

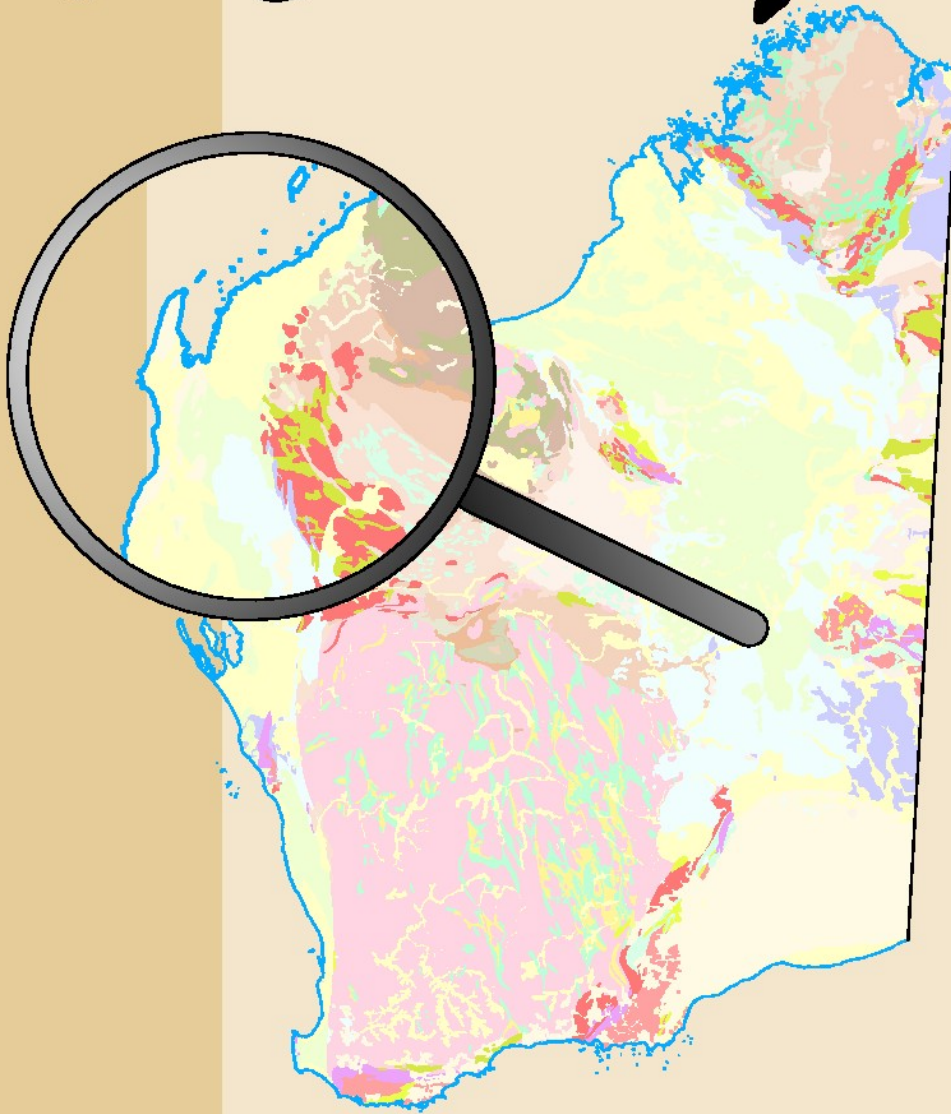


Department of
Industry and Resources

GeoVIEW.WA

The best way to Make your own Maps

User Guide



Geological Survey of Western Australia

Welcome to GeoVIEW.WA

Introduction

For more than 100 years the Geological Survey of Western Australia (GSWA) has acquired, enhanced, archived, and disseminated regional geological, geophysical, geochemical, mineral, and petroleum data as a fundamental component of its work program. **GeoVIEW.WA** provides customers with timely access to geoscientific data on-line via the web. **GeoVIEW.WA** provides the user with the ability to view, query, and create a map of a key geoscientific and related datasets via your web browser. These datasets include:

- 1:2 500 000, 1:500 000, 1:250 000, 1:100 000 scale geology;
- geochronology;
- mineral resources;
- special category lands, including aboriginal sites;
- index to open-file geophysics;
- petroleum titles and pipelines;
- an index to 2D and 3D seismic line data;
- boundaries of departmental administrative regions; and
- mining tenements.

GeoVIEW.WA is best viewed at 1024 x 768 pixel resolution, and is compatible with Internet Explorer versions 4.0+ and Netscape 6.0+.

The user guide allows new users to become familiar with the application's basic capabilities and functionality. It is divided into sections where particular topics are explained. These include screen shots to provide additional clarity.

This user guide can be found at <http://www.doir.wa.gov.au/geology/launch.html>

NOTE: This application accesses large database files and may take a few minutes to load.

For more information or to provide feedback please contact the GeoVIEW.WA project on geoview@doir.wa.gov.au.

