

New datasets and functionality available in MinView



Geological Survey
of New South Wales



1875–2025

Includes a live MinView demonstration

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MinView updates

NSW Seamless Geology

1

NSW Seamless Geology v2.5

New data

Geology upgrades

- Gunderbooka area
- Port Macquarie–Laurieton area
- Coolac Serpentine Belt/Gilmore Fault Zone
- Eden–Merimbula area
- Anderson Hill area

New sub-basaltic gravels and deep leads layer

- Initially data over the Gulgong area
- Historically prospective for alluvial gold and diamonds

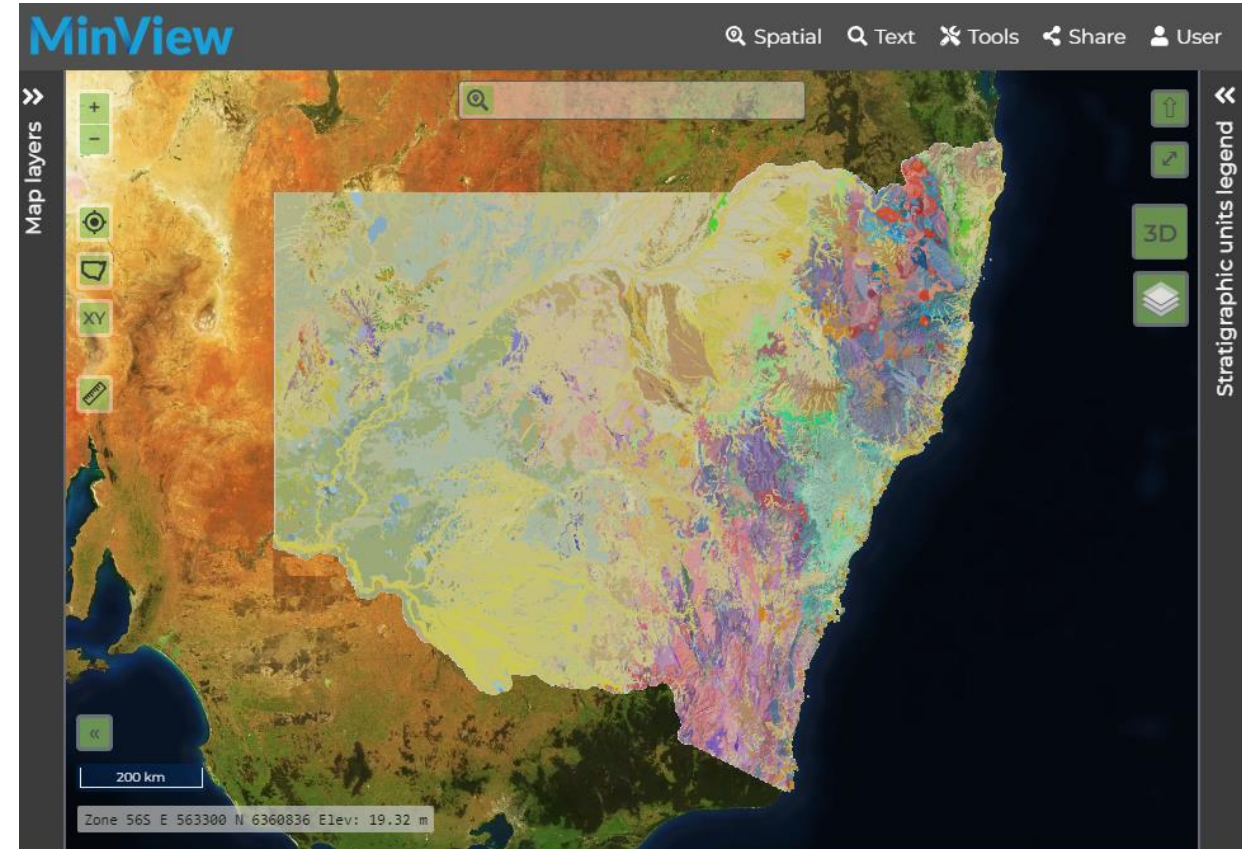
Stratigraphic unit changes, e.g.

