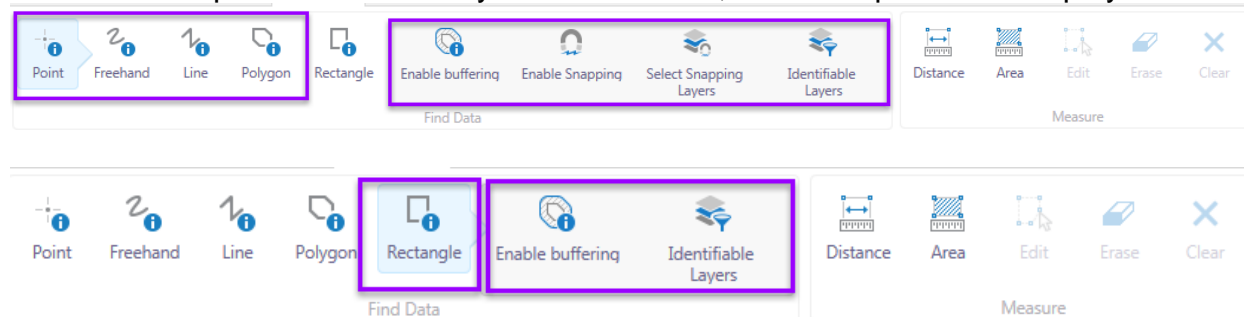
 Edit	Add the distance or area measurement to the map as a drawing.
 Erase	Erase a drawing by clicking it.
 Clear	Clear all the drawings on the current map.

Note: In order to enable the Drawing tools, a drawing must first be created.

How to use identify tools – Drawing



Note: When specific draw/identify button selected, addition options will display.



Using the point

The screenshot shows the GeoView software interface. The 'Analysis' tab is active, and the 'Point' tool is selected in the toolbar. A callout bubble points to the 'Point' tool with the text 'Select point'. The 'Identify Results (4)' panel is open, displaying the following information:

- Township: 4-24-053
- Section: 4-24-053: 09
- Municipality: EDMONTON
- Plains Northern Foothills Boundary: PLAINS

A callout bubble points to the 'Identify Results' panel with the text 'Information Panel displays results'. The map shows a grid of sections with various labels and a red rectangle highlighting a specific area. A callout bubble points to the red rectangle with the text 'Click on section 9'.

Using the rectangle

The screenshot shows the GeoView software interface. The 'Analysis' tab is active, and the 'Rectangle' tool is selected in the toolbar. A callout bubble points to the 'Rectangle' tool with the text 'Select rectangle'. The 'Layers' panel is open, showing a list of layers with checkboxes:

- ☒ ATS Grid
- ☒ NTS Grid
- ☒ Base Layer
- ☒ Doe Boundary
- ☒ Mineral Ownership
- ☒ Sale Results
 - ☒ No Sale Result - Oil Sands
 - ☒ No Sale Result - Petroleum and Natural Gas
- ☒ Agreement

A red rectangle is drawn on the map. A callout bubble points to the red rectangle with the text 'Select area - click and drag'.

Find Data

Measure

Identify Results (47)

- Section: 4-23-053: 17
- Section: 4-23-053: 20
- Section: 4-23-053: 29
- Section: 4-23-053: 32
- Section: 4-24-053: 22
- Section: 4-24-053: 24
- Section: 4-24-053: 27
- Section: 4-24-053: 34
- Section: 4-23-053: 18
- Section: 4-23-053: 19
- Township: 4-24-053

I want to...

Results related to the selected area will display in the information panel

Home Queries Tools Analysis Go to Location Download Data

Point Freehand Line Polygon Rectangle Enable buffering Identifiable Layers Distance Area Edit Erase Clear

Find Data

Measure

Identify Results (6)

- Section: 4-24-053: 31
- Township: 4-24-053
- National Topographic System (NTS): 83H12

I want to...

To clear your area close the results on the information panel

Using the enable buffering and identifiable layers

Home Queries Tools Analysis Go to Location Download Data

Point Freehand Line Polygon Rectangle Enable buffering Enable Snapping Select Snapping Layers Identifiable Layers Distance Area Edit Erase Clear

Find Data

Measure

How to use – Distance and Area

Home Queries Tools Analysis Go to Location Download Data

Point Freehand Line Polygon Rectangle Distance Area Edit Erase Clear

Find Data

Measure

Meters (m)

