



Explore your data

The new MinView

*Mark Armstrong
23 November 2017*

- ## Contents

1. *Geoscience Information Gateway project*
2. *The MinView (r)evolution*
3. *Why use MinView3 – an industry view*

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



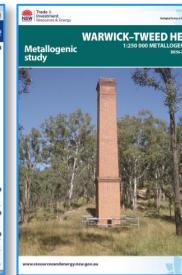
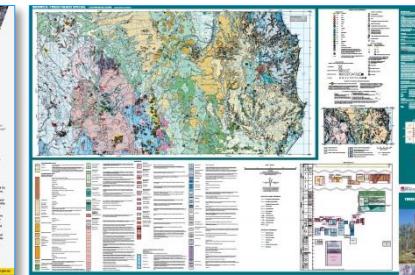
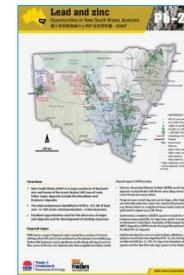
1400 GSNSW products

600 books, reports, bulletins etc.

550 maps

60 digital data packages

Presentations, posters etc

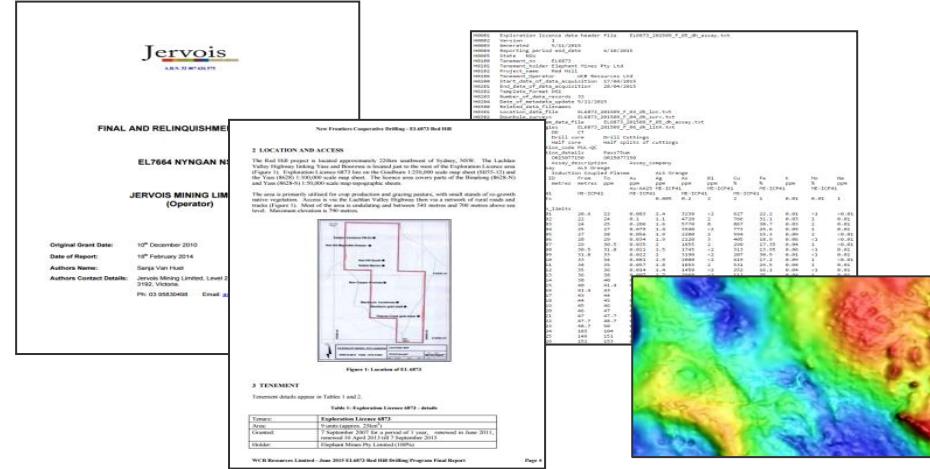


Phase 1 – DiGS update

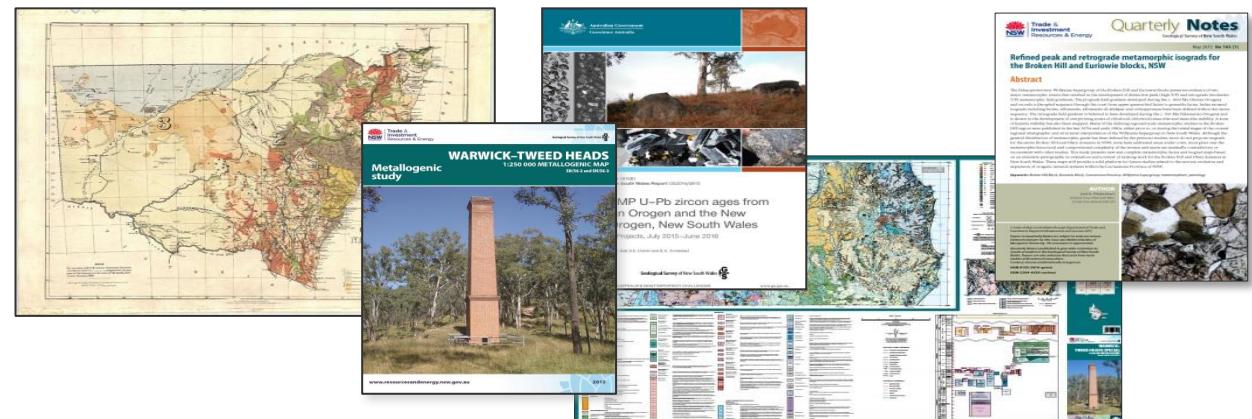
DiGS® (Digital Imaging Geological System) is a vast document archive which is available to the public online, making available non-confidential reports and other important documentary material held by the NSW Geological Survey