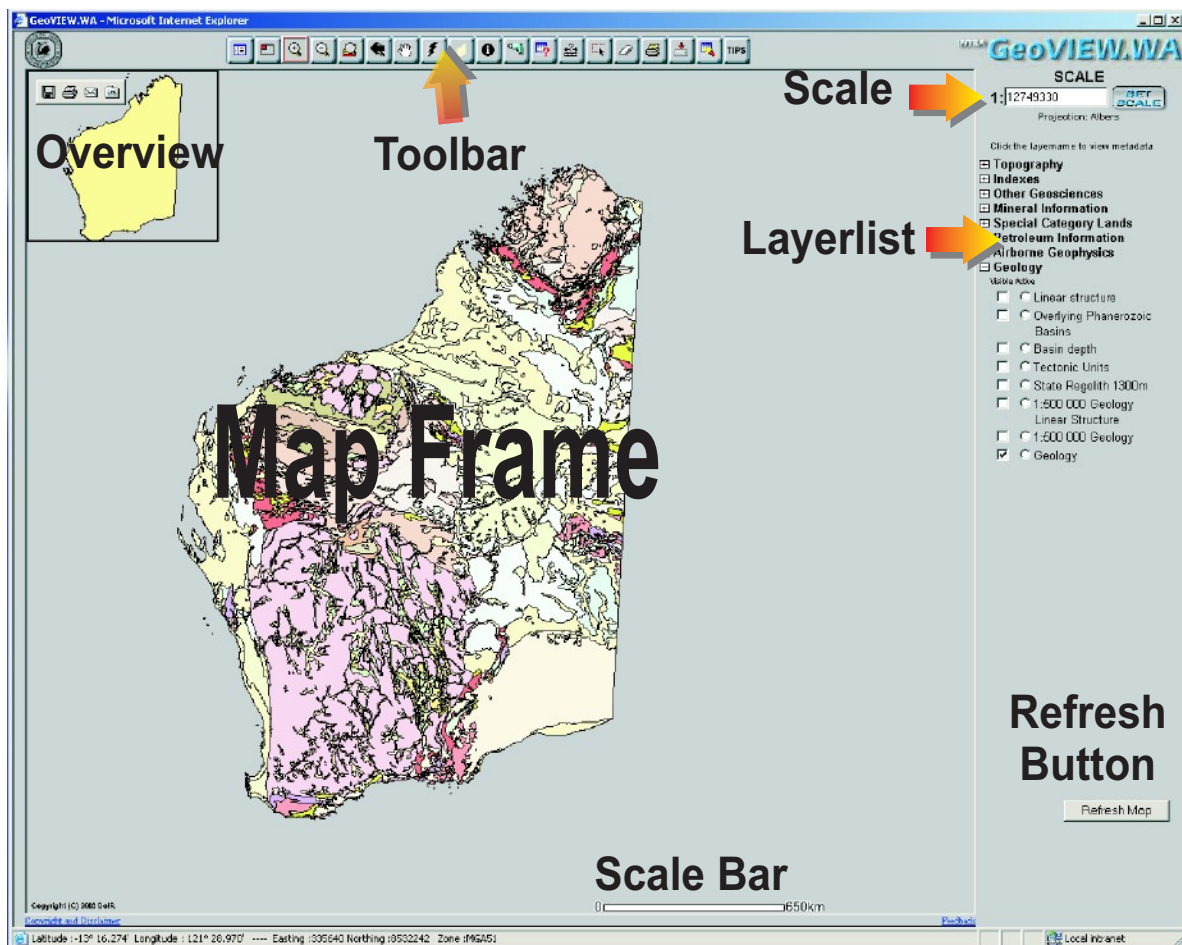
Launching the Application

The application can be accessed from the GeoVIEW.WA application's launch page at:

<http://www.doir.wa.gov.au/geology/launch.html>

To launch GeoVIEW.WA, click on one of the regions within the State borders to open to that region, or select all of Western Australia. After launching the application the user will see the user interface.

GeoVIEW.WA Overview



The Overview Map:

is a small map in the top-left-hand corner of the Map Display. It shows a broad view of the state. A red box shows the extent of the current Map Display.

The Toolbar:

contains a series of buttons to help navigate this database (a detailed explanation for each button can be found in the following pages).

The Map Frame:

is the area in which the map is displayed.

The Layerlist:

lists the layers (or features) that can be added to create a map. Categories to choose from include: topography, map indexes, other geosciences, mineral and petroleum information, airborne geophysics, and geology. Each category can be expanded to see the individual layers.

Additional GIS data layers can be made visible after their respective checkboxes are checked in the data layers list, and the **Refresh Map** button is clicked.

Metadata descriptions may be accessed by clicking on the data layer's name. Individual layers can be made 'active' by clicking in the round checkbox. Some buttons in the toolbar only react with items in the 'active' layer.

The Scale:

displays the relative scale for the current view, and is updated automatically with the **Zoom In** and **Zoom Out** functions.

The Scale Bar:

is a dynamically updated scale in kilometres (km) related to the centre of the **Map Frame**.

The Refresh Button:

updates the **Map Frame** according to the selection from the **Layerlist**.

Toolbar Buttons



Display Legend

This button displays a graphical legend, showing the codes and symbols of the displayed data. It will appear in a separate window that automatically refreshes when changes are made to **GeoVIEW.WA**. To close the window and stop it from reappearing hit the **Hide Legend** button, or select the **Legend** button on the toolbar.



Toggle Overview Map

This button toggles the display of the Overview Map in the upper-left-hand corner of the screen. By default, the Overview Map is turned on when **GeoVIEW.WA** is opened. Select this button to make the Overview Map disappear and select again to make it reappear.



