



Explore your data

The new MinView

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Geoscience Information Gateway project

“Easy public access to all validated non-confidential geoscientific and supportive reference data stored by the GSNSW from a single web map interface”

Fast, Informative, Intuitive and Flexible



\$3.0BN Assets

\$2.5b – digital data holdings

\$0.5b – core, cuttings, samples in 6 core libraries



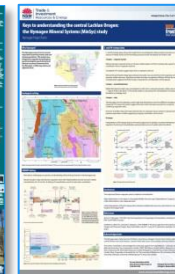
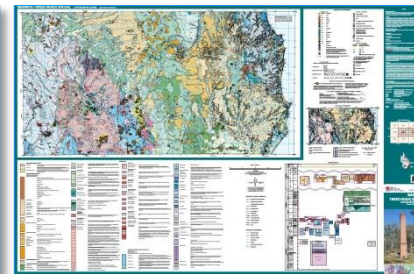
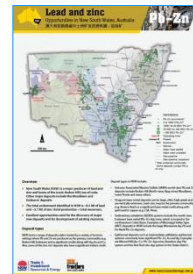
1400 GSNSW products

600 books, reports, bulletins etc.

550 maps

60 digital data packages

Presentations, posters etc

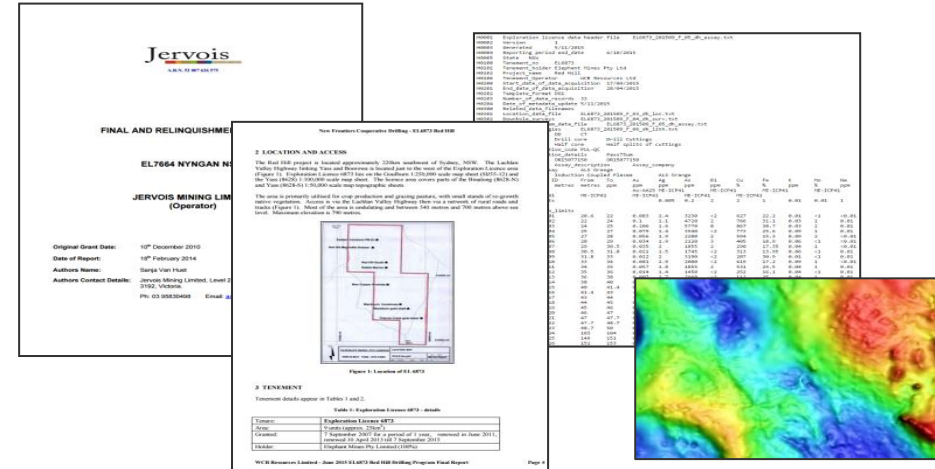


Phase 1 – DIGS update

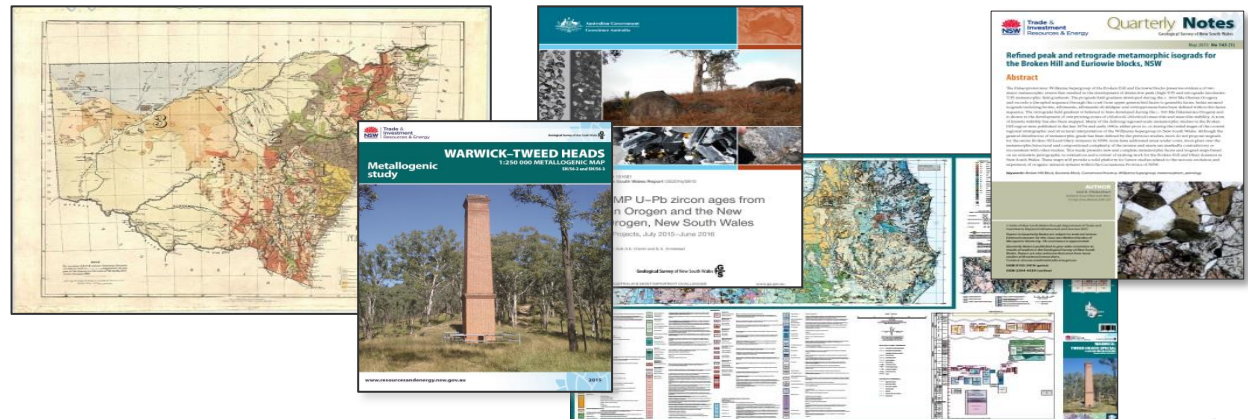
DIGS® (Digital Imaging Geological System) is a vast document archive which is available to the public online, making available non-confidential reports and other important documentary material held by the NSW Geological Survey