Reports collection



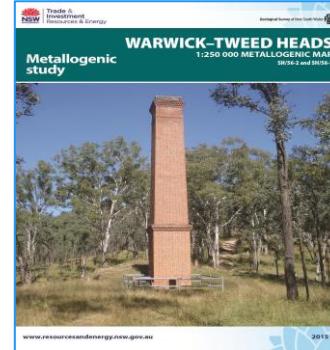
Publications collection



DIGS publication collection

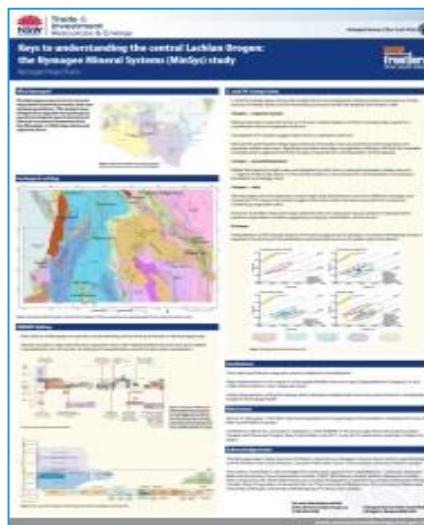
Departmental publications

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



Promotional materials

- Posters
- Presentations



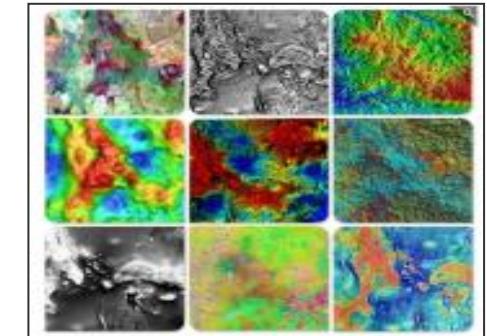
Maps

- 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)



Min.	Max.	Thickness	Mineral	Mineral	Mineral	Min.	Max.	Mineral	Mineral	Mineral	Min.	Max.	Mineral
12	20	800	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
12	20	800	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200

DIGS search options

 **Planning & Environment**
Resources & Geoscience

Advanced Search

Click here to set your area

Search in: Reports Publications Syntax

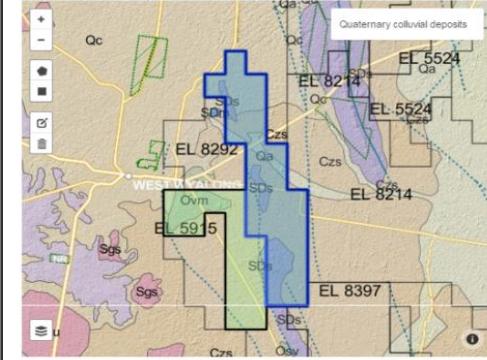
AND / OR SEARCH BY FIELD OPERATOR SEARCH TERM

AND	Publication Name	All of the words	belt
OR	Author	Any of the words	gilmore
AND	Author	Any of the words	greenfield
	Document Contents	Any of the words	gold

Sort by: Relevance

Select your area of interest

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
To modify selected area click To delete selected area click then select shape



Apply Cancel

All Reports Publications

Click here to set your area

Search all items within the DIGS database and the Geoscience Product Catalogue
eg. Dubbo gold 2011