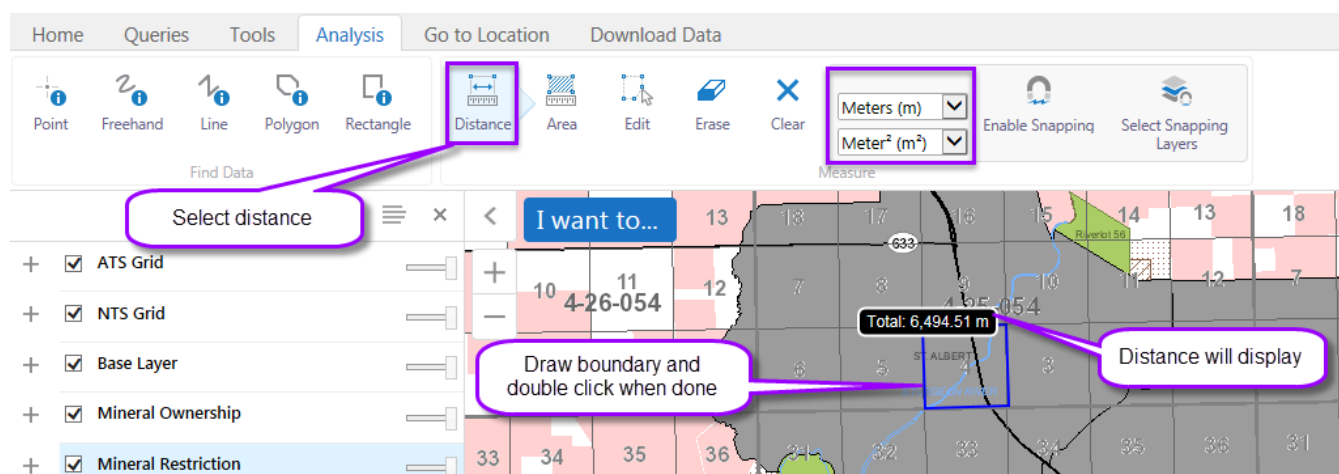
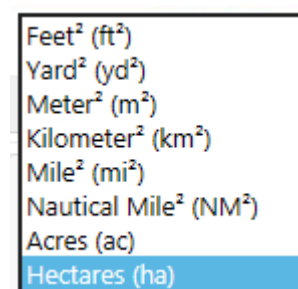
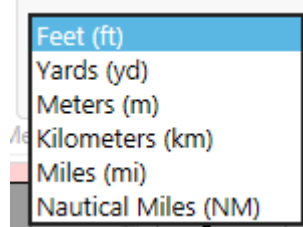
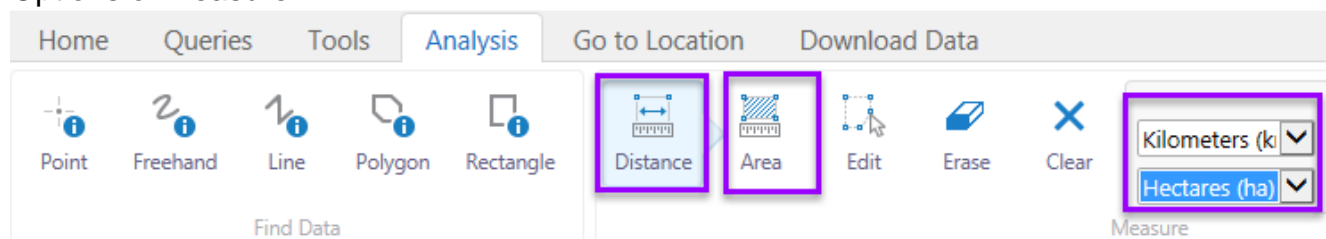
Meter² (m²)

Disable Snapping

Select Snapping Layers

Change the unit of measurement on a drawing to other options like Kilometers, Hectares, Acres, etc.