Zoom In

This button will enlarge the map as if you were getting closer to the ground. Click on this button, then either:

Left-click the mouse on a single point on the map. A new map will be displayed which centres on the chosen location; or

Left-click the mouse at a point on the map BUT hold your finger on the mouse button. 'Drag' a rectangle on the area of interest and then release the button. A new map at a larger scale will be displayed.



Zoom Out

This button will make the map smaller as if you were getting further away from the ground. Click the button, then either:

Left-click the mouse on a single point on the map. A new map will be displayed which centres on the chosen location; or

Left-click the mouse at a point on the map BUT hold your finger on the mouse button. 'Drag' a rectangle on the area of interest and then release the button. A new map at a smaller scale will be displayed.



Zoom to Active Layer

This button allows the full extent of the active layer to be shown.



Back to Last Extent

Return the **Map Frame** to the previous extent.



Pan

Select the **Pan** button and then click and hold the mouse button to move to a new area.



Hyperlink

Choose a layer in the **Layerlist** and make it active by clicking inside the round checkbox next to its name, then click the **Hyperlink** button. Select a feature on the map. The result will appear in a new window. This function is only implemented for the Geology and Geophysics data groups (see **Layerlist**).



Reinitialise GeoVIEW.WA

To reset the **Map Frame** image and **Layerlist** to the initial launch settings use this button.



Identify

Choose a layer in the **Layerlist** and make it active by clicking inside the round checkbox next to its name, then click the **Identify** button. Select a feature on the map. The result will appear in the Identify Results box. If more than one feature is found, multiple items will be listed.



Drill Down Identify

This button works like the **Identify** button except that it 'drills' down through all the visible layers, not just the active layer. To use this feature: Navigate to the desired area on the map by zooming, panning or searching. Left-click on the **Drill Down Identify** button. Left-click on the Map Display at the location you want to 'drill' down through. The results will appear in a new text window.



Query

Use the **Query** tool to interrogate the attributes of the **GeoVIEW.WA** data layers. Choose a layer in the **Layerlist** and make it active by clicking inside the round checkbox next to its name. Click the **Query** button. Select a field to query. Choose an operator to be used in the expression and click the button to return a list of all available values for the selected field.



Measure

This tool measures a distance between two points. Click to define the first point and again to define the second point. Repeat for each segment. The segment and total measurement will appear in the **Map Frame**. To remove the line segments and clear the total, click the **Clear Selected Features** button and then click in the **Map Frame**.



Select by Rectangle

Choose a layer in the **Layerlist** and make it active by clicking inside the round checkbox next to its name. Choose the **Select by Rectangle** button. Click and drag on the area of interest and the selected features will be listed.



Clear Selected Features

This button clears selected features in the active layer.



Print

This button allows you to print your current view of the data. Printing is covered in more detail later in the guidelines.



Data Download Button

This button will link you to the **GeoVIEW.WA** Data Centre. From there you can download a number of geoscience datasets found in **GeoVIEW.WA**. To download a dataset click on the Download link in the desired file format column (either Shapefile or MapInfo format).



Metadata Search

Click this tool and drag a box around an area of interest. **GeoVIEW.WA** will query the ANZLIC Metadata Tool and return a list of dataset metadata from the area.



Tips

Enter the help pages to get information regarding the layout and functionality of **GeoVIEW.WA**

Printing a Map

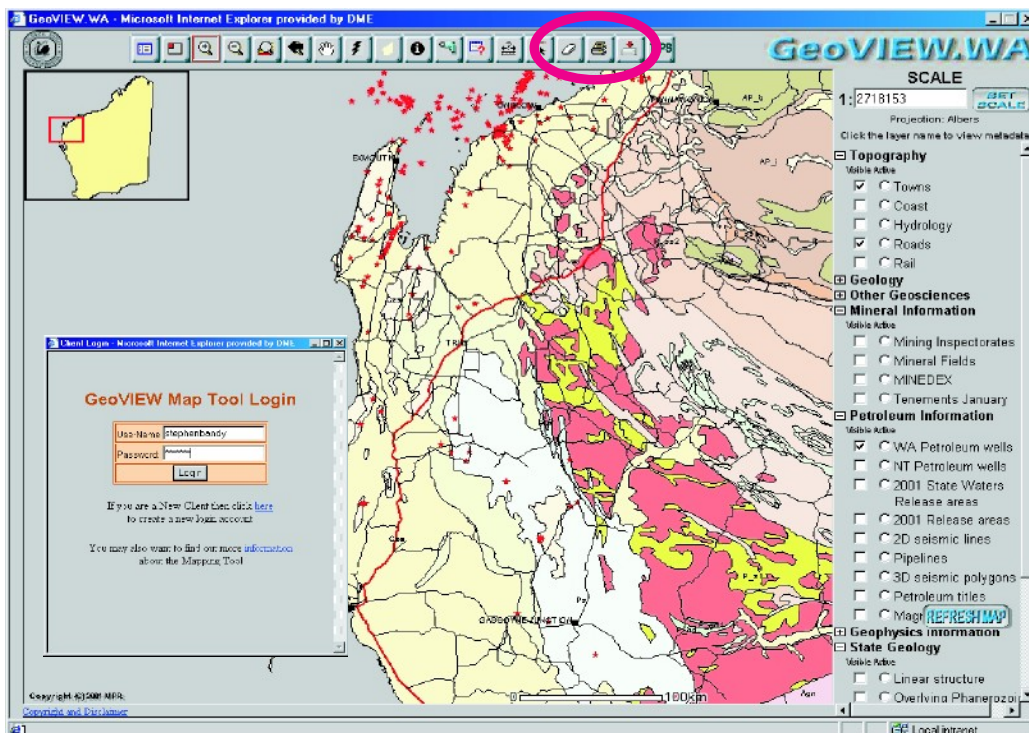
GeoVIEW.WA has a mapping tool that allows customers to produce a hardcopy of the map they have prepared within the **GeoVIEW.WA** map frame. The **GeoMAP.WA** mapping tool allows users to print a map version of the screen view of the data, from the web-based interface, incorporating GSWA's geoscientific map standards.