Search for exact phrase

Sort by: Relevance

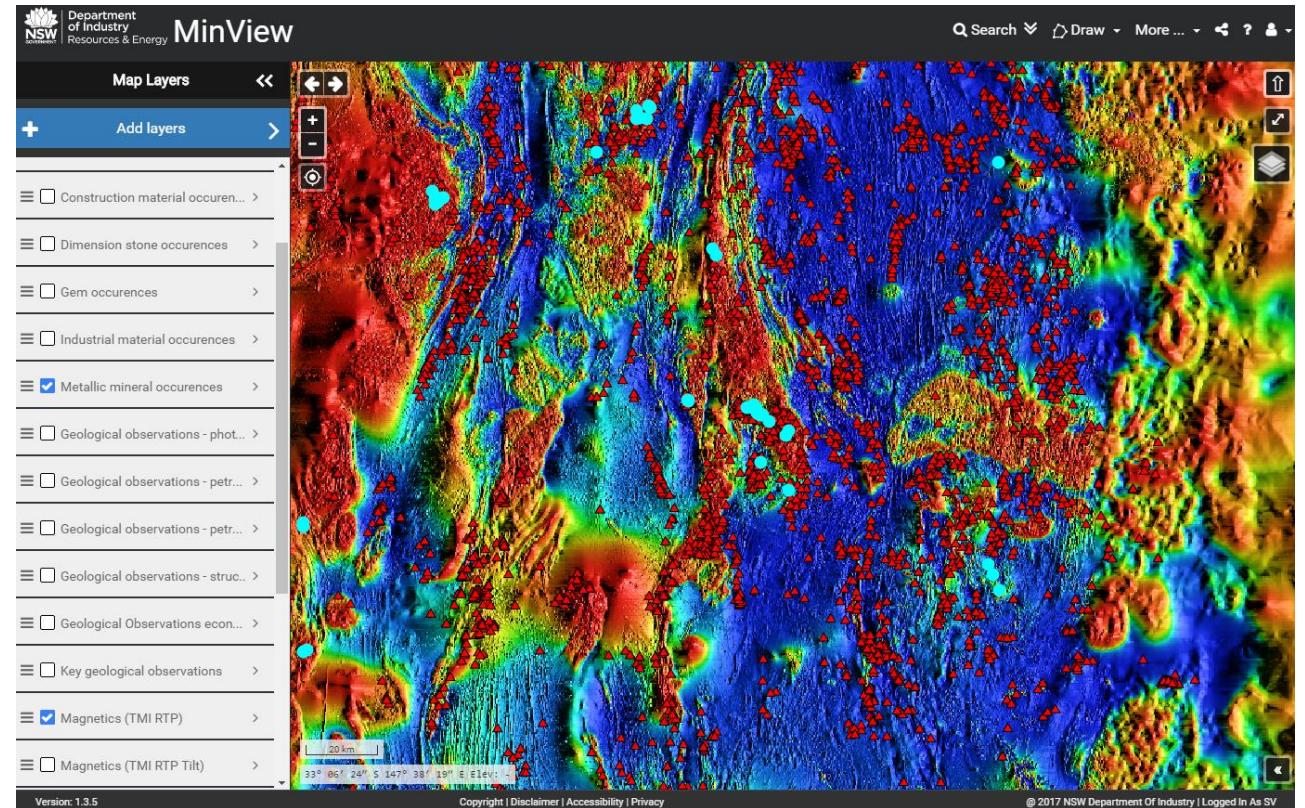


Searches can be saved and emailed

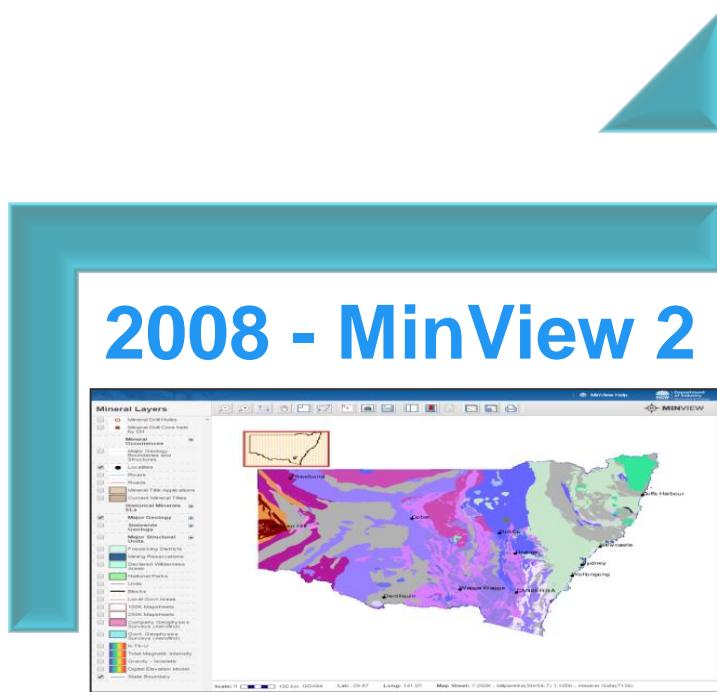
Phase 2 – *MinView map viewer*

Web map to discover and visualise

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



MinView (r)evolution



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