Options of measure

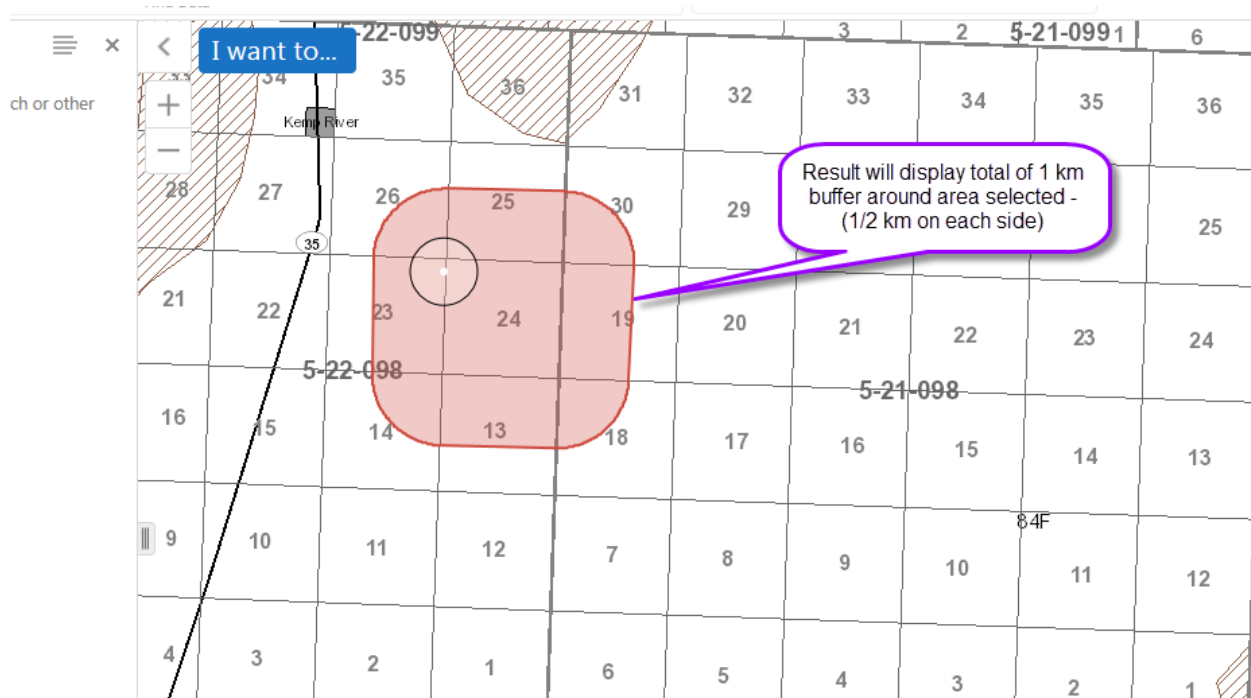
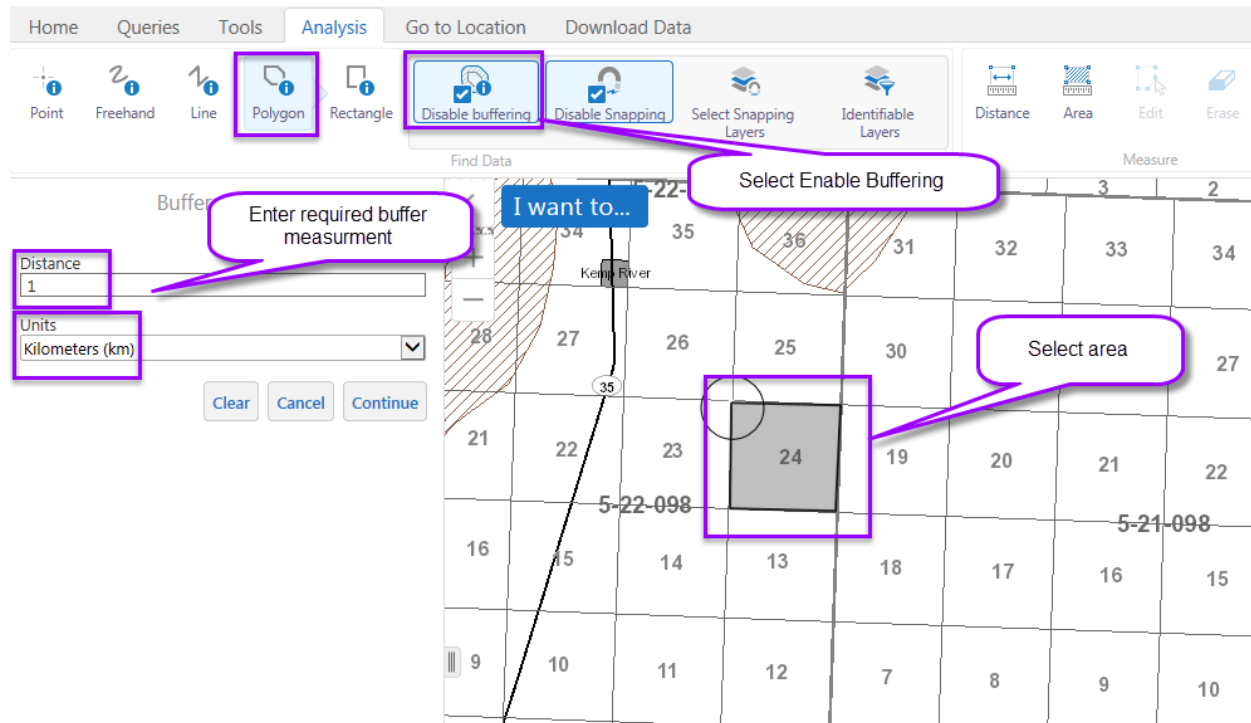


The screenshot shows the GeoView software interface. The top menu bar includes Home, Queries, Tools, Analysis, and Go to Location. The Analysis menu is open, showing options: Point, Freehand, Line, Polygon, Rectangle, Distance, Area, Edit, Erase, and Clear. The Area tool is highlighted with a red box. To the right of the Area tool, there are two dropdown menus: 'Miles (mi)' and 'Hectares (ha)', both also highlighted with red boxes. Below the menu bar, there is a 'Find Data' section with a search bar. The main map area displays a grid of land parcels. A specific parcel is selected, and a red box highlights it. A callout box points to the 'Area' tool with the text 'I want to... Select area'. Another callout box points to the selected parcel with the text 'Draw area and double click when done'. A third callout box points to a data popup for the selected area, which displays 'Area: 67.32 ha' and 'Perimeter: 2.04 mi'. The popup also shows '0.52 mi' and '0.50 mi' for different dimensions. The left sidebar shows a list of layers: ATS Grid, Base Layer, Doe Boundary, Mineral Ownership, Sale Results, No Sale Result - Oil Sands, No Sale Result - Petroleum and Natural Gas, and Agreement. The map also shows a river and some text labels like '4-23-054' and 'PLAINS'.

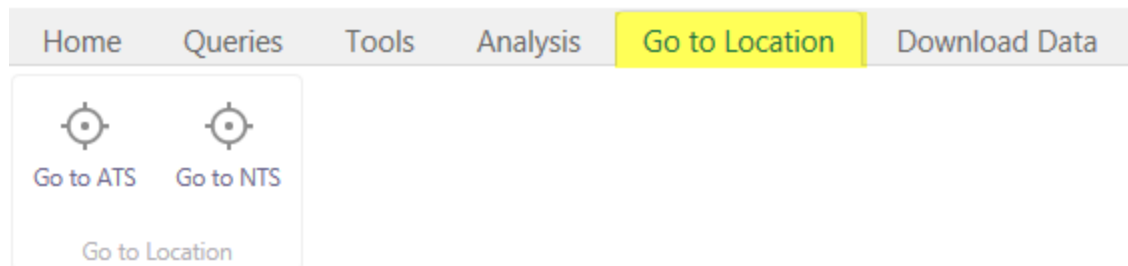
To edit/remove any drawing or text data put on the map you can use the edit, erase or clear functions.