Reports collection



Publications collection



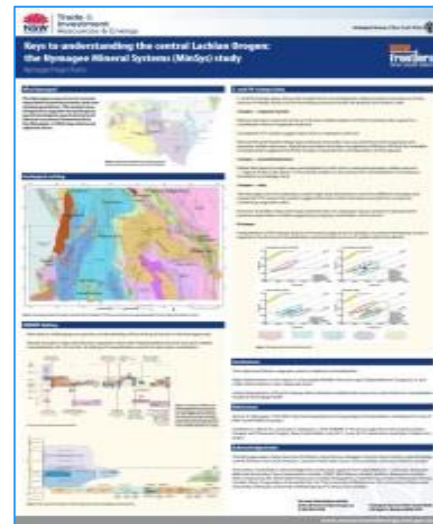
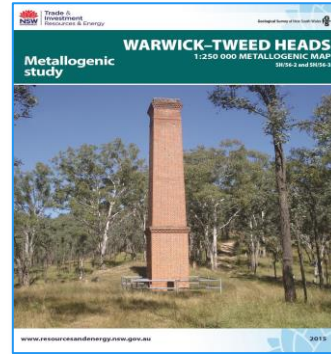
DIGS publication collection

Departmental publications

- Explanatory Notes for maps
- Bulletins & Quarterly Notes
- Research & Technical papers
- Non-periodicals
- Mineral Industry Review

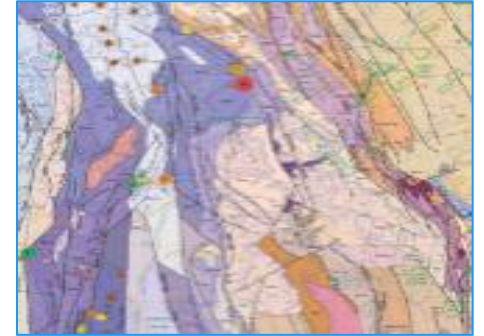
Promotional materials

- Posters
- Presentations



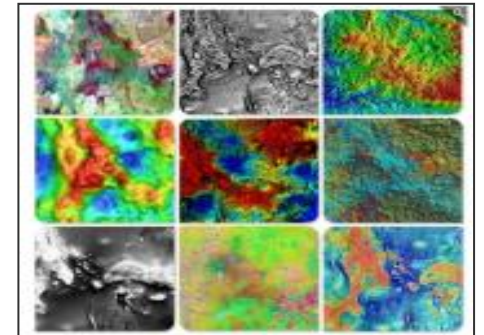
Maps

- Geological & metallogenic
- Regolith
- Coastal quaternary
- Special interest maps
- Geophysical maps



GIS data (vector) for maps

- Geodatabases
- GIS data (ArcGIS & Mapinfo)



Geophysical imagery

- 250K mapsheet datasets

DIGS report collection

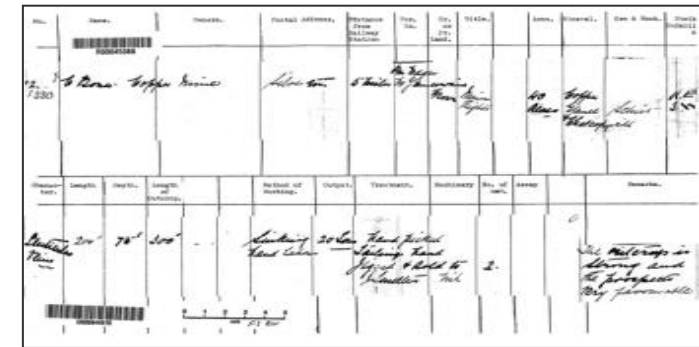
Older publications

- Mine records – inspector reports, geological notes
- Mineral records, annual report compilations, memoirs
- Mine plans, record tracings and survey diagrams
- Cartographic plans – primarily dept outputs (heritage collection)



Historical

- Heritage maps
- Correspondence
- Field notebooks
- Images (within documents)



DIGS search options

The screenshot shows the 'Advanced Search' interface. At the top left is the NSW Government logo and the text 'Planning & Environment Resources & Geoscience'. Below this is a map of NSW with a blue box labeled 'Click here to set your area'. To the right of the map is a search bar with 'Search in:' and tabs for 'Reports', 'Publications', and 'Syntax'. Below the search bar are four columns: 'AND / OR', 'SEARCH BY FIELD', 'OPERATOR', and 'SEARCH TERM'. The 'SEARCH BY FIELD' column has three rows with dropdown menus for 'Publication Name', 'Author', and 'Document Contents'. The 'OPERATOR' column has three rows with dropdown menus for 'All of the words', 'Any of the words', and 'Any of the words'. The 'SEARCH TERM' column has three rows with text input fields containing 'belt', 'gilmore', and 'gold'. Below these columns are buttons for '+ Add Row', '- Remove Row', and 'X Clear All'. At the bottom are buttons for 'Sort by: Relevance', 'Show abstract: Yes', and a 'Search' button.

The screenshot shows a map titled 'Select your area of interest'. The map displays various geological features and labels such as 'Quaternary colluvial deposits', 'EL 8292', 'EL 5524', 'EL 8214', 'EL 5915', 'EL 8397', and 'Czs'. On the right side of the map, there are instructions: 'Click ● or ■ to draw area on map or Use current view', 'or Set area to title or title application el8001 Go', 'Set area to mapsheet', 'or All of NSW', and 'To modify selected area click ⌘ To delete selected area click ⌘ then select shape'. At the bottom right are 'Apply' and 'Cancel' buttons.