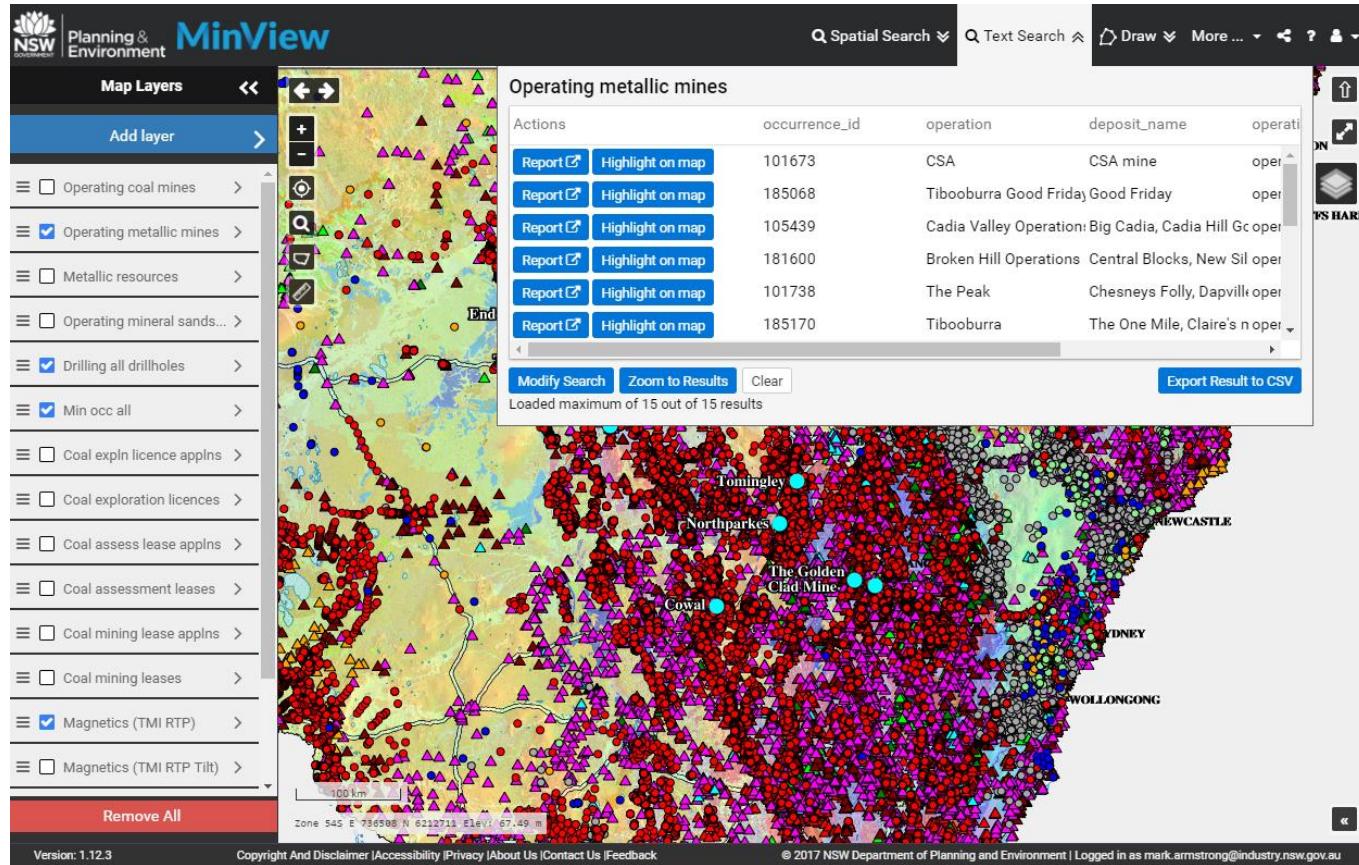
Also has

- 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
deposit_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

NSW Department of Industry Resources & Energy MinView

Map Layers

- 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
- Geophys govt gravity sur...