How to use – Buffering



TOOLBAR TAB – GO TO LOCATION

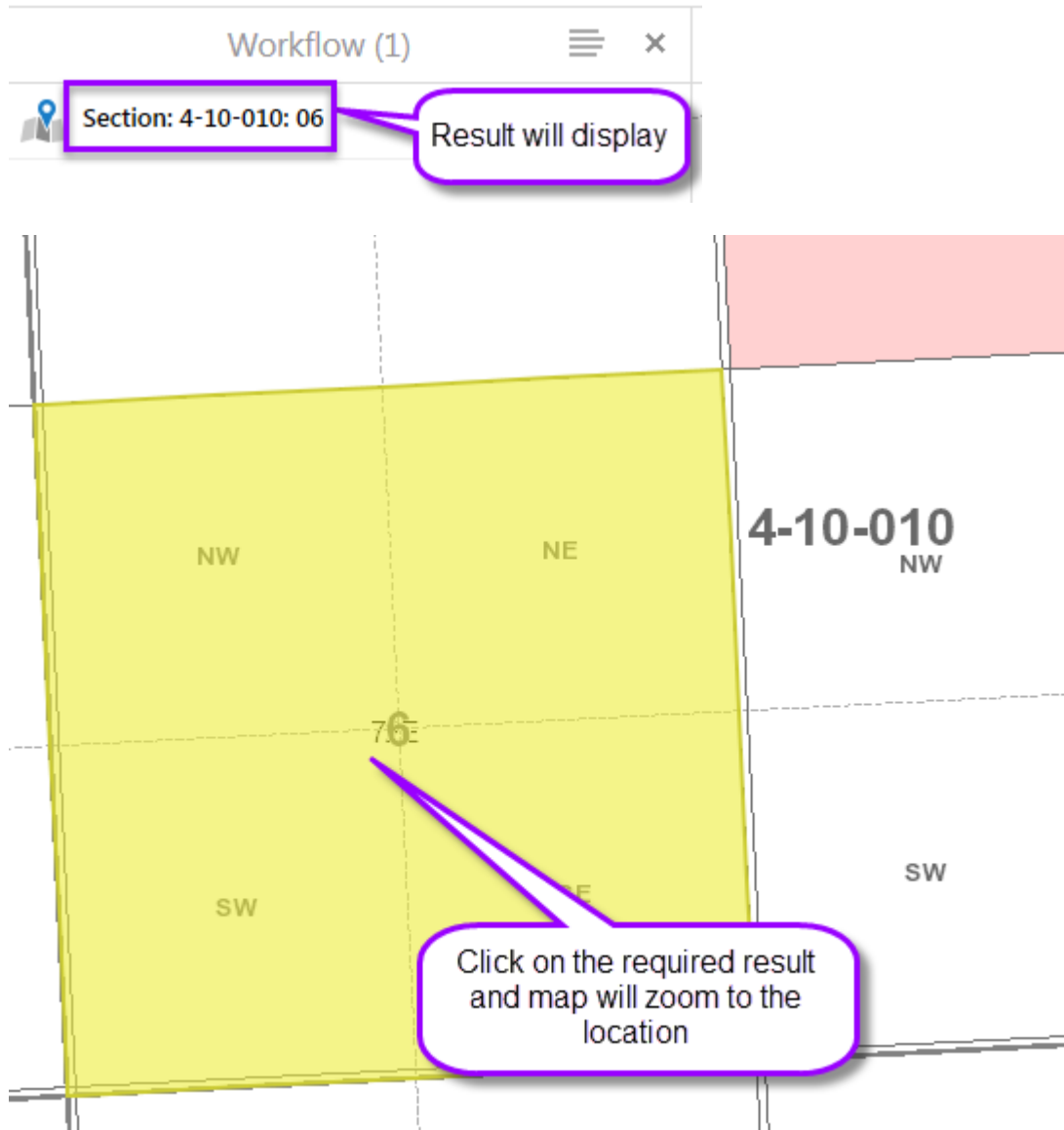


Use these	To:
Go to ATS	The Go to ATS (Alberta Township Survey) makes it possible to search by a specific land location (M/R/T: Sec, Qtr Sec)
Go to NTS	The Go to NTS (National Topographic System) makes it possible to search by a map sheet (e.g. 84F10)

How to use Go to Location – Go to ATS

User can do an Alberta Township Survey (ATS) search based on m/twp/rge, m/twp/rge/sec or m/twp/rge/sec/qtr sec only.

The screenshot shows the 'Go to Location' tab selected in the navigation bar. Below it, the 'Go to ATS' button is highlighted with a red box and a callout 'Click on Go to ATS'. The 'Go to Location' button is also highlighted with a red box and a callout 'Select Go to Location'. The 'ATS Specification' form is displayed, with fields for Mer: * (4), Rge: * (10), Twp: * (010), Sec: (6), and QS: (Select ...). A callout 'Enter the land location' points to the Rge: * field. At the bottom, the 'Search' button is highlighted with a red box and a callout 'Click search'. The 'Clear' button is also visible.