The map is generated as a PDF document and emailed to you. Therefore you need to register your name and email address the first time you use it. It is then a matter of logging in and creating your map after that.

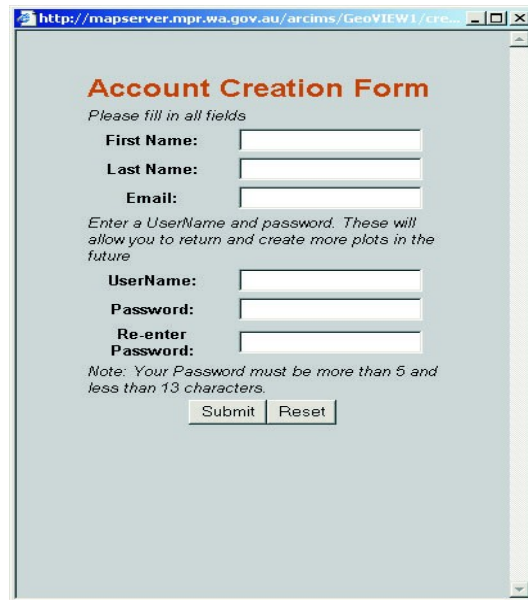
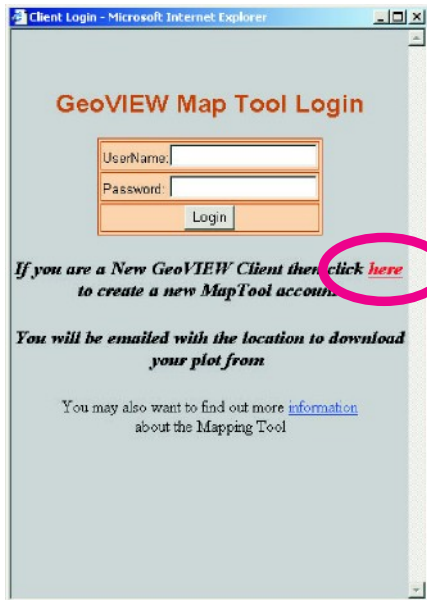
The PDF map can be viewed or sent to your printer.

Steps

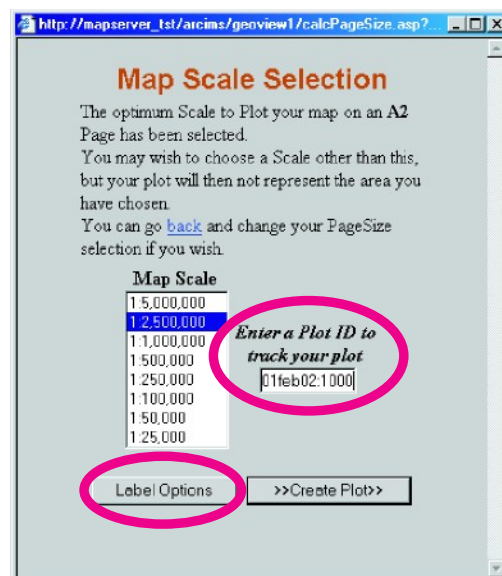
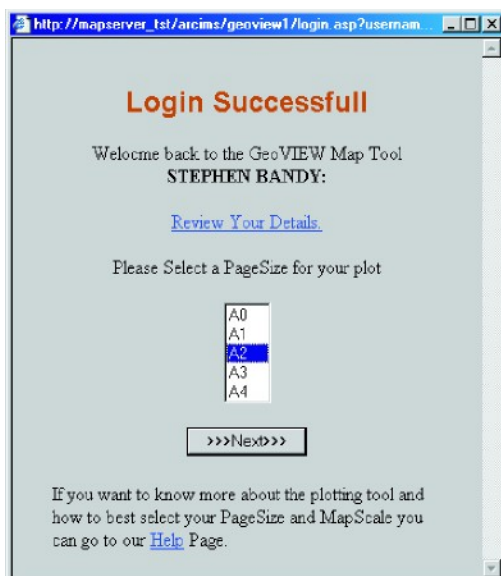
1. Display the data layers you wish to show on the map in the **Map Frame** by clicking on the checkboxes next to their names in the **Layerlist**.
2. Click on the **Refresh Map** button at the bottom of the **Layerlist**. The map will redraw with the added layers.
3. Click the **Print** button on the toolbar. A **Login** window opens.