Add layer

5 km

Zone 54S E 526168 N 6452470 Elev: 324.4 m

Copyright | Disclaimer | Accessibility | Privacy

© 2017 NSW Department of Planning and Environment

3D 2D

Digital Globe Imagery

NSW Imagery

NSW Base Map

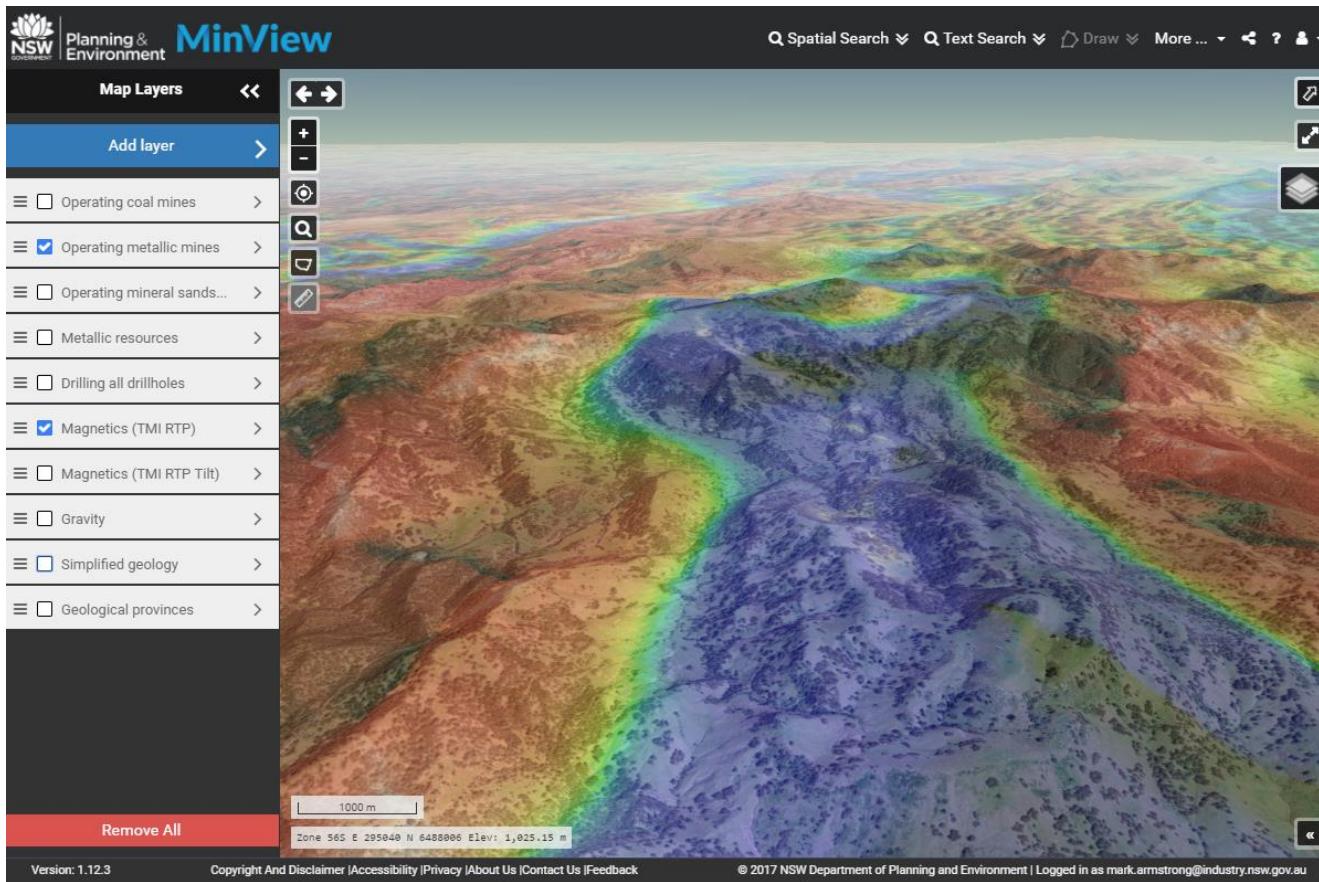
NSW Geology

Opacity 100



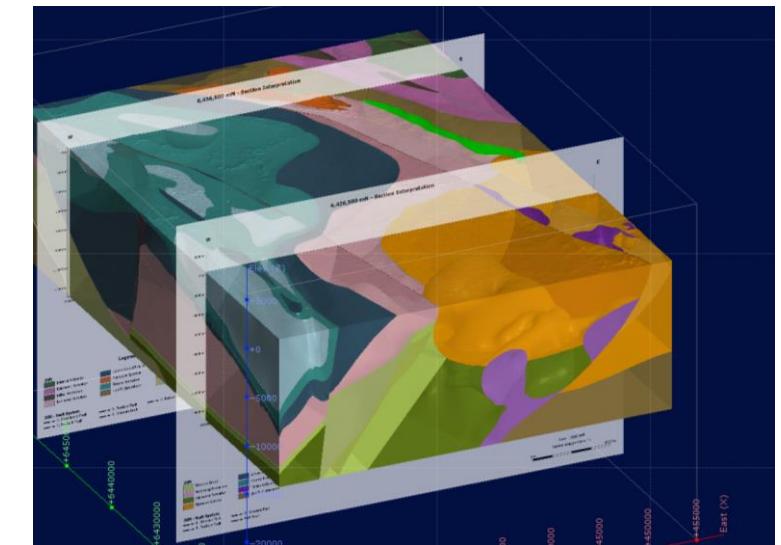
Digital Globe Maps API : Curated satellite imagery layer, 30-60cm, supplemented cloud-free Landsat 8