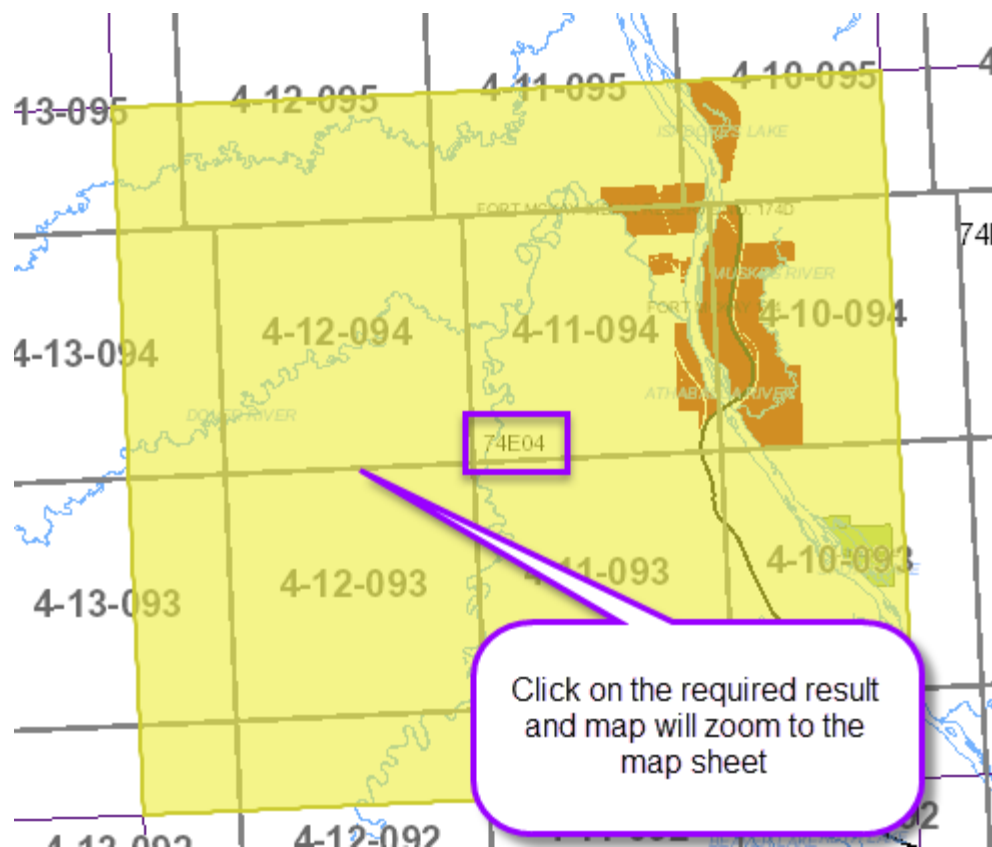


Clear does not just clear the fields returns user to the layers info????

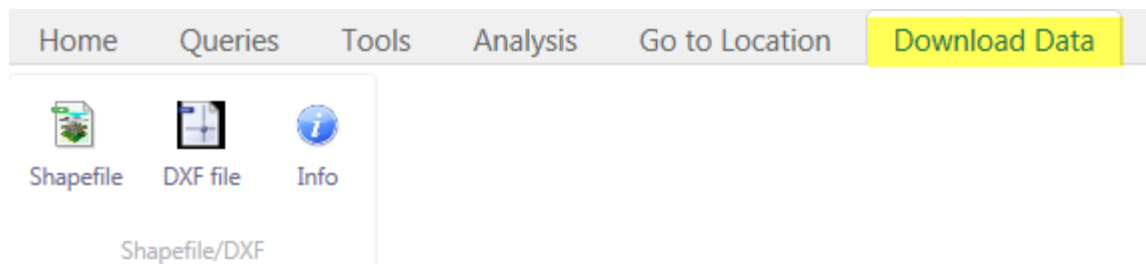
How to use Go to Location – Go to NTS

User can do a National Topographic System (NTS) search based on the NTS system used by Natural Resources Canada for providing general purpose topographic maps of the country.



The screenshot shows the 'Go to Location' tab selected in the top navigation bar. Below the navigation bar, there are three icons: 'Go to ATS', 'Go to NTS' (highlighted with a red box), and 'Go to Location'. Below these icons, a search bar is titled 'Go To NTS' with a close button (X). The search bar contains the text 'Enter the NTS map sheet'. Below the search bar, there are examples: '*82G08' and '*74E04'. A red box highlights the search input field, which contains '74e04'. A red callout bubble points to the input field with the text 'Enter the NTS map sheet'. Below the input field are 'Clear' and 'Search' buttons. Below the search bar, there is a section titled 'Workflow (1)'. A red box highlights the workflow item 'National Topographic System (NTS): 74E04'. A red callout bubble points to the workflow item with the text 'Result will display'. To the right of the workflow item, there is a zoom control with a '+' button, a '-' button, and the text '16-0'.



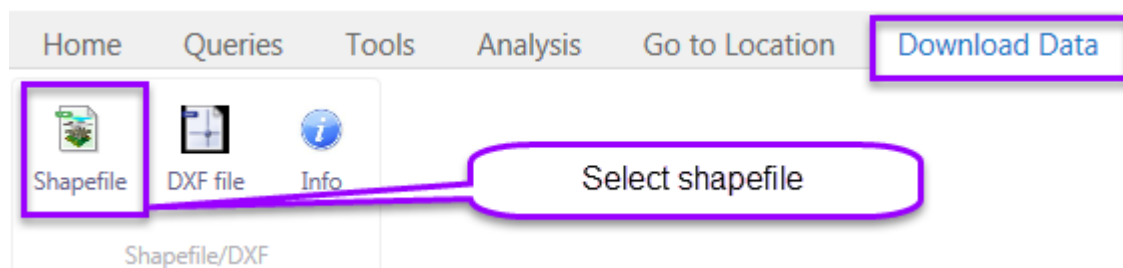
TOOLBAR TAB – DOWNLOAD DATA



Note: Download Data – currently only applies to Coal and Metallic and Industrial Minerals Maps.

