

Online search and discovery

Preparation is the key to making the most of your visit to a Geological Survey of NSW (GSNSW) core library, and MinView is a great tool to help you make the most of your time. It provides useful context for the samples you want to examine and insights into what to look out for during your visit.

MinView is a web mapping application allows you to view, search and download a comprehensive range of geoscientific data for NSW at no cost. It is accessible from a browser on your desktop computer or tablet device. MinView also provides access to a range of supporting reference data, including current and historic exploration and mining titles, areas available for exploration, and cadastral information.

You can find MinView at: <https://minview.geoscience.nsw.gov.au>.

Datasets available include

There is a wide range of datasets you can search using MinView including:

- geological mapping data
- geological basins and provinces
- mineral occurrences
- drillhole locations and related sample information
- location of drillcore stored at the core library
- surface sample locations and geochemistry
- geological observations and measurements – including stratigraphical and lithological descriptions, and structural and petrophysical measurements
- geochronological data
- statewide geophysical imagery – including total magnetic intensity, gravity and radioelement.

MinView features

MinView allows you to:

- search for information in your area of interest



MinView

Preparing for your core library visit

March 2018

- conduct spatial and text searches on map layer attributes
- create custom views with data you use often
- upload your own data using zipped shapefiles or KML
- add your own labels or graphics to a map
- share your custom maps by email or print
- download data for the whole of NSW or clip to an area
- register for notifications of changes to exploration and mining title datasets.

Basic functionality of MinView

The image shows a screenshot of the MinView web application interface. The interface is divided into several sections:

- Left Panel:** Contains a search bar at the top with the text "search for a layer by keywords". Below it is a "Minimise All" button. A list of categories is shown, including "Exploration & mining titles", "Geology", "Mineral occurrences", "Resources", "Drilling", "Core library services", "Materials in library", "Analytical results", "Drilling geochemistry", "Surface geochemistry", and "Geological observations &". At the bottom of this panel are buttons for "Upload KML/zipped SHP file" and "Add Web Service".
- Map Area:** A central map showing a geographical region with various labels. A white box labeled "Map navigation tools" points to a vertical toolbar on the left side of the map. A white box labeled "Map coordinates" points to a coordinate display at the bottom of the map.
- Right Panel:** Contains a search bar with "Spatial Search" and "Text Search" options. Below it is a "Draw" button and a "More ..." menu. A white box labeled "Change base map" points to a button in the bottom right corner.

Annotations with red arrows point to various features:

- "Click 'Add layer' to explore & Search available datasets" points to the "Add layer" button in the left panel.
- "Search Tools – require layers to be loaded" points to the search bar in the right panel.
- "Data download" points to the "Draw" button in the right panel.
- "User Manual" points to a question mark icon in the right panel.
- "Map navigation tools" points to the toolbar on the left side of the map.
- "Map coordinates" points to the coordinate display at the bottom of the map.
- "Add your own data" points to the "Upload KML/zipped SHP file" button in the left panel.
- "Change base map" points to a button in the bottom right corner.

Tips for users

Here are some tips on how to get the most out of MinView:



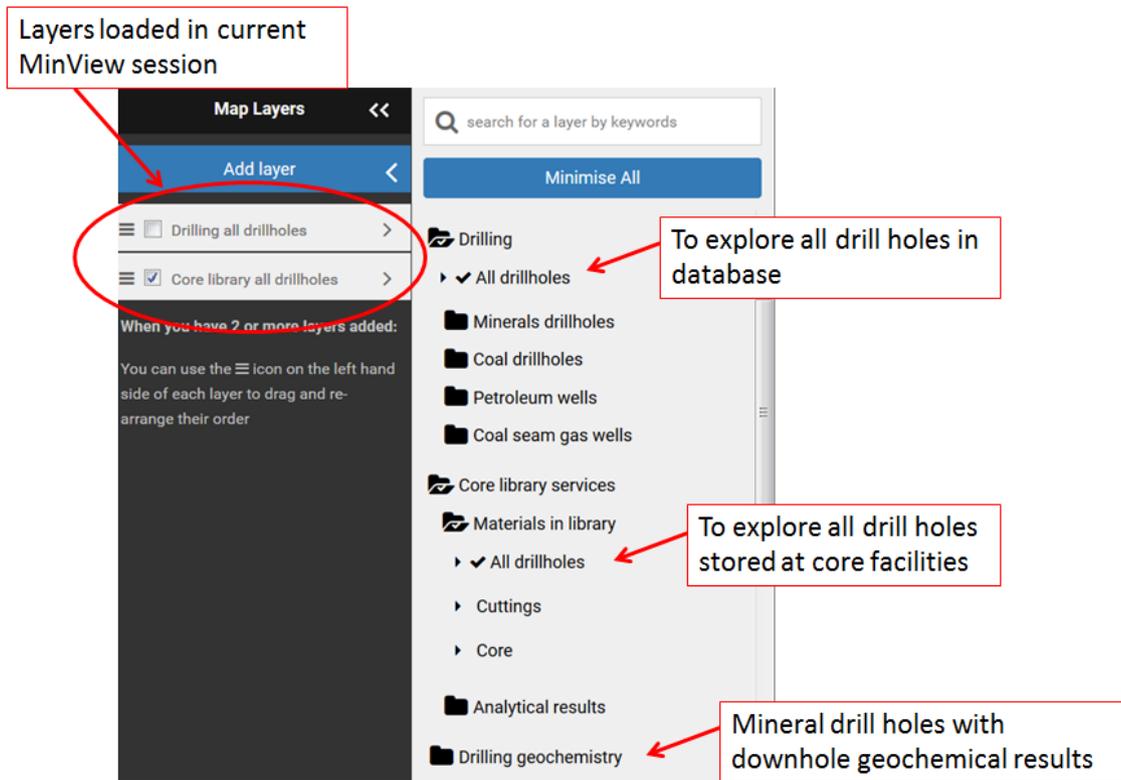
- MinView opens as a blank canvas showing the default Digital Globe satellite imagery base map. You can then explore the available data layers by clicking **Add layer** to load layers to the map. Layers can also be searched by using keywords at the top of the layer panel.
- To perform a search for data, the relevant layer must be loaded into the map. Search tools are on the top right menu bar and you have the option of either doing a spatial search for an area of interest or a text search based on relevant information.
- There are over 350 layers available in MinView, organised into a hierarchical structure based on the content of the datasets. The geoscientific and titles layers are listed in the top half of the layer panel and the reference layers in the lower half.