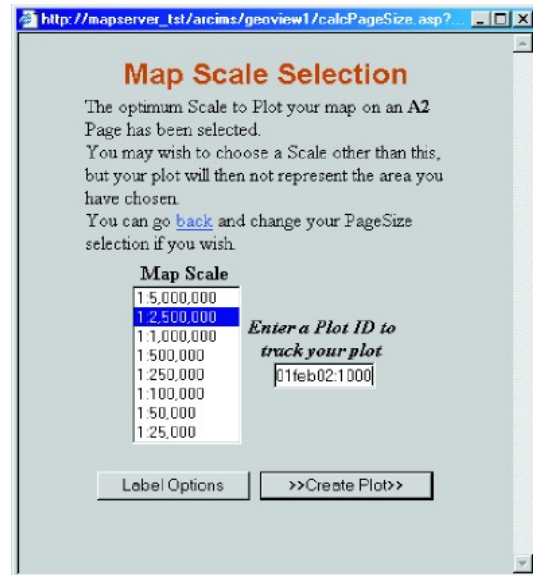
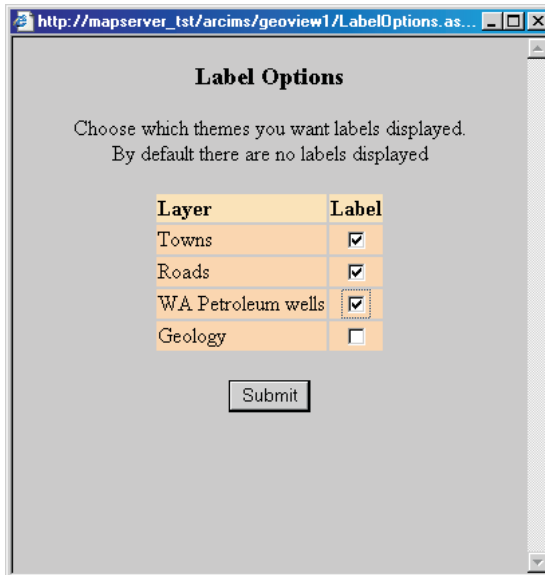
4. If you are a first-time user you will need to register by submitting the **Account Creation Form** accessed through the **Login** window. The username and password can be anything. The email address is essential and needs to be correct, as the PDF copy of the map will be sent to this address.



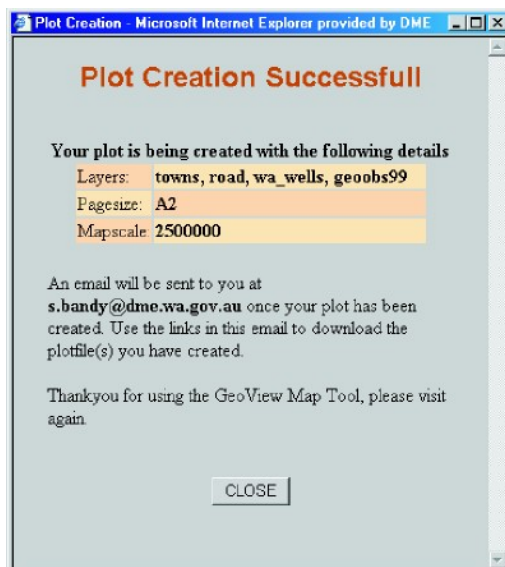
5. Select your paper size and scale. The optimum scale is highlighted for the page size you select but can be changed. Enter a plot name. This is for your reference and will be printed in the margin of the map. If you want labels select **Label Options**.



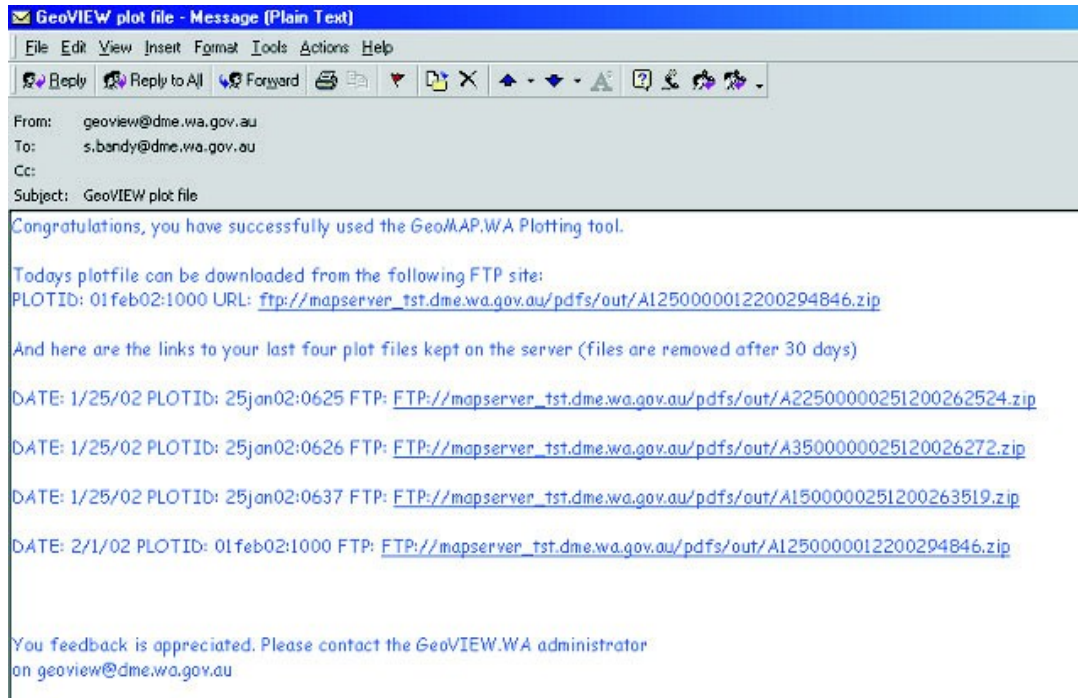
6. Select the layers you wish to display labels for. Select **Submit** and then **Create Plot**.