- **Bunga beds** now formalised as **Bunga Fm**
- **Cheesemans Ck Fm** replaced by **Malachis Hill Fm**

Various attribution updates

New structural data (6,052)

1,126 structural readings plotting undercover revealed



MinView updates

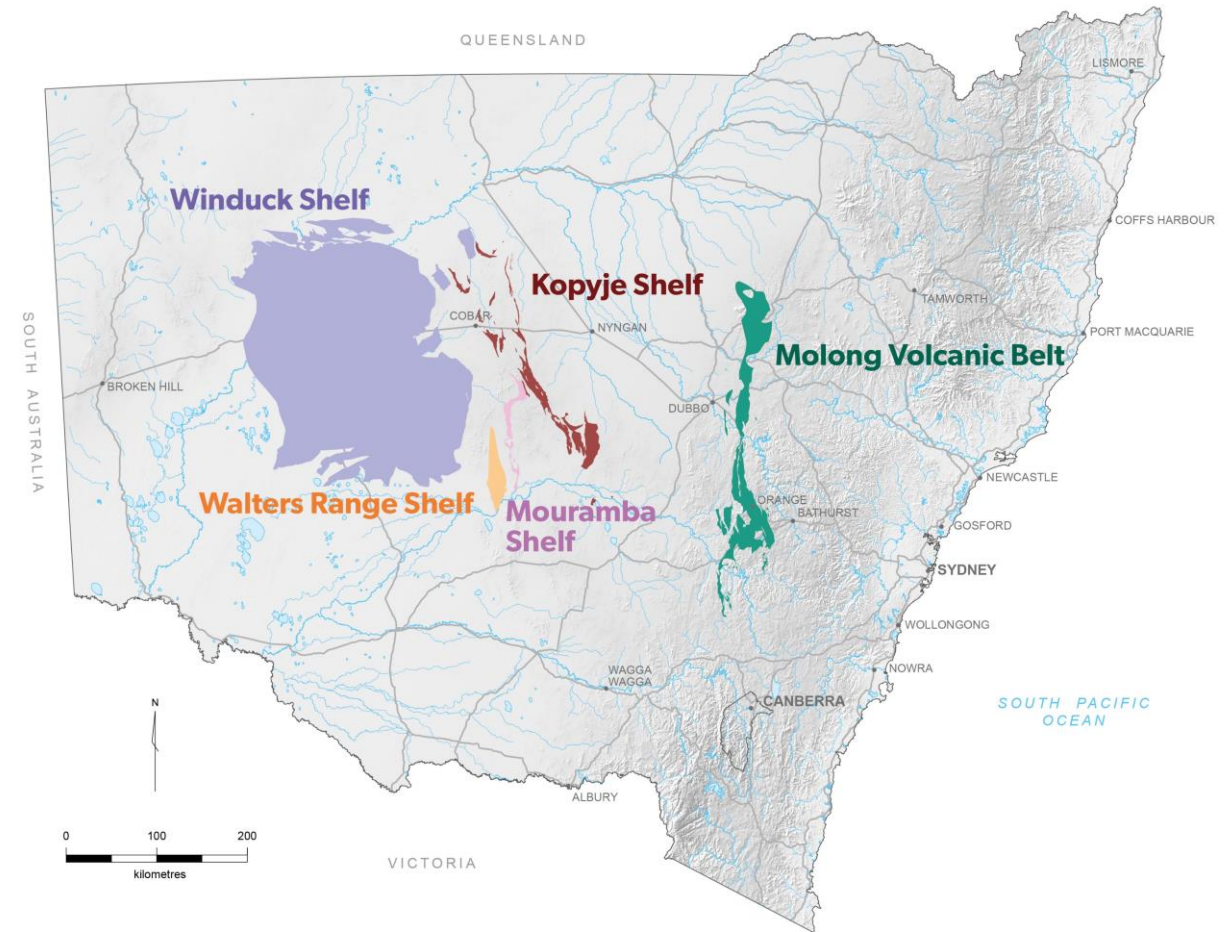
NSW Stratigraphic Unit Database

2

NSW Stratigraphic Unit Database

70 new stratigraphic unit tables added to MinView

- Rock units for parts of Cobar Supergroup/Macquarie Arc
- ~66,000 words compiled
 - equivalent to an explanatory notes publication!
- Quality data output
 - compiled/QA'd/QC'd/edited/finalised
 - expert input to economic geology where available
- ~211 unique references used to compile the data
 - comprehensive review of the literature
- New photos/figure integration in MinView!



