

Downloading Spatial Data from DataBC

This document is a guide on how to download Mineral Titles spatial data from Data Distribution Service to your own computer.

The Data Distribution Service is a web accessible application that allows users to **order** and **download** data from a central repository known as the British Columbia Geographic Warehouse (BCGW, or “the warehouse”).

You can access the Data Distribution Service at <http://apps.gov.bc.ca/pub/dwds>

Use the DataBC website at <http://www.data.gov.bc.ca> to View and Analyze, Discover and Download data.

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PART 1 – The Data Distribution Service

Using a desktop or laptop web browser access <http://apps.gov.bc.ca/pub/dwds>

You are now at the logon screen of the Data Distribution Service.

For more information on the Data Distribution Service, click on the link "**Data Distribution Quick Reference Guide (PDF)**" listed under the Notices and Alerts section.

[Reference Guide](#)

[Data Distribution Quick Reference Guide \[PDF\]](#)

Guest Users

Mineral Titles data is available to the public. Click on **Guest Users Enter Here** to access publicly available data.

IDIR/BCeID Users

Alternatively, as a Mineral Titles client, you can use your Business BCeID to login. Click the **IDIR/BCEID Users Enter Here**. Enter in the details and click on Next to proceed. Click Next once more.

Note: If you do not have a BCeID, you can register for a BCeID account at <https://www.bceid.ca/register/>. Having a BCeID will allow you to have access to multiple online government services and will provide convenience, security, and privacy. For more information, you can visit the BCeID homepage at <https://www.bceid.ca/>. You can still access BCGW without a BCeID, but you will have limited access to the data available.

Please read the terms and conditions carefully! If you agree with the terms and conditions, click on the "Accept" button.

1.1 Data Distribution Service – Order BC Geographic Data

1.1.1 Standard Products

This is where you will locate the Mineral Title datasets. You can search for data using the **Search** box, or click on **Configurable Products** and select the desired datasets available. The configurable products link allows you to browse available products by category.

If you select **Configurable** Products you will be presented with the screen below. Mineral Titles related data are located under **Human, Cultural and Economic Activities > Mining and Petroleum**:

Some examples of popular tenure data:

MTA - Mineral, Placer and Coal Tenure Spatial View (SVW)


MTA - Mineral Titles Client Tenure XREF (Cross Reference)

MTA - Mineral Titles Person Organization MVW

To obtain more detailed information on the data you selected, click on the symbol under 'Info' to be directed to the Data Discovery Service for all metadata.

To obtain more detailed information about titles and owners, join **MTA – Mineral Titles Client Tenure XREF_table** to both the **MTA - Mineral, Placer and Coal Tenure** and the **MTA – Mineral Titles Person Organization MVW** table:

- Field *TNRNMBRD* in **Mineral Placer Coal SVW** joins to field *TENURE_NUMBER_ID* in **Client Tenure XREF**
- Field *CLIENT_NUMBER_ID* in **Person Organization MVW** joins to *CLIENT_NUMBER_ID* in **Client Tenure XREF**

Once a dataset is identified, click on the **Add** button  to select a product; the row will then be highlighted green.

Once you are done selecting your products for download, click on the **View Your Order** button to compile all selections.

Review your order, if correct, enter your email address and check mark the ‘I accept the Terms and Conditions’ option. If you would like to change the projection, format, or area of interest, use the options from the drop down menus. See section 1.1.2 for more information. If you would like to add more products to your order, click **Find/Add More Products**. If you changed your mind, click **Cancel Order**. Otherwise, click **Submit Order**. Your order is complete.

1.1.2 Area of Interest (AOI)

An Area of Interest is a user specified area for which you would like digital datasets. The current default is set to the entire Province of British Columbia. Having data for the entire province is not always necessary and can waste memory. If you want to change the AOI to a smaller area or to a particular area, you will have to choose an option from the “Area of Interest” drop down menu.