7. You must verify your plot details.

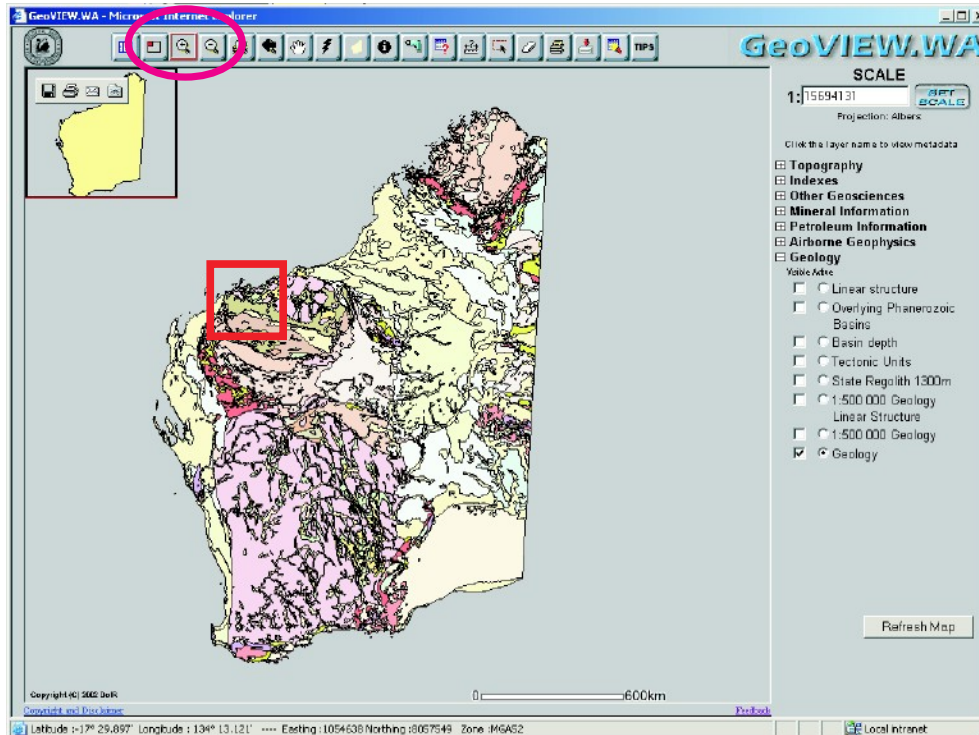


8. Within a few minutes an email will be sent to the registered email address to notify you that the plot is ready. The email contains a hyperlink to the plot file. You must click on the hyperlink to download the file to your PC.