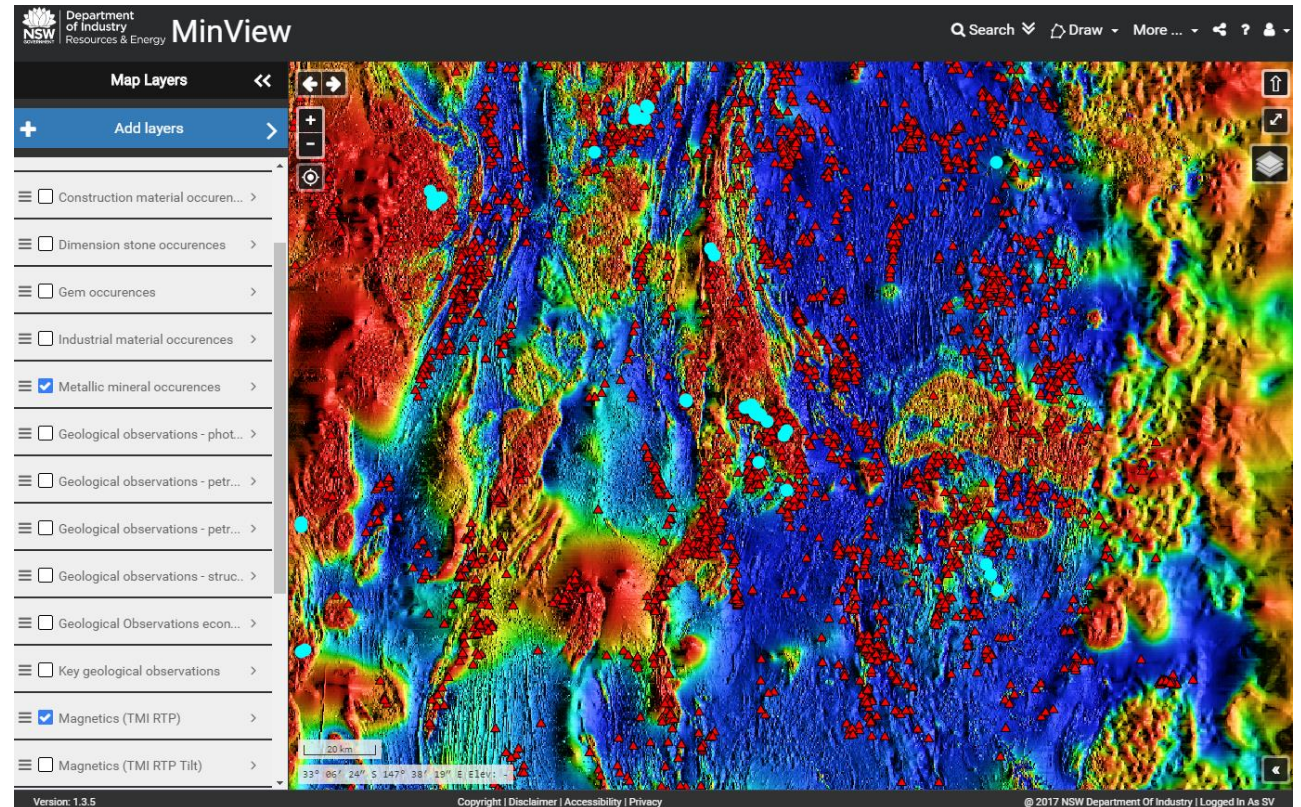
The screenshot shows the 'All' search results page. At the top are tabs for 'All', 'Reports', and 'Publications'. Below the tabs is a map of NSW with a blue box labeled 'Click here to set your area'. To the right of the map is a search bar with the text 'Search all items within the DIGS database and the Geoscience Product Catalogue' and a 'SEARCH' button. Below the search bar is a checkbox labeled 'Search for exact phrase'. At the bottom are buttons for 'Sort by: Relevance' and 'Show abstract: Yes'.

Searches can be saved and emailed

Phase 2 – MinView map viewer

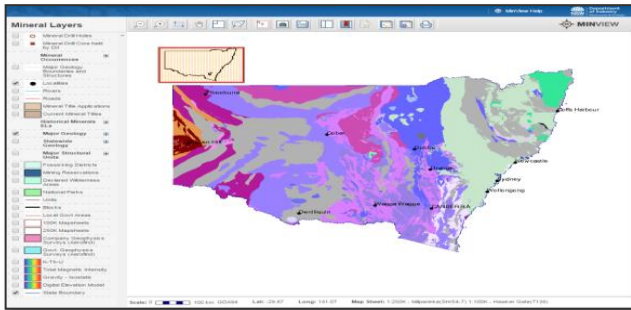
Web map to discover and visualise

- geological mapping data
- field observations
- drilling information
- mineral occurrences
- geochemistry
- geochronology
- statewide geophysics



MinView (r)evolution

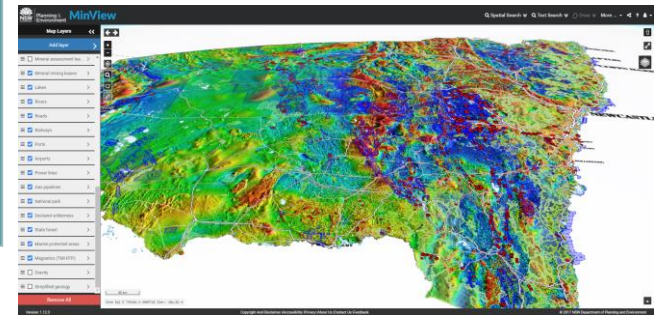
2008 - MinView 2



2012



2017 - MinView 3



Continuity of features

Will continue to provide

- Text & spatial queries
- Exporting query results
- Alerts for title changes or imminent expiry
- Bookmarks for views worth saving
- Links to DiGs
- Printing