There are four ways of selecting your AOI:

i. Enter Mapsheet (e.g. 102i055 or 92F)

- Enter any 1:20,000 BCGS or 1:250,000 NTS mapsheet in the box provided to clip the data set to a smaller area. Click **Re-Calc Order**.

ii. Draw custom AOI

- By selecting **Draw custom AOI** you can manually draw a polygon over the desired study area to select a subset of the data.
- Click on the **Draw a Custom AOI** button to open the interactive map window.
- Zoom in to the area of interest; select the tool that represents the custom AOI geometry you would like (point, polygon or rectangle). Then proceed with drawing the outer boundary of your study region using a series of mouse clicks. The polygon geometry requires a double click to conclude the AOI selection. When you have successfully delineated the area in question, you will see a green check mark with the text Geometry Captured! Select the **Next** button.

The map will reload and the custom AOI will appear in red. Select **Add More Polygons** to continue selecting AOIs. If you made a mistake and wish to redraw the polygon, click **Remove Polygon** and select the polygon to delete it. If you are satisfied with the area selection, click the **Submit AOI** button.

You will now notice a message on the top of your order that your AOI has been successfully changed.



iii. Upload ShapeFile

- If you have a shapefile that delineates the AOI, it can be uploaded by selecting the **Shapefile Spatial File (Shp)** option.
- Using the browse button, you can navigate to a folder on your computer that contains the appropriate shapefile. Once you have selected the proper spatial *.shp file, adjust the **Source projection**: from the drop-down list and click the **Re-Calc Order** button.

Caution: The shapefile can only contain 1 polygon feature (this includes no multipart features), and must be smaller than 1 MB for this to work!

If the process has been successful, a checkmark symbol and message will appear informing you that your AOI has been selected.

iv. Use a Geomark

- If you have a Geomark that delineates the AOI, it can be uploaded by selecting the **Use a Geomark** option. The Geomark Web Service lets you share geographic areas of interest over the web in a variety of formats and coordinate systems. Click [here](#) for more information about this service.
- You can select your Geomark by entering your Geomark reference number in the **Enter a Geomark** box and click the **Re-Calc Order** button.

1.1.3 Output Options

The default options for configurable products are set to:

Projection: BC Albers (m)
Format: ArcView Shape
Clipping Method: Do Not Use an AOI

In order to change the defaulted values, use the desired option from the drop down menus.

Projection:

You can choose the coordinate system you want for your final product here. The default is set to BC Albers, but you can select from other coordinate systems such as UTM Zones 7 through 11 and Geographic Longitude and Latitude.

Format:

Here, you can choose different file formats for your final product. The default is set to ArcView Shape, but you can select from other formats such as ESRI Export (E00), CSV (comma-separated values), ESRI File Geodatabase, and Geo RSS. If you are unsure of which file format to save it as, it is best to select the default file format, ArcView Shape. You can open shapefiles using any GIS application, such as ArcGIS. If you do not have GIS software, you can download ESRI's ArcGIS Explorer. It is a free lightweight data viewer that has basic GIS capabilities and can open shapefiles. ArcGIS Explorer can be downloaded at: <http://www.esri.com/software/arcgis/explorer/index.html>

Next set the Clipping Method. There are 2 options.

Data Clipping Feature:

When selecting your area of interest, you will be asked to decide whether to clip the boundaries of the data using the following methods:



The first clipping method will clip all features at the boundary delineated in your AOI. This option will include features that lie completely within the boundary, and will cut any portions of features that cross outside the boundary.



The second clipping method will show all features lying inside and will also maintain the structure of those features that intersect the outer boundary of your custom AOI.

1.2 Completing the Order

1.2.1 Submitting the Order

Before submitting the order, make sure that all the products that you want are selected and appear on the main screen.

Caution: It is also important to check for the order size. Your order size can only reach a max size of 100%. Your order will not be processed unless the size is less than 100%.

If your size is greater than 100%, go back to either the 'Standard Product' or 'Specialty Product' list and remove certain products; or you may select a smaller AOI. You can remove products by clicking on the symbol. You may have to submit 2 or more separate orders in order to have all the products that you want for your AOI.