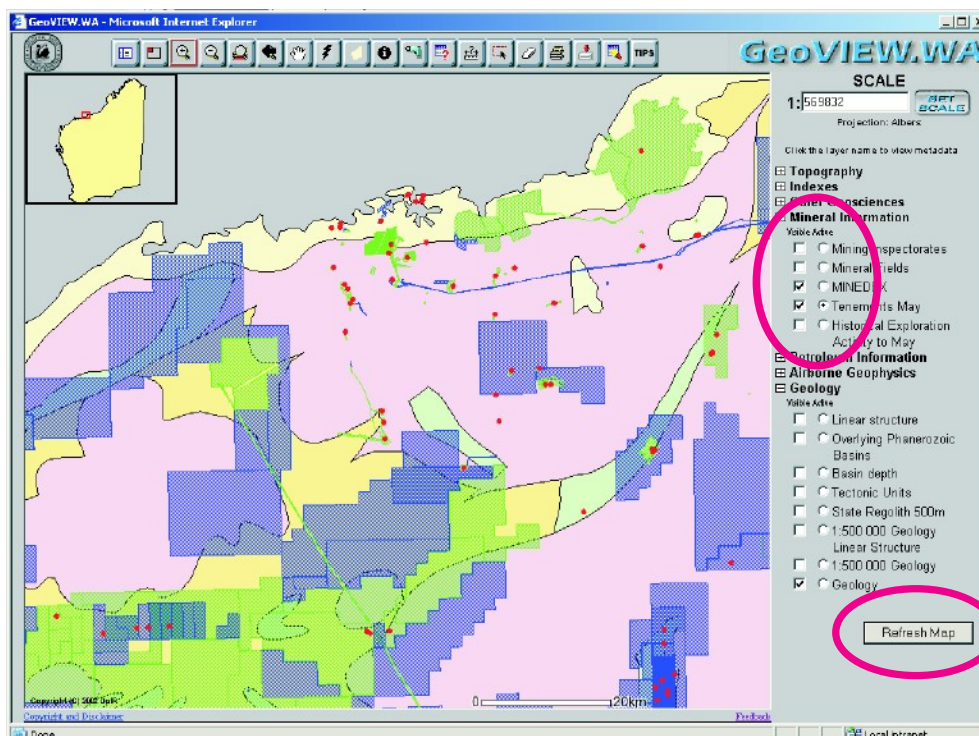



Sample Operation

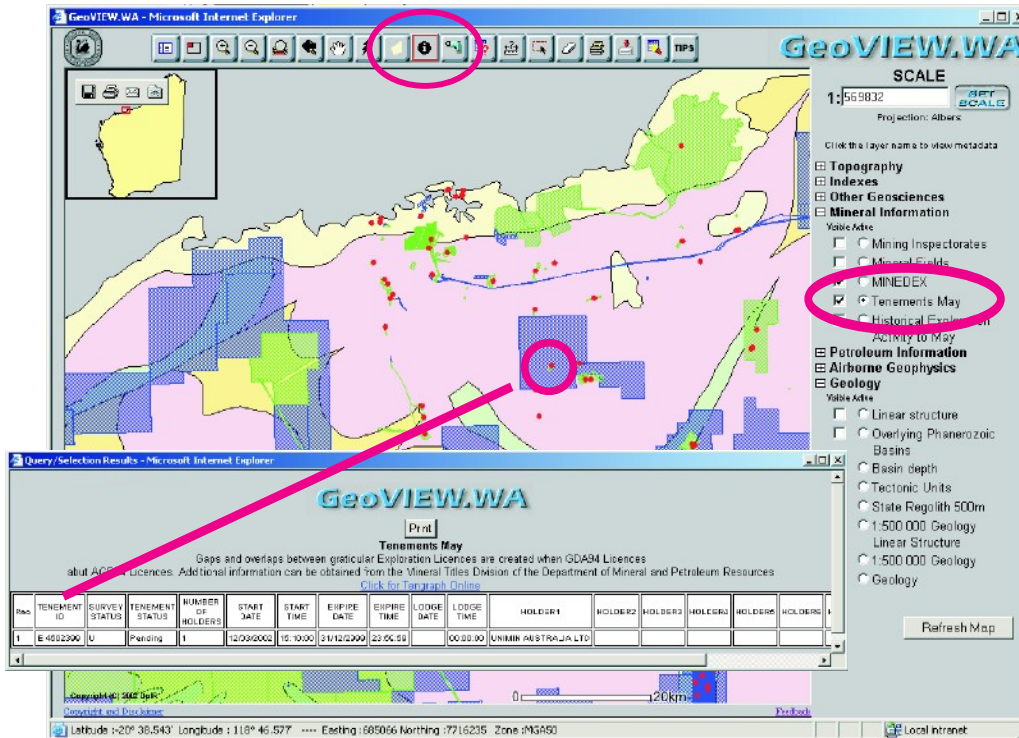
1. Use the **Zoom In** tool  to zoom to your area of interest.



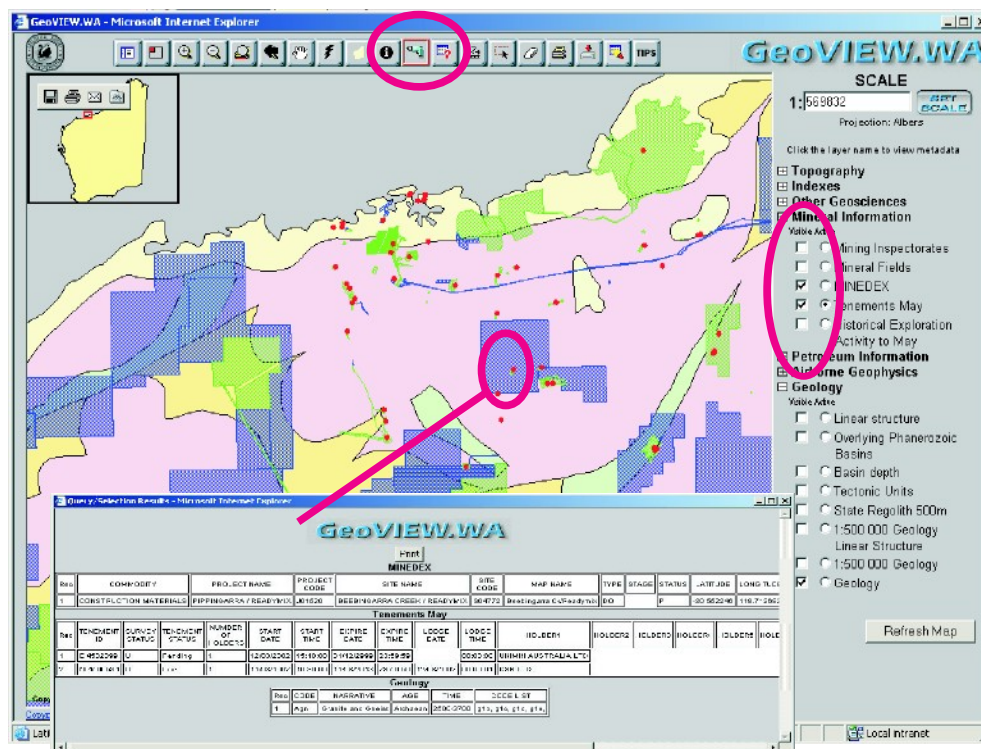
2. Turn on the layers you want to see by clicking the checkboxes and select the active layer by clicking the round checkbox. Then redraw the map frame by clicking on the **Refresh Map** button.