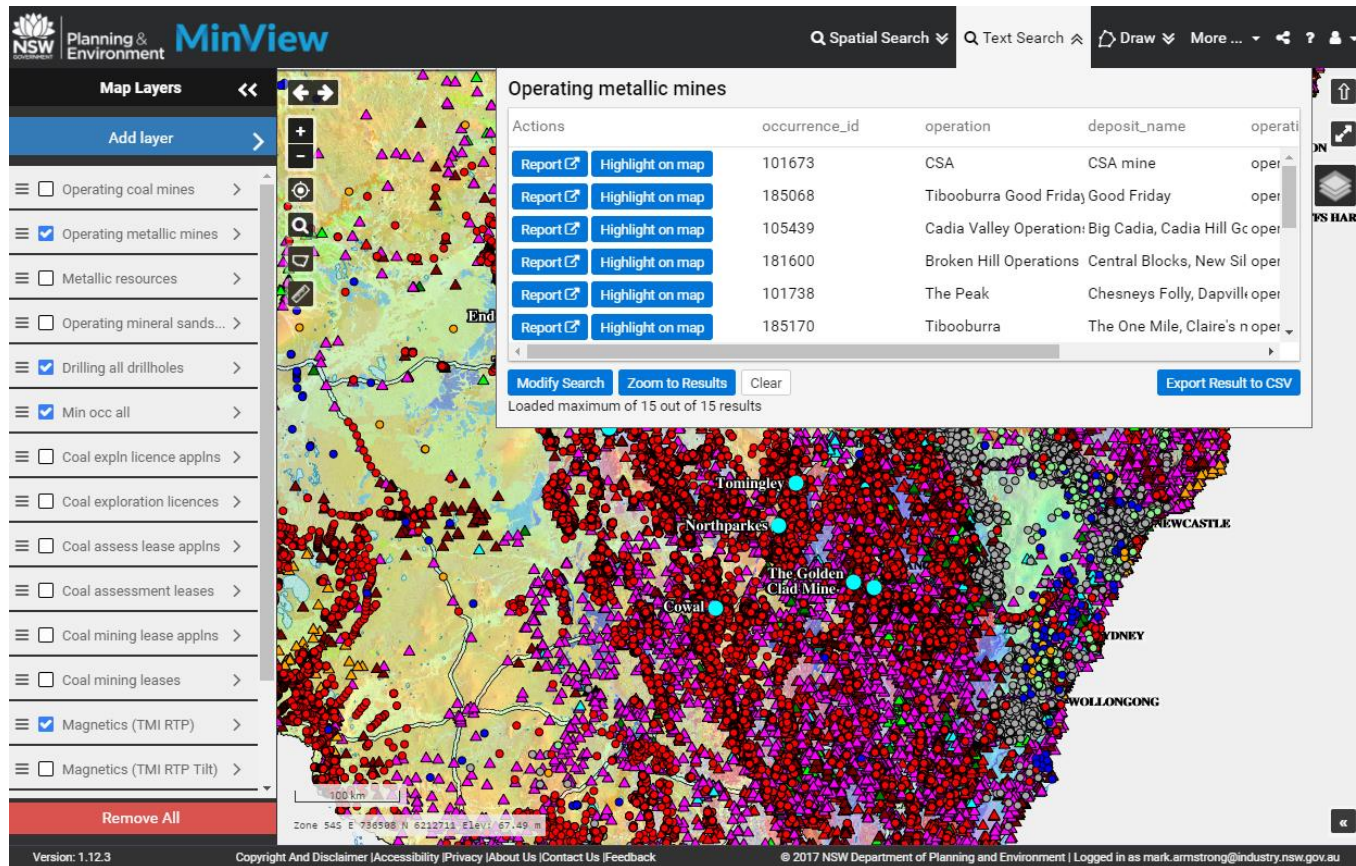
Also has

- Full GSNSW data set downloads
- Access to many more layers
- Map annotation tools
- 3D viewing option
- Variety of base maps
- Ability to share views

***BUT* can no longer apply for titles**

Refer to the all new 'Resources Customer Portal'

Full data access – search tools



Mineral occurrence data

deposit_name	relation_to_hostrock
comm_type	deposit_structure
major_commodities	summary_description
minor_commodities	references
reports	depth
deposit_size	length
depost_class_nsw	width
deposit_genesis_nsw	deposit_dip_plunge
deposit_class_other	deposit_dip_direction
operation_state	deposit_strike
operation_status	district
production	occurrence_id
resources	grid_loc
description_workings	mgae
alteration	mgan
ore_mineralogy	zone
gangue	latgda94
hostrocks	longda94
mineralisation_style	location_accuracy
ore_texture	coordinates
deposit_shape	geometryType