Map layers

Stratigraphic unit

Dkof Florida Volcanics

Print Previous

Parent unit

Dko Kopyje Group

Constituent units

Dkofd Dicksons Road Dacite Member

Description

Rhyolitic and rhyodacitic lithic-crystal tuff and volcanic breccia, rhyolite lava, flow-foliated porphyritic dacite (S-type) and minor siltstone.

Age range

Early Devonian (423.0 - 419.2 Ma)

Nomenclature

Distribution and stratigraphic relationships

Distribution

Extends from Florida railway station (146.34077 -31.52627, GDA94 (GR 437300 6511700, AMG Zone 55; Canbelego 1:100,000 map sheet area)) southwards to 146.41557 -31.66869, GDA94 (GR 445000 6493900, AMG Zone 55; Canbelego 1:100,000 map sheet area) in a belt averaging 3 km in width, covering about 50 km².

Geomorphic and/or regolith expression

The Florida Volcanics forms a series of elongate tree-covered hills 60 m high, separated by areas of alluvium. With the exception of Buppe (on Mount Boppy; 146.28180 -31.54171, GDA94 (GR 431600 6509900, AMG Zone 55)), these hills are the highest in the Canbelego 1:100,000 map sheet area and are distinctive both in the field and on aerial photographs (Felton 1981).

Type section / locality / area

Due to facies variation and lack of structural data in the Florida Volcanics, Felton (1981) did not propose a type section. Instead, she presented a series of type localities that illustrate features of the unit:

Coarse rhyolitic crystal tuff: 146.33999 -31.53050, GDA94 (GR 437200 6511200, AMG Zone 55; Canbelego 1:100,000 map sheet area - freshly blasted outcrop near the Barrier Highway)

Volcanic breccia: 146.32210 -31.56983, GDA94 (GR 435400 6506900, AMG Zone 55; Canbelego 1:100,000 map sheet area - creek exposure)

Rhyolitic lithic crystal tuff: 146.39317 -31.62258, GDA94 (GR 442300 6501000, AMG Zone 55; Canbelego 1:100,000 map sheet area - creek exposure)

Bedded, water laid crystal lithic tuff showing loadcasting, truncated bedding, and crossbedding: 146.39913 -31.62309, GDA94 (GR 442900 6501000, AMG Zone 55; Canbelego 1:100,000 map sheet area - sloping outcrop surface 5 m x 7 m)