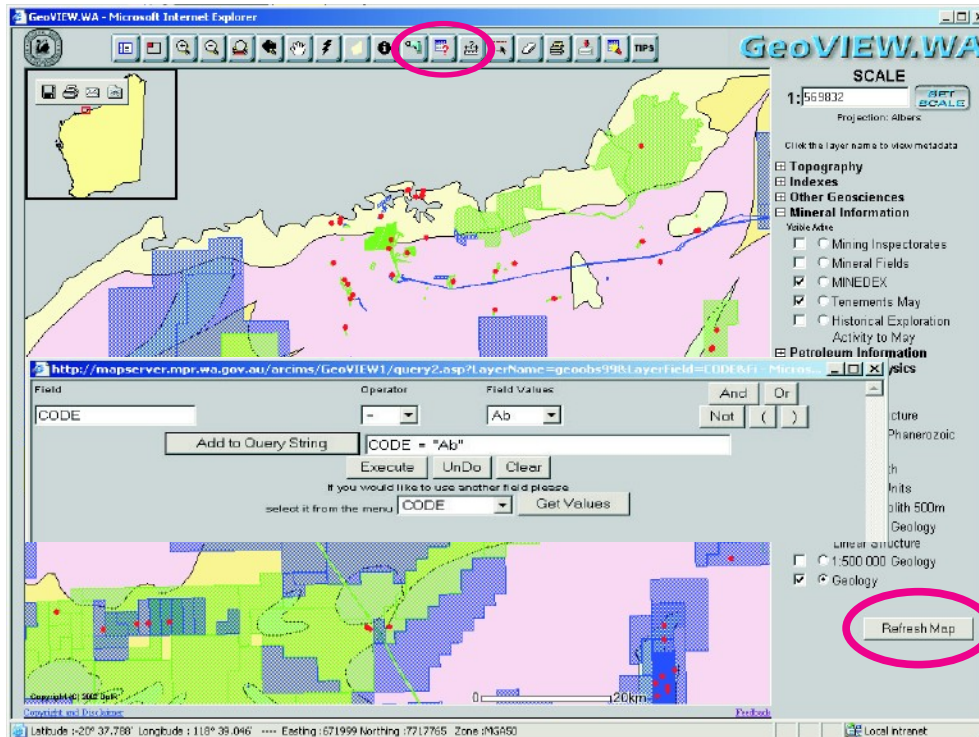
- Use the **Identify** button  to click on an item in the active layer to see the text related information associated with that item.



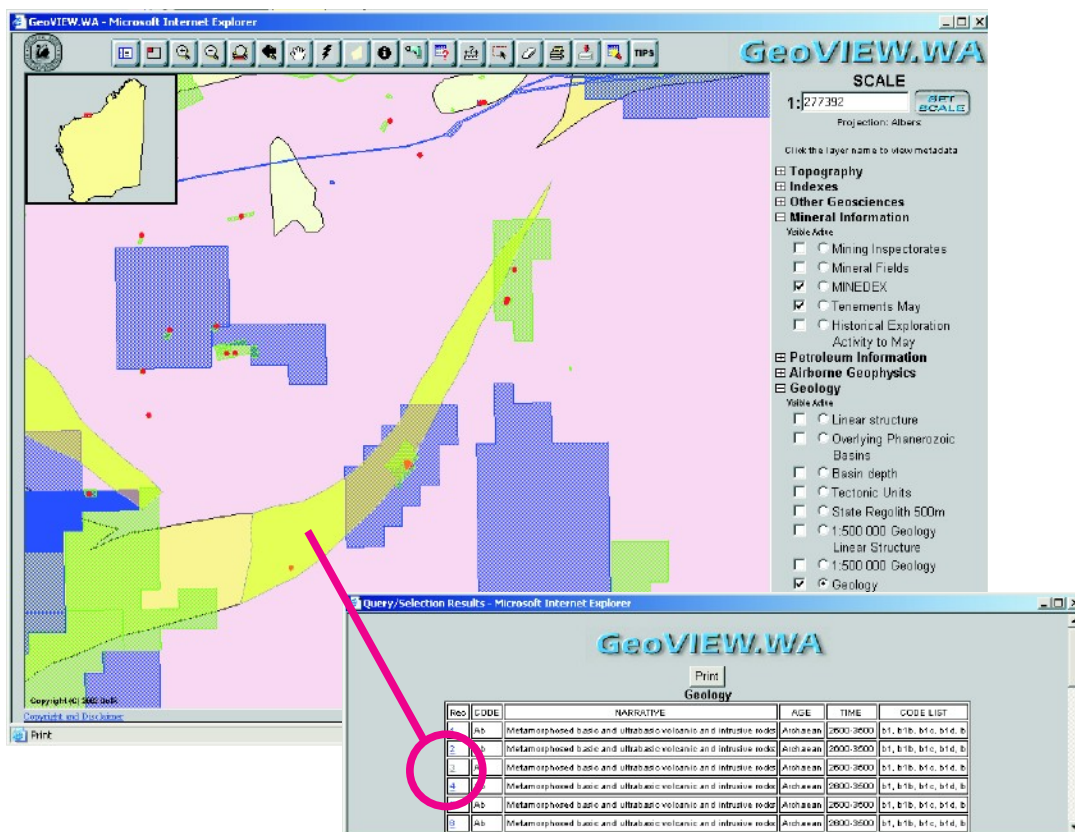
- Use the **Drill Down** button  to click on a point and see the text related information associated with an item all the visible layers.



- Use the **Query** button  to do a search based on the textual information. In this example the 'active' layer is geology. The query is built by selecting the field, the operator, and value to search on. In this example the search is where the geology code equals Ab.



- Use the results to zoom to the spatial location by selecting the record number.



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