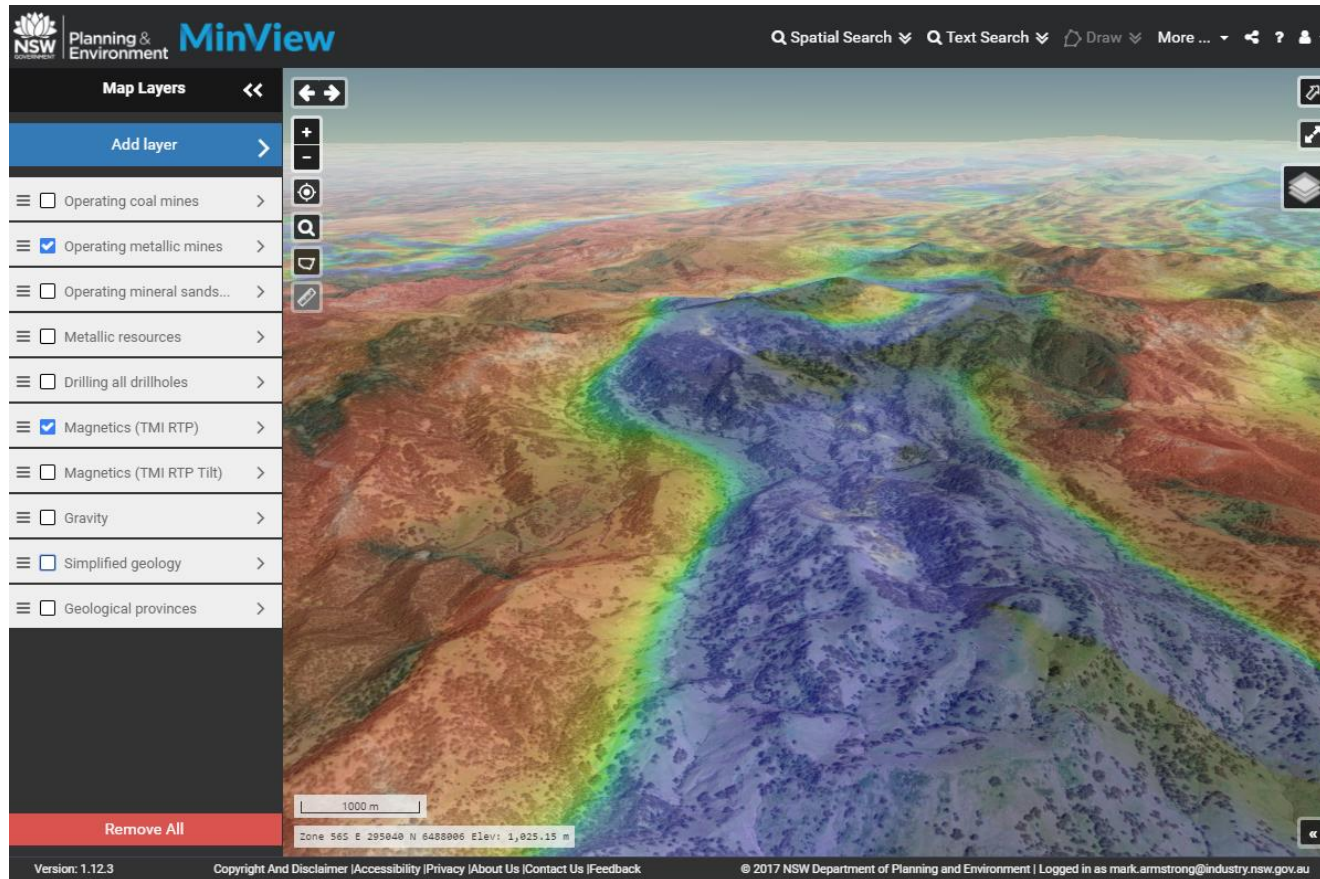
More base maps

The screenshot displays the MinView web application interface. The top navigation bar includes the NSW Department of Industry Resources & Energy logo, the 'MinView' title, and search options for Spatial and Text. A left sidebar titled 'Map Layers' lists various data layers such as 'Simplified geology', 'Geological obs all', 'Min occ all', 'Min occ very large', 'Mineral occ hydro metam...', 'All drillholes', 'Drilling geochem all data', 'Surface geochem all data', 'Geochronology all', 'Metallic mines with reso...', 'Magnetics (TMI RTP)', 'Gravity', 'Seismic lines', 'Geophys govt surveys', and 'Geophys govt gravity sur...'. A 'Remove All' button is at the bottom of the list. The main map area shows a 3D satellite view of a desert landscape with a 5 km scale bar and coordinates (Zone 54S E 526168 N 6482470 Elev: 324.4 m). A right sidebar allows switching between 3D and 2D views and lists base map options: 'Digital Globe Imagery' (selected), 'NSW Imagery', 'NSW Base Map', and 'NSW Geology'. An 'Opacity 100' slider is also present. The bottom of the interface shows the version (1.6.12), copyright/disclaimer/accessibility/privacy links, and the year 2017 NSW Department of Planning and Environment.



