

Thursday 28 November 2019

Raising the profile – GSNSW highlights of 2019

Chris Yeats, Executive Director Geological Survey of NSW

Following the launch of the NSW Minerals Strategy in February and the State Election the next month, the Division of Resources and Geoscience moved into the Regions, Industry, Agriculture and Resources Group of the newly-created Department of Planning, Industry and Environment on July, 2019. This new structure, combined with the vocal support of the Deputy Premier for the mineral industry in NSW, has allowed GSNSW to proactively engage in investment attraction and openly promote its programs that support the industry, such as round 3 of Cooperative Drilling, which was launched in late October, and the MinEx CRC.

This presentation will briefly summarise the main activities of GSNSW over the past year, with particular focus on the 6 months that have passed since *Exploration in the Rocks* in May.

New mineralisation windows in East Riverina

Phil Gilmore, Acting Director Geoscience Acquisition and Synthesis

The East Riverina Mapping Project has been a major field-based project by the Geological Survey of New South Wales (GSNSW) from 2014 to 2018. The aim of the project was to update geoscientific information throughout the area to aid mineral exploration and to enable informed regional land-use decisions. The work has improved our understanding of the geodynamic history of the southern central Lachlan Orogen, with implications along strike to the north towards Cobar and south into Victoria.

This presentation will focus on new windows for mineralisation identified by the project, including early Silurian epithermal and porphyry systems, early Devonian intrusion-related systems and Middle Devonian structurally controlled gold.

Mineral potential of the east Lachlan Orogen revealed

Phil Blevin, Manager Mineral Systems

The east Lachlan Orogen Mineral Potential Study has been completed and is available for download. Mineral systems targeted during the study were world-class porphyry Cu–Au systems and volcanic-associated massive sulfide deposits as well as polymetallic skarns and orogenic Au mineralisation. The east Lachlan Orogen project has also generated new and improved pre-competitive datasets covering seamless mapping, geochemistry, metamorphism radiometric ages, fault attribution and geophysics.

This presentation will provide a summary of the results of this work and its implications for mineral exploration in this highly prospective terrane.

What's new in MinView?

John Greenfield, Acting Director Geoscience Information

MinView is a public map viewer and data portal, provided by GSNSW to deliver free access to view, search and download a comprehensive range of geoscientific data for NSW. The rebuilt MinView portal was launched in mid-2017 and has been frequently upgraded since its release, with Version 1.21.2 the most recent update. This presentation will demonstrate some of the enhanced features of the portal, including a better map printing service, quick title searches, and improved useability on mobile platforms, as well as highlighting recently added datasets, such as government geotechnical reports, company geophysical data and mineral potential mapping.