3D viewing



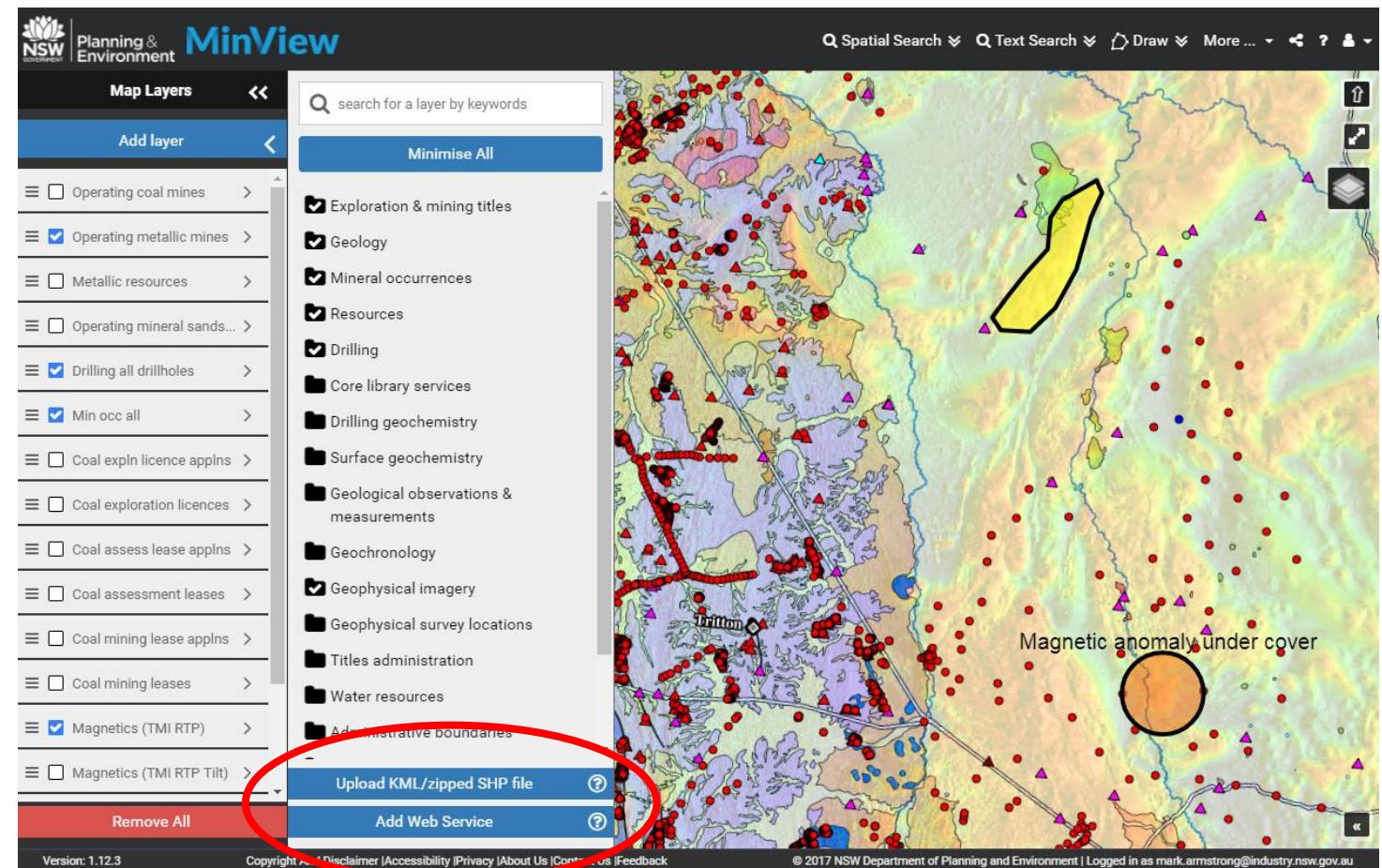
Watch this space

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



Import data & annotate

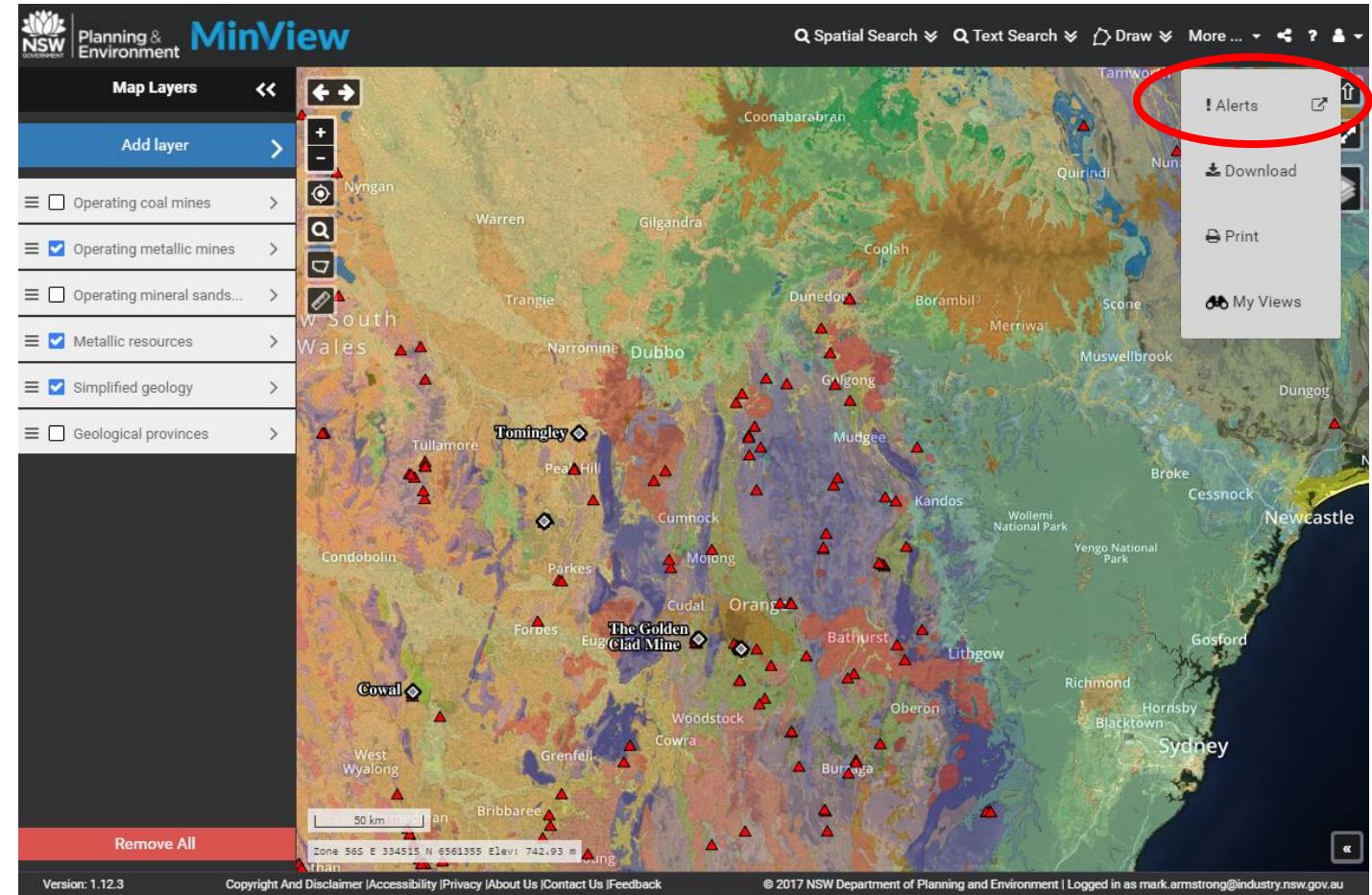
- Import KML or shapefiles
 - Confidential drillholes
 - Geophysical survey lines
 - Geological interpretations
 - Prospective areas
 - Proposed drill locations
 - Possible access routes
 - Rehab areas
- Highlight key features
- Save view
- Share with colleagues