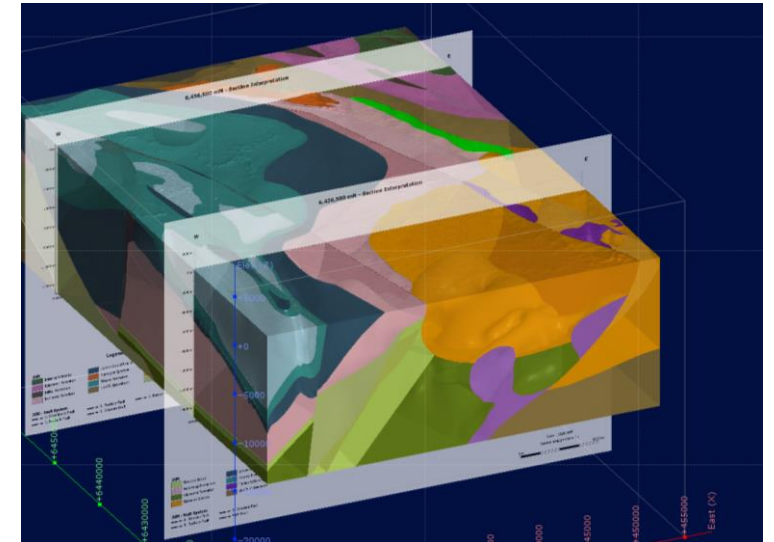
Digital Globe Maps API : Curated satellite imagery layer, 30-60cm, supplemented cloud-free Landsat 8

3D viewing



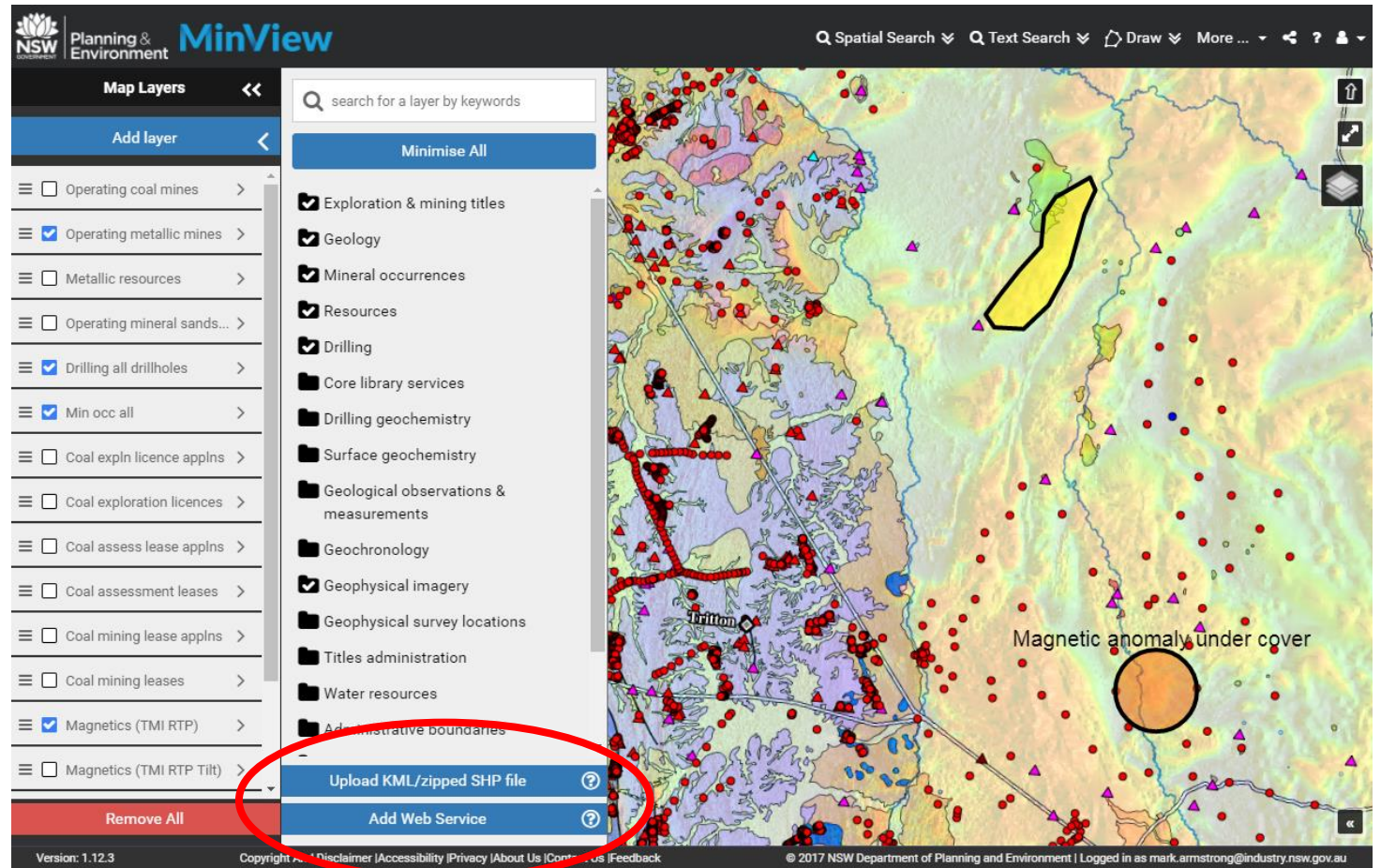
Watch this space

- Work in progress to visualise subsurface in 3D
 - Drillholes
 - Geological models