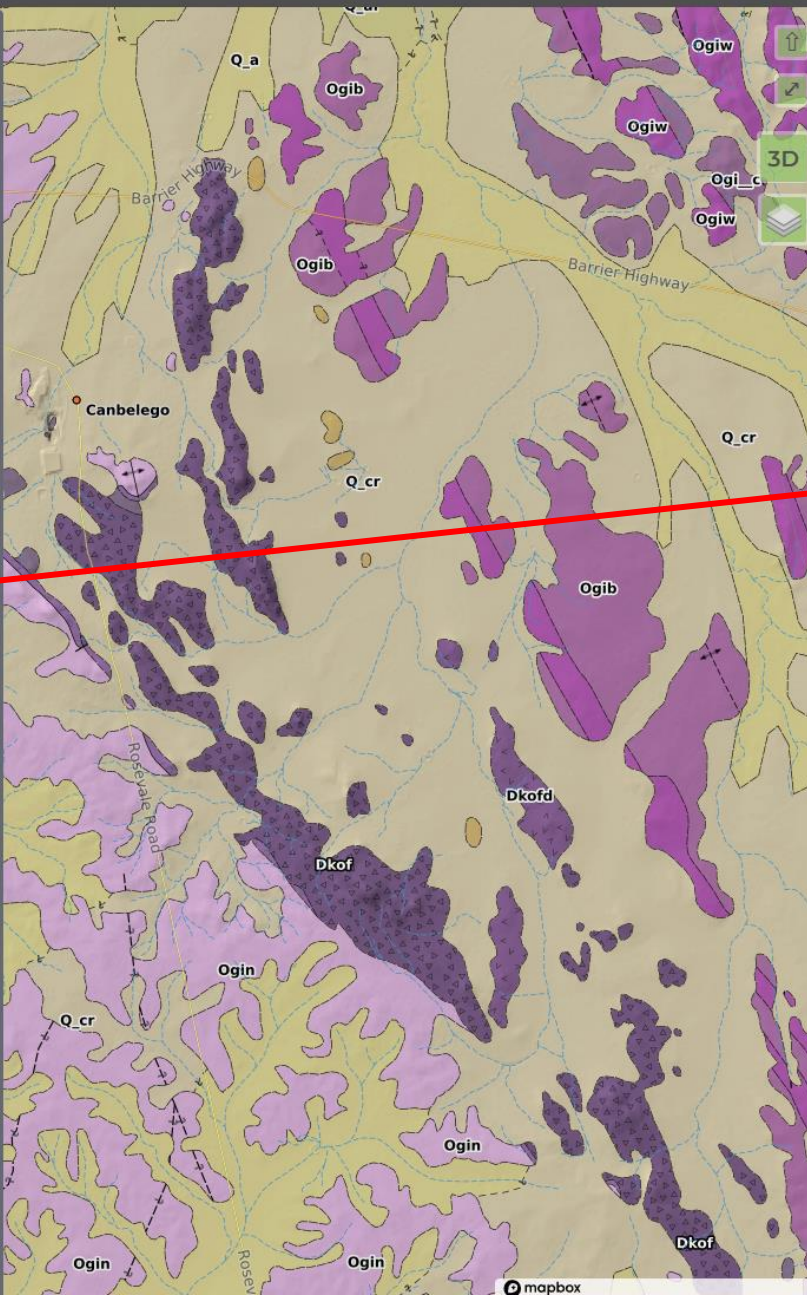
Rhyolite lava: 146.32092 -31.58708, GDA94 (GR 435400 6504900, AMG Zone 55; Canbelego 1:100 000 map sheet area).

Stratigraphic correlation

None recognised

Stratigraphic units legend

I	II	III	37 / 37
Phanerozoic 0 - 541 Ma			
Cenozoic (15) 0 - 66 Ma			
Palaeozoic 251.902 - 541 Ma			
Devonian 358.9 - 419.2 Ma			
Early Devonian 393.3 - 419.2 Ma			
Dc Cobar Supergroup			
Dko Kopyje Group			
Dkoa Baledmund Formation			
Dkoa_c Baledmund Formation - conglom...			
Dkoam Mount Boppy Conglomerate Me...			
Dkof Florida Volcanics i			
Dkofd Dicksons Road Dacite Member i			
Dkoe Meryula Formation			
Dkoe_l Lease Tuff Member			
Dkoe_c Meryula Formation - conglom...			
Ordovician 443.8 - 485.4 Ma			
Oa Lachlan Supergroup			
Ogi Girilambone Group			
Ogib Ballast Formation			
Ogi_c Girilambone Group - chert			
Ogin Narrama Formation			
Ogiw Whinell Chert			