1.2.2 Receiving the Order

As this is an automated process, you are required to enter your email address.

If the size is less than 100% and you have all your products that you want selected, enter your email address and click 'I accept the Terms and Conditions'. You are now ready to submit your order. Click on the **Submit Order** button.

1.2.3 Confirmation

After clicking **Submit Order**, you should receive an Order Confirmation screen as well as an email confirming that your order has been submitted.

Another email will be sent once the order is available for download. It will also show your order details such as the products selected in Standard, Specialty, and Output Options.

For help with the Distribution Service contact:

Natural Resource Sector Service Desk

Hours of Operation: 8am – 4:30pm (PST) Monday to Friday

Phone (Within Victoria): (250) 952-6801

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

E-Mail: nrsenquiries@gov.bc.ca

For help with Mineral Titles Data contact:

Mineral Titles

Hours of Operation: 8:30am - 12:00pm and 1:00pm – 4:30pm (PST) Monday to Friday

Phone (Lower Mainland/Outside North America): 604-660-2672

Toll Free (North America): 1-866-616-4999

E-Mail: Mineral.Titles@gov.bc.ca

PART 2 – Mineral Titles Dataset Descriptions

BC Data Catalogue Title	Feature Type Name Database Reference	Downloaded from DataBC	Description
MTA - Mineral, Placer and Coal Tenure Spatial View	WHSE_MINERAL_TENURE.MTA_ACQUIRED_TENURE_SVW	Download	Mineral Titles Online - Acquired Tenure Poly Spatial View
MTA - Mineral, Placer and Coal History Tenure SP	WHSE_MINERAL_TENURE.MTA_ACQUIRED_TENURE_HISTORY_SP	Download	The historical mineral, placer and coal tenure spatial information.
MTA - Mineral Mining Divisions	WHSE_MINERAL_TENURE.MTA_MINING_DIVISION_SVW	Download	Mining Divisions
MTA - Mineral Reserve Sites Business View	WHSE_MINERAL_TENURE.MTA_SITE_SP	Download	Mineral, Placer and Coal Reserves
MTA - Mineral & Coal Land Reserve History SP	WHSE_MINERAL_TENURE.MTA_SITE_HISTORY_SP	Download	Historical Mineral, Placer and Coal Reserves
MTA - Mineral Placer Grid	WHSE_MINERAL_TENURE.MTA_MINERAL_PLACER_GRID_POLY	Download	Mineral and Placer cell grid
MTA - Coal Grid, Mapsheet	WHSE_MINERAL_TENURE.MTA_COAL_GRID_MAPSHEET_SP	Download	Coal grid. Mapsheets are the coarsest level

			of the grid.
MTA - Coal Grid, Group	WHSE_MINERAL_TENURE.MTA_COAL_GRID_GROUP_SP	Download	Coal grid. Groups are the second coarsest level of the Coal Grid.
MTA - Coal Grid, Block	WHSE_MINERAL_TENURE.MTA_COAL_GRID_BLOCK_SP	Download	Coal grid. Blocks are the second finest level of the coal grid.
MTA - Coal Grid, Unit	WHSE_MINERAL_TENURE.MTA_COAL_GRID_UNIT_SP	Download	Coal grid. Units are the finest level of the Coal Grid.
MTA – Mineral Titles Client Tenure XREF	WHSE_MINERAL_TENURE.MTA_CLIENT_TENURE_XREF	Download	Client-Tenure Cross Reference Table
MTA – Mineral Titles Person Organization MVW	WHSE_MINERAL_TENURE.MTA_PERSON_ORGANIZATION_MVW	Download	Person Organization Cross Reference Table
MTA - Crown Granted Mineral Claims	WHSE_MINERAL_TENURE.MTA_CROWN_GRANT_MIN_CLAIM_SVW	Download	Spatial representation of known crown granted mineral claims.

Source: <http://www2.gov.bc.ca/gov/content/industry/mineral-exploration-mining/mineral-titles/data-gis/dataset-descriptions>