Import data & annotate

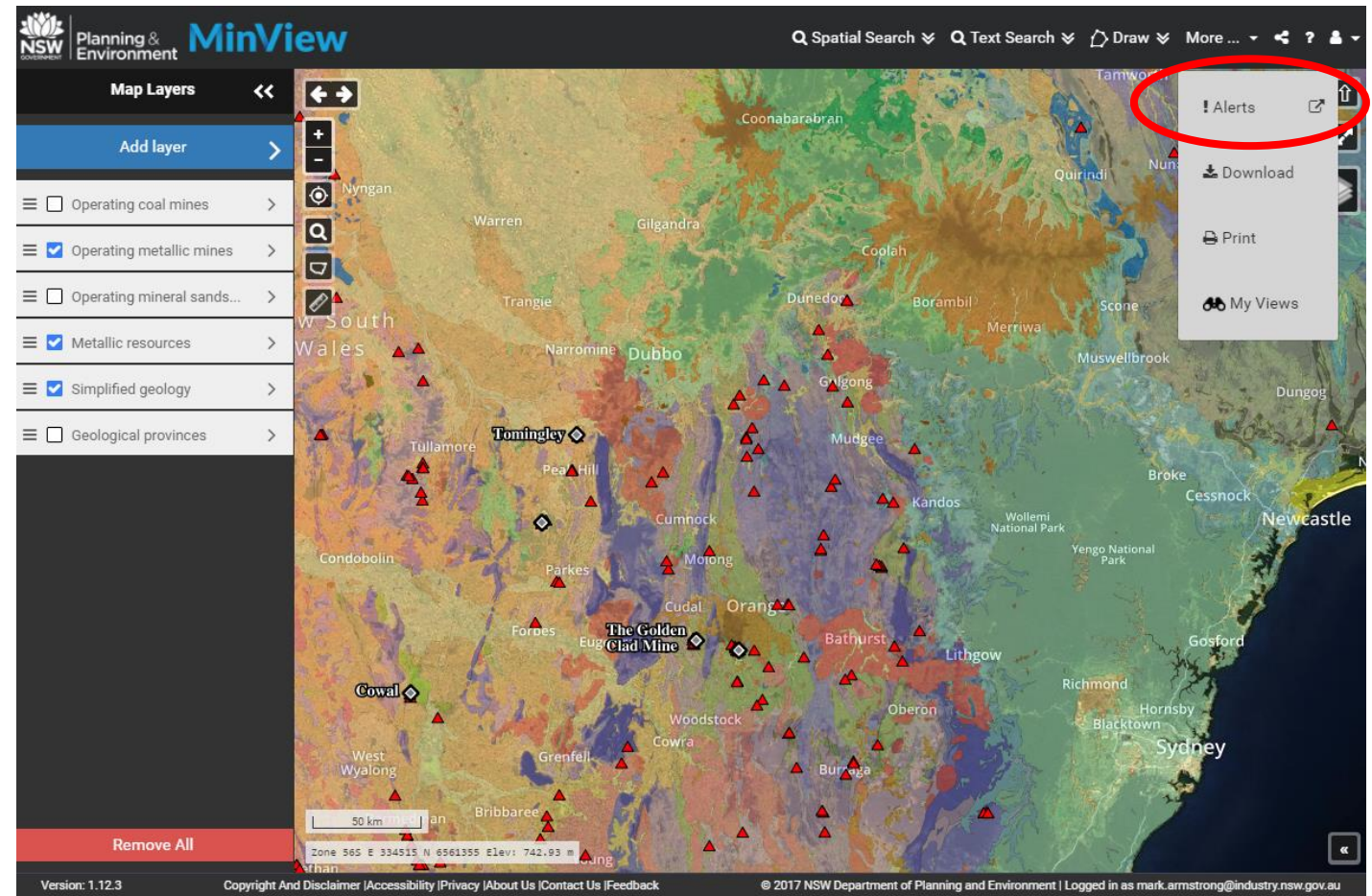
- Import KML or shapefiles
 - Confidential drillholes
 - Geophysical survey lines
 - Geological interpretations
 - Prospective areas
 - Proposed drill locations
 - Possible access routes
 - Rehab areas
- Highlight key features
- Save view
- Share with colleagues



Email alerts

Use this form to request an email alert for either:

- When a title changes
 - A block or unit being dropped or added to a licence
 - New application is made
- When a title is about to expire
 - 8 weeks and 1 week prior to the expiry date