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Future plans in 2025

Cobar Supergroup

- Remaining units in the Cobar Basin, Kopyje Shelf and Winduck Shelf

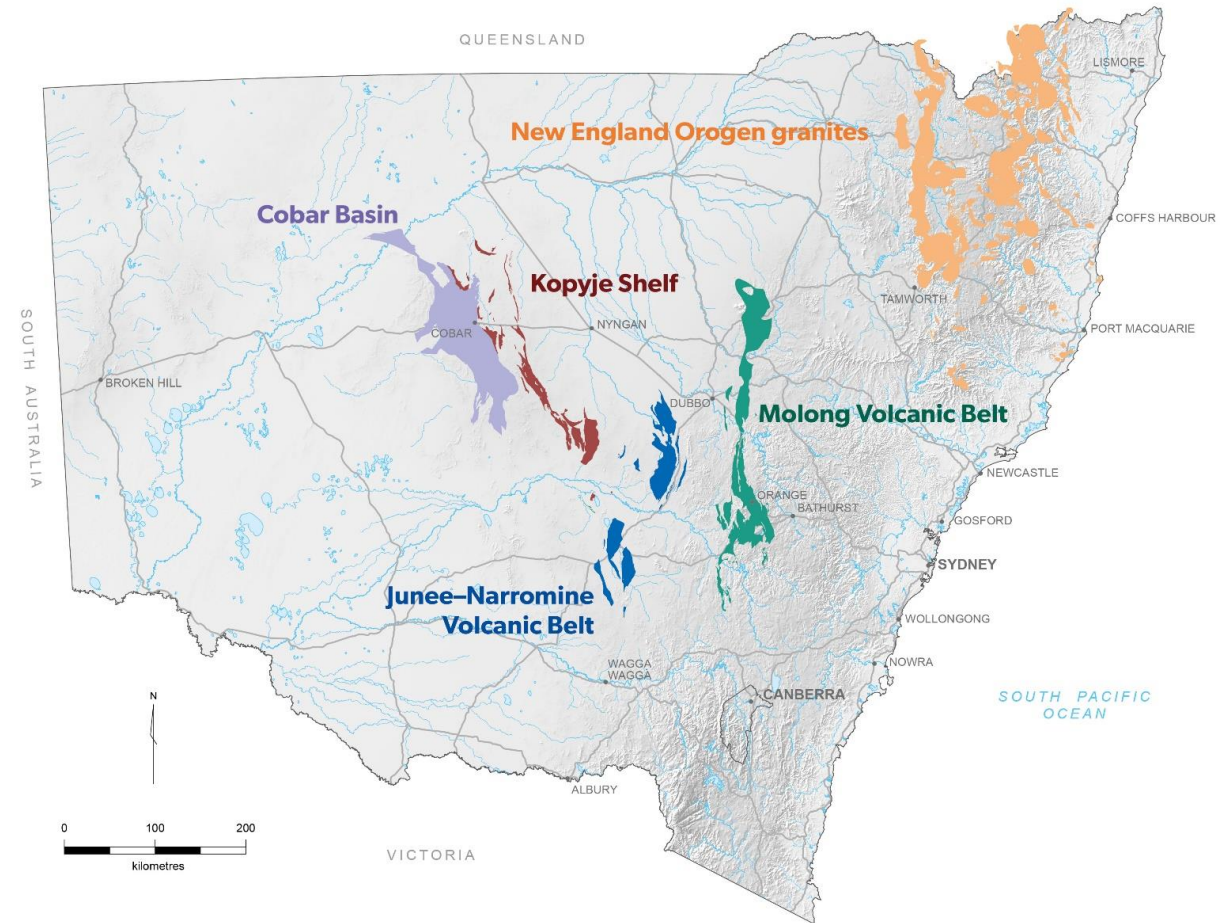
Macquarie Arc

- Select units within the Molong Volcanic Belt (Cadia Intrusive Complex and surrounding intrusions)
- Select units within the Junee–Narromine Volcanic Belt (Lake Cowal Volcanic Complex)

New England Orogen granites

Further MinView enhancements

- Investigate linking to other data layers e.g. field observations, drillholes, fossils
- Hyperlinking intext citations to reference list



