

## The Geoscientific Data Warehouse: the one-stop shop for online geological data in NSW

The Geoscientific Data Warehouse provides on demand access to validated, non-confidential, corporate geological data stored by the Geological Survey from a single spatial-based interface. It simplifies the discovery and accessibility of geoscientific information to aid mineral and energy exploration, inform land use decision making, and enhance ongoing geoscientific-research in NSW.

Data is discoverable through display in Google Earth. Current data sets available include exploration drilling and downhole data (e.g. assay), surface exploration geochemistry, metallic and industrial deposits, geochronology, photos, and field observations including structural, petrological, petrophysical and lithological information from Division staff. These data may be displayed with satellite imagery, georeferenced geological maps and geophysical imagery, using Google Earth's tilt and transparency capabilities. Exploration titles are also available for focus on an area of interest, with links to DIGS.

Data may be constrained by spatial or attribute searches. Data can be downloaded from the website in Google Earth, ArcGIS, MapInfo and text file formats for either statewide or search-constrained data.

Sitting behind the warehouse is a comprehensive relational data management system for geoscientific data, with compilation and migration of highest integrity data into the system. Data is replicated daily from the system into the GDW. The GDW is dynamic with ongoing data input and enhancements – with new data added daily.