Use these	To:
 Shapefile	Download the zip file containing the Coal or Metallic and Industrial Minerals Agreement data in SHAPE file format.
 DXF file	Download the zip file containing the Coal or Metallic and Industrial Minerals Agreement data in DXF file format.

How to download shape file data



Download Shapefile



The zip file containing the provincial Metallic and Industrial Minerals Agreement data is ready for download. **DISCLAIMER:** The Metallic and Industrial Minerals Agreement boundaries are shown to the full ATS Landkey, therefore they may appear to include Minerals not owned by the Alberta Crown and/or Minerals Reserved from Disposition. Please contact Crown Land Data Support at (780) 422-5727 if you require a detailed search of permit and lease data.

[\[2016-May-09 shapefile\]](#)

Click on shape file

Close

Close after
opening/saving

Internet Explorer



What do you want to do with
Met_Agreements_Shape.zip?

Size: 5.09 MB

From: oidwb48v.energy.gov.ab.ca

Click open



Open

The file won't be saved automatically.



Save



Save as








Cancel

Name

zipfolder

Will create a zip folder

File folder

Name	Type	Size
 Met_Agreements.shx	SHX File	11 KB
 Met_Agreements.shp.xml	XML Document	12 KB
 Met_Agreements.shp	SHP File	5,126 KB No 7,517 KB
 Met_Agreements.sbx	SBX File	1 KB No 1 KB
 Met_Agreements.sbn	SBN File	8 KB No 14 KB
 Met_Agreements.prj	PRJ File	1 KB No 1 KB
 Met_Agreements.dbf	DBF File	73 KB No 3,090 KB

Will display list of files

How to download DXF file data

The screenshot shows the GeoView web application interface. At the top, there is a navigation bar with buttons: Home, Queries, Tools, Analysis, Go to Location, and Download Data. The 'Download Data' button is highlighted with a red box. Below the navigation bar, there is a section for 'Shapefile/DXF' with three icons: Shapefile, DXF file, and Info. The 'DXF file' icon is highlighted with a red box, and a callout bubble points to it with the text 'Select DXF file'. Below this, a 'Download DXF File' dialog box is open. The dialog box contains a disclaimer and a link to the data file. A callout bubble points to the link with the text 'Click on shape file'. Another callout bubble points to the 'Close' button in the dialog box with the text 'Close after opening/saving'.

Home Queries Tools Analysis Go to Location **Download Data**

Shapefile **DXF file** Info

Shapefile/DXF

Select DXF file

Download DXF File

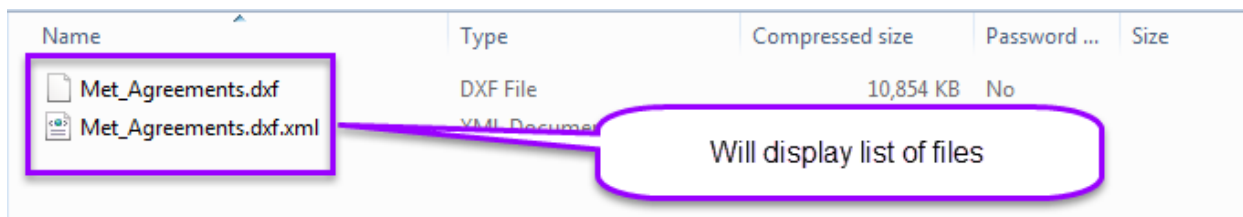
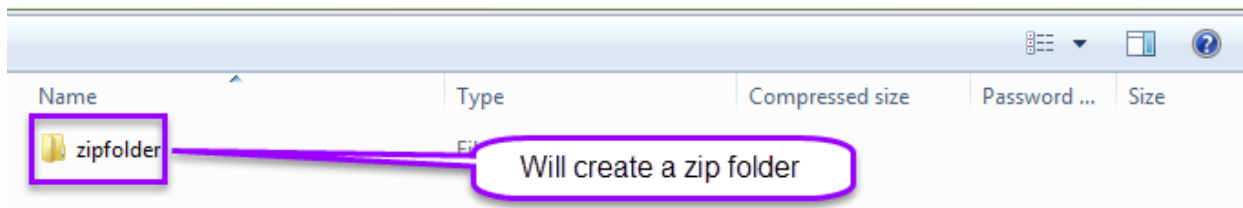
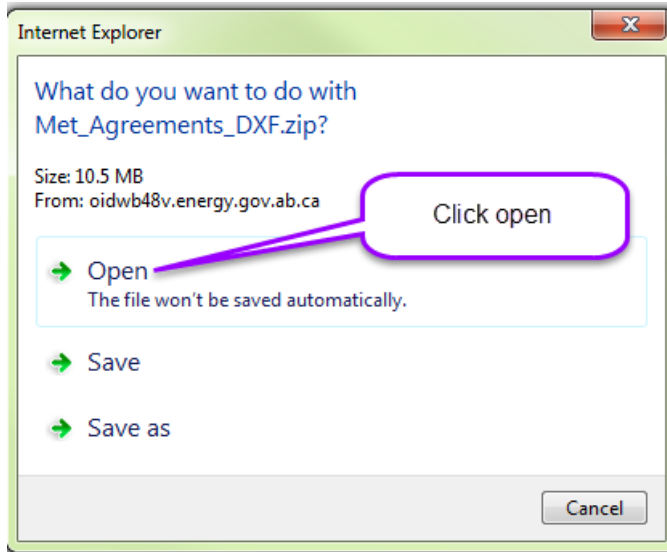
The zip file containing the provincial Metallic and Industrial Minerals Agreement data is ready for download. DISCLAIMER: The Metallic and Industrial Minerals Agreement boundaries are shown to the full ATS Landkey, therefore they may appear to include Minerals not owned by the Alberta Crown and/or Minerals Reserved from Disposition. Please contact Crown Land Data Support at (780) 422-5727 if you require a detailed search of permit and lease data.