MinView updates

New datasets and functionality

3

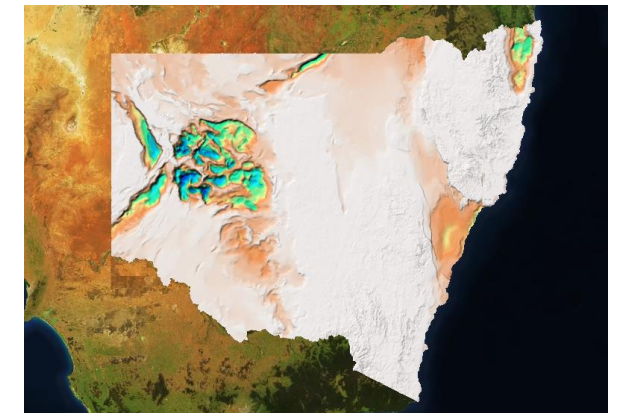
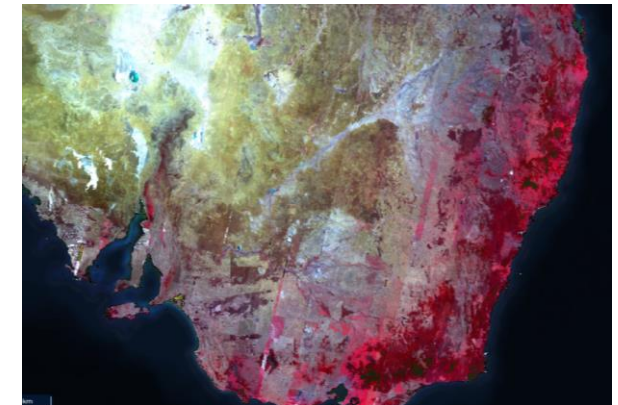
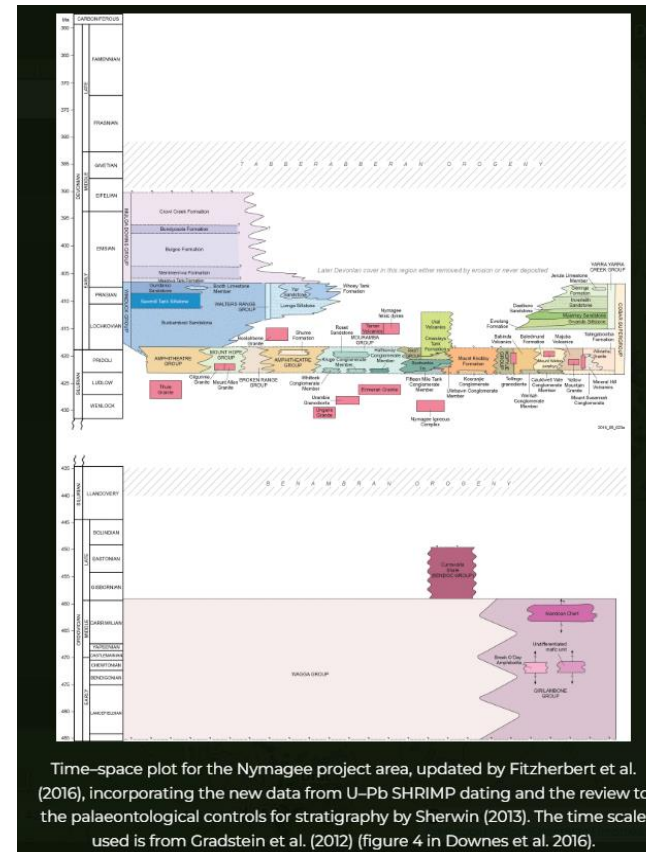
New datasets and functionality

New datasets

- 2024 statewide airborne/ground gravity merges
- Company geophysics now includes 50% more data (1,000 surveys!)
- 2025 statewide radiometric merges
- Central NSW high resolution 10 m updated merges
- ASTER satellite imagery via GA web services
- SEEBASE depth to basement and thickness of sediment layers
- Additional HyLogger info sheets and CSV raw data for NVCL drillholes

New functionality

- Photos and figure integration with stratigraphic information
- Seamless geology zoom to extent feature (coming soon)



<https://minview.geoscience.nsw.gov.au/>

Live MinView demonstration

4

Thank you



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