Finding drilling information

A wealth of drilling information is available in MinView and the data is presented within three key folders:

1. Drilling → all drillholes in the GSNSW database
2. Core library services → a subset of the drilling database, those that are physically held at core library
3. Drilling geochemistry → mineral drillholes that have downhole geochemistry.

To search for a particular drillhole it is recommended that the **Drilling → All drillholes** layer be added to the map as this contains all the drillhole records. Alternatively, if you are only interested in drillholes that are stored in a core library, then you should access the layer **Core library services → All drillholes**.



Once a layer has been added you can search on the drillhole data using either 1) your area of interest (Spatial search) or 2) information about the drillhole e.g. Hole name, Project, Title etc (Text search). Simply click on the Search tools provided at the top right menu bar to open the Search form and follow the instructions. To learn more about search options, please refer to the user manual available from the menu bar ( icon).

Search results

The results of your search are presented in a table as shown below. Scroll bars allow you to explore the records and information. Summary reports are available for individual records by clicking the 'Report' button and you can highlight selected records to locate the points on the map. Also, several fields such as 'title' and 'report' contain hyperlinks to the DIGs system to enable users to open related reports.

Text Search statement

The screenshot shows the MinView interface with a search filter 'program has creek' applied. The table displays several drillhole records. Annotations include:

- A red arrow pointing to the search bar labeled 'Text Search statement'.
- A red circle around the search controls (Modify Search, Zoom to Results, Clear) with the text 'Tools to assist in search, Displays number of records'.
- A red circle around the 'EL3644' links in the 'title' column with the text 'Links to DIGs reports'.
- A red arrow pointing to the 'Export Result to CSV' button with the text 'Export result set to CSV'.

Actions	program	hole_name	end_depth	title	reports
Report Highlight on map	Warrell Creek - Nambuc	5680N5220E		EL3644	GS1991
Report Highlight on map	Warrell Creek - Nambuc	5680N5240E		EL3644	GS1991
Report Highlight on map	Warrell Creek - Nambuc	5680N5260E		EL3644	GS1991
Report Remove highlight	Warrell Creek - Nambuc	5680N5280E		EL3644	GS1991
Report Highlight on map	Warrell Creek - Nambuc	5680N5300E		EL3644	GS1991
Report Highlight on map	Warrell Creek - Nambuc	5680N5720E		EL3644	GS1991

Related drillhole data

The level of drillhole information stored at the core libraries is highly variable. Key fields to note when exploring the drilling records in MinView include:

- core library
- material in library
- interval stored
- sample test.

These fields indicate what material is available and any previous test work undertaken on the drillhole. In addition, approximately 300 drillholes stored at the Londonderry core facility have been scanned using the HyLogger™, providing hyperspectral data and imagery.

Where can I find out more ?

Explore the user guide at <https://minview.geoscience.nsw.gov.au/docs/minview-user-manual-170627.pdf>

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Call on 1300 305 695.

If English isn't your first language, please call 131 450. Ask for an interpreter in your language and then request to be connected to our information centre on 1300 305 695.

Email minview.info@planning.nsw.gov.au