[\[2016-May-09 dxf file\]](#)

Click on shape file

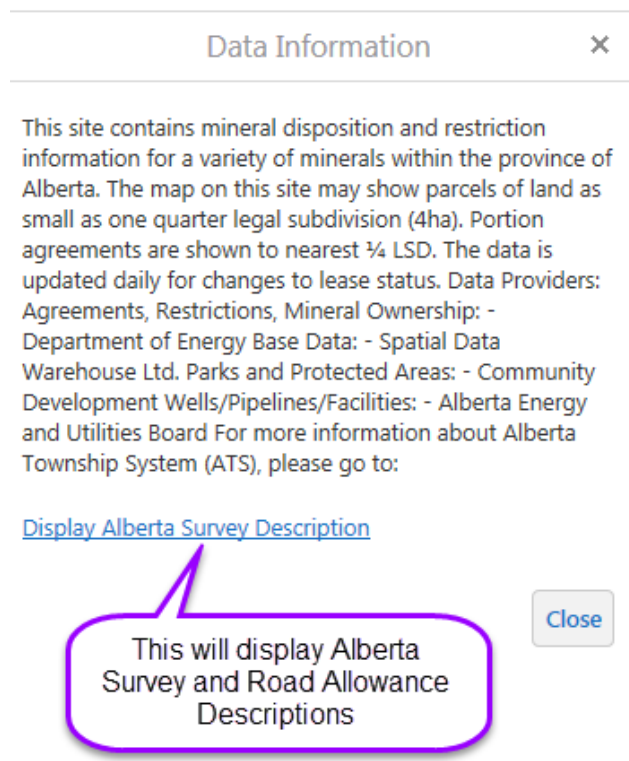
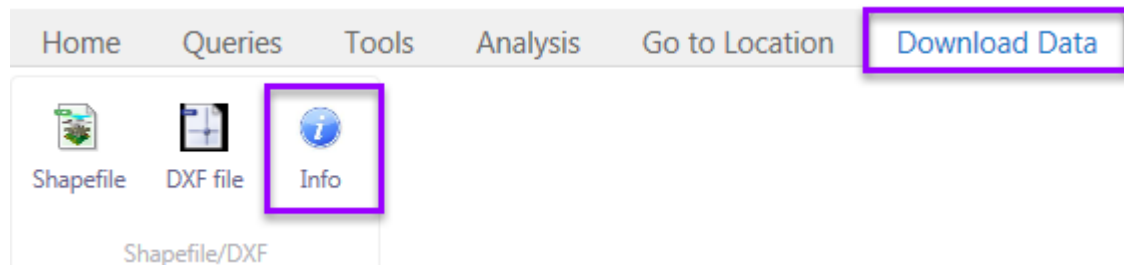
Close

Close after opening/saving

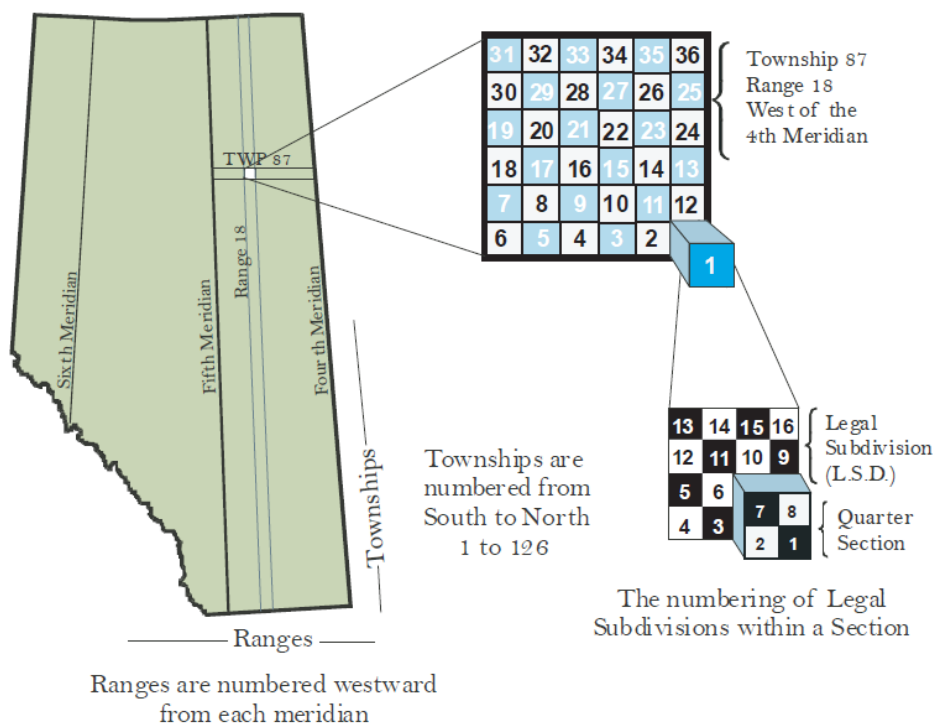


Note: The dated link is 24 hours behind live data. Upon clicking on the dated link, a zip file is provided to open or save.

