



Geological Survey of Western Australia Division

The Geological Survey of Western Australia division conducts a work program designed to promote the development and exploration of the State by providing geoscientific information to mineral and petroleum explorers.

Role of the Geological Survey

The Geological Survey creates and maintains an up-to-date geological framework and an archive of the State's mineral and petroleum resources to attract investment in exploration and to provide advice on land use.

The division acquires, analyses and publishes reports, maps and state-of-the-art geoscience databases for the benefit of the Western Australian community. This information is used by investors, explorers, miners and prospectors. It is also used in formulating government policy and in decision-making processes, particularly on economic and land-use issues.

Working with State and Federal agencies, the Geological Survey also takes a leading role in the development of national standards for geoscience databases and information delivery.

Geoscience products

The Geological Survey produces maps, books and digital datasets on the geology of Western Australia which

are available to industry and the community. All recent publications and most archival maps and books are available online. Digital datasets are accessible online or on digital media.

Maps and images: State-wide, geological, regolith geochemical, and geophysical maps are available. All geological maps published since 1992 are available in digital form.

Books: Geological Survey books are published in various categories such as Memoirs, Bulletins, Reports, Explanatory Notes, Records, Annual Reviews (with technical papers) and miscellaneous items.

Digital datasets: These datasets include geological, geophysical, geochemical, geochronological, minerals, and petroleum information.

Online interactive geoscience databases include:

- GeoVIEW.WA - an interactive (GIS-based) mapping system that allows users to construct geological maps.
- WAMEX – provides information on mineral exploration.
- WAPIMS – provides information on petroleum exploration.
- MINEDEX – a database of Western Australian mines and mineral deposits.
- MAGIX – register of airborne geophysical information.



Geological Survey activities

The Geological Survey of Western Australia has offices located in Perth and Kalgoorlie and carries out a wide range of activities, including field studies throughout WA.

Office activities include generating new maps and reports based on regional geological, geochemical and geophysical data and samples collected in the field.

In the Perth and Kalgoorlie offices, mineral and petroleum exploration information is collated and maintained in various geological databases. This information is assessed and combined with other available sources of data such as statutory exploration company reports, and samples from available mineral and petroleum drill holes to produce regional geoscientific maps, reports and digital products. It is also used to provide policy advice for government decision-making, including urban planning and land-use matters.

The Geological Survey has two purpose-built facilities for the secure archive and display of drill core and other materials acquired during mineral and petroleum exploration programs in the State. This material can be readily accessed for study purposes on request.

More information

For more information please visit our website www.dmp.wa.gov.au/GSWA or contact:

Dr Rick Rogerson

Executive Director

Geological Survey of Western Australia

Department of Mines and Petroleum

Mineral House, 100 Plain Street

East Perth, Western Australia 6004

Tel: +61 8 9222 3170

Email: rick.rogerson@dmp.wa.gov.au

Did you know?

- The Geological Survey has been gathering, synthesizing, and publishing information on the State's geology, and mineral and petroleum resources since 1880.
- A 1:1 million scale map that seamlessly links the whole of Australia has been produced by Geoscience Australia, with the help of GSWA and other State and Territory Geological Surveys. This milestone project allows mineral and petroleum explorers an unprecedented understanding of the country's regional geology.
- *Fieldnotes* is a quarterly publication released by the Geological Survey to provide the State's exploration industry and other geoscientists with an update on its latest activities, product releases and ongoing programs.