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

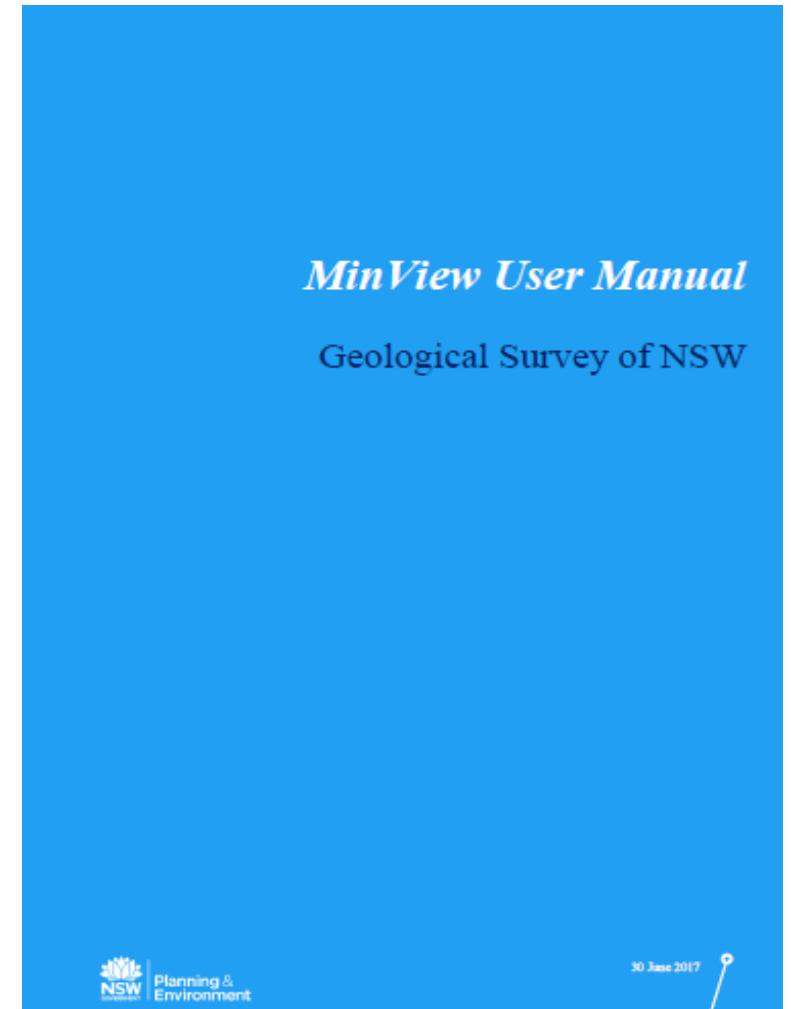
Phone: 02 4931 6598

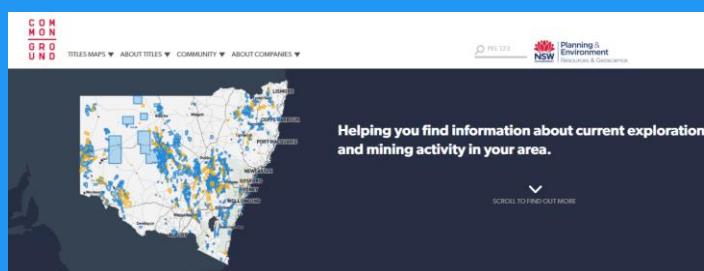
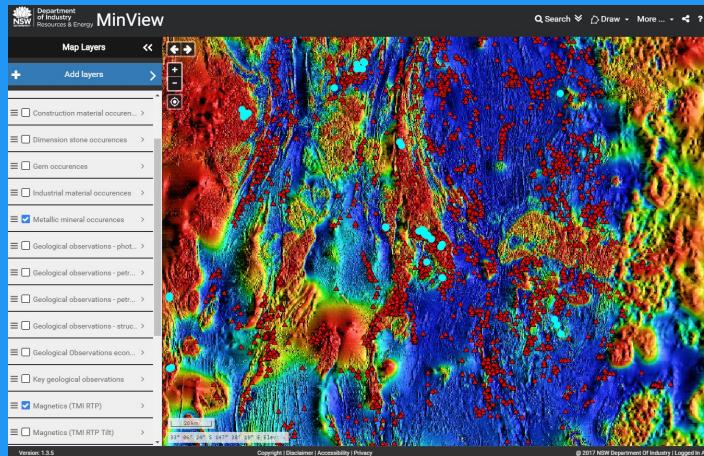
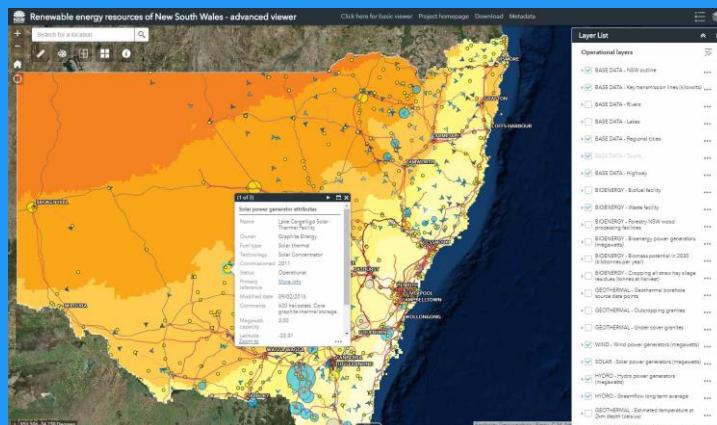
About MinView

<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>





Mark Armstrong

Mark.armstrong@industry.nsw.gov.au