How to use info



Alberta Survey



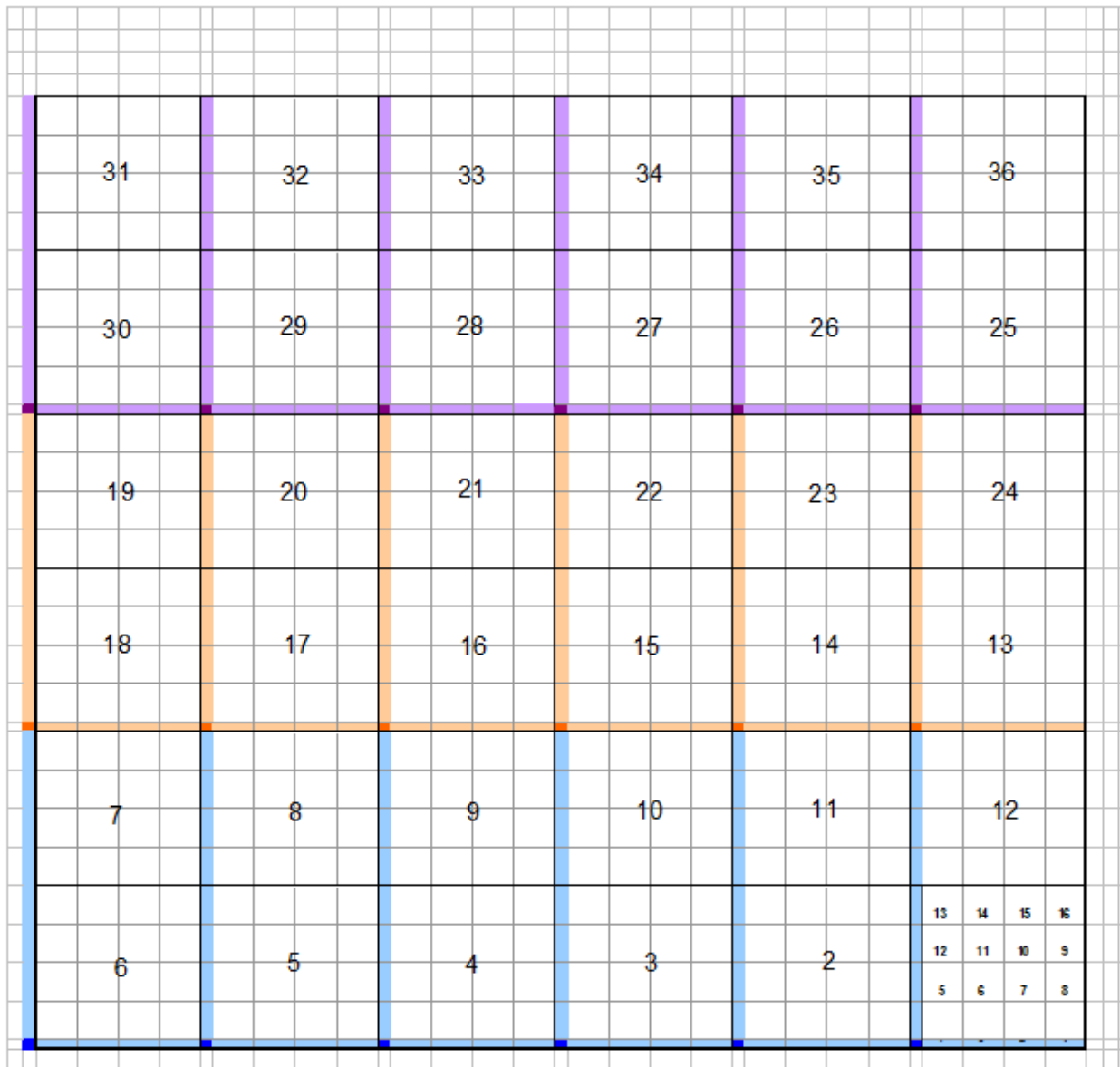
Note: Road Allowance info sample is missing.

Road Allowance Land Key Table for Metes and Bounds and Land Description Samples

- Lands must be only North (2 miles) or South (1 mile) of a section as per valid land descriptions for Road Allowance.
- This information describes the related metes and bounds based on the road allowance orientation as shown on the Township overlay.

Landkey	Road Allowance Orientation	Appendix	Description
4-27-027:11	RS	4-27-027:11RS	Road Allowance lying to the South.
4-27-027:11	RW	4-27-027:11RW	Road Allowance lying to the West.
4-27-027:11	RI	4-27-027:11RI	Road Allowance being the South West intersection.

TOWNSHIP OVERLAY FOR ROAD ALLOWANCE



Congratulations!

You have completed the GeoView System Overview online Training Course.



If you have any comments or questions on this training course, please forward them to the following e-mail address:

GIS SOLUTIONS SUPPORT: ENERGY-MOGISSupport@gov.ab.ca