Contacts & information

MinView Administrator

Email: minview.info@industry.nsw.gov.au

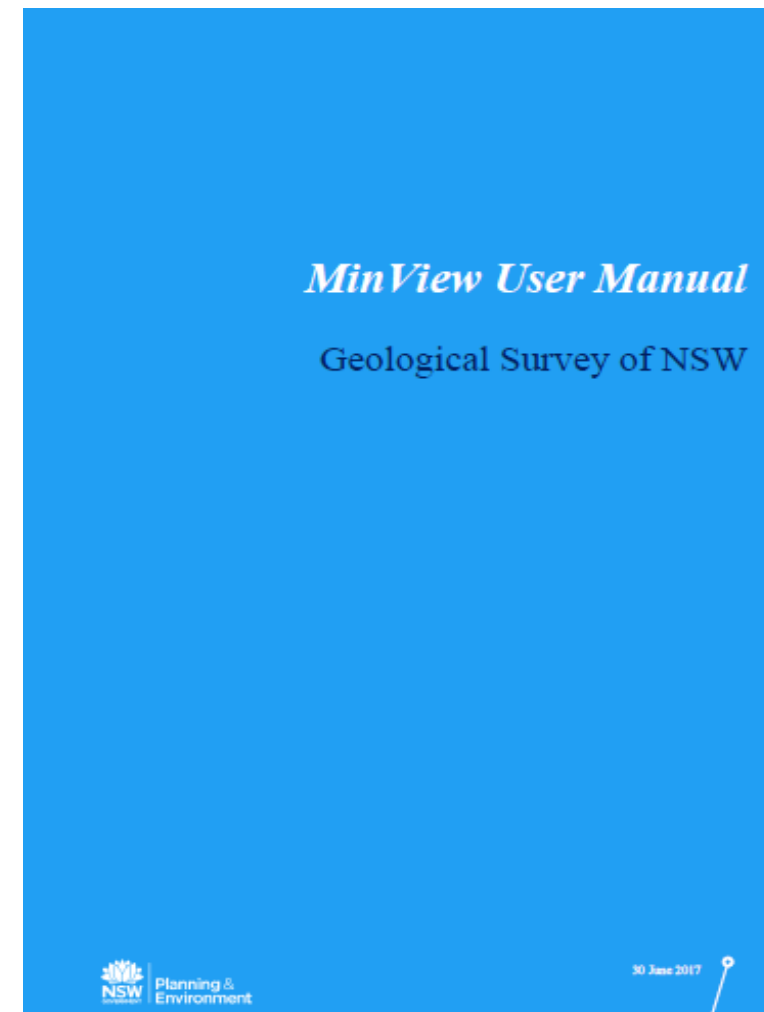
Phone: 02 4931 6598

About MinView

<http://www.resourcesandenergy.nsw.gov.au/miners-and-explorers/geoscience-information/services/online-services/minview>

Resources Customer Portal (online Title applications)

<http://www.resourcesandenergy.nsw.gov.au/about-us/news/2017/resources-customer-portal>



NSW geology phone maps

- Download to your mobile device
- No mobile reception required in the field
- Free

View geology maps and airborne geophysical images produced by the Geological Survey of New South Wales. The maps and images are downloaded to your mobile device so that no reception is required in the field. Your location is always indicated on the map, and the map can be re-centred to your current location at any time with just one touch. The simplified geology map displays 106 broad rock types and is interactive. When the screen is touched the name and age of the underlying rock type is displayed in a pop-up. When the pop-up is touched, additional information is displayed.

A useful tool for NSW geologists, engineers, farmers, environmental consultants and students and anyone interested in geology, landforms and soils.



Note: initial download of 162 MB of map data is required.

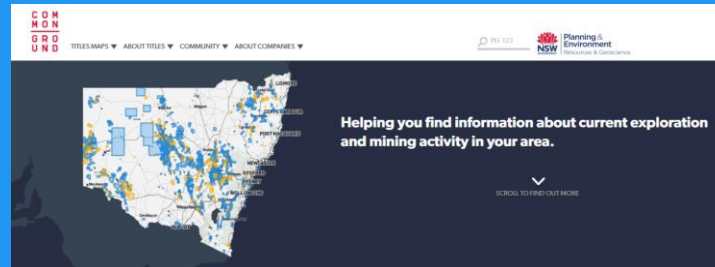
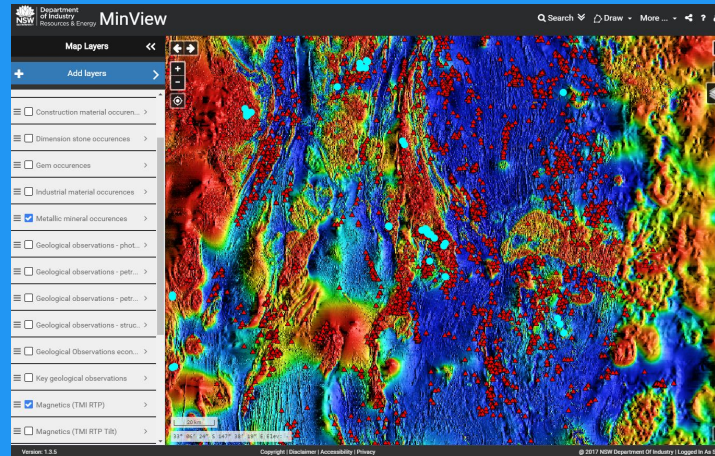
Get the maps!



iPhone and iPad
Install the NSW Geology Maps app.



Android phones and tablets
Browse to tinyurl.com/gsnsw123



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