

Smart exploration starts with Western Australia's rich data endowment: MINEDEX, WAMEX and WAPIMS databases

by

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***'Where there is Data Smoke,
there is Business Fire.'***

– **Thomas C. Redman**, Data Driven: Profiting from
Your Most Important Business Asset

An essential role of the Geological Survey of Western Australia is to be custodians of data acquired throughout the history of mineral and petroleum mining and exploration in Western Australia. Equally as important is providing this data to our customers to kickstart new exploration. Our key databases allow explorers and researchers alike to easily access this information. The Mines and Mineral Deposits (MINEDEX), Mineral Exploration Reports (WAMEX) and Western Australian Petroleum Information Management System (WAPIMS) databases provide access anywhere, anytime to Western Australia's past and present mining and exploration data.

MINEDEX provides detailed spatial and textual information on over 42 500 Western Australian mines, mineral occurrences and mining infrastructure. Available data include site locations, project structure, owners and operators, commodities, resource estimates and production data, basic geological information and mineralization styles. Users can also access environmental registration documents (for example, mining proposals) related to projects and the Inventory of Abandoned Mine Sites. MINEDEX also offers comprehensive searching and data export options, compatibility with mobile devices, and accessibility for users with disabilities.

WAMEX stores over 93 000 detailed reports on prior exploration in Western Australia. Mineral explorers are required to report annually on their exploration projects under Western Australian legislation. After a period of confidentiality, these exploration reports and data are made available to the public. The reports and related raw data, such as drilling data, geochemistry results, geophysical data, 3D models and ore resource calculations, are stored as searchable PDF files and are searchable and downloadable via our free GIS mapping tool GeoVIEW.WA.

WAPIMS stores information on petroleum exploration completed in Western Australia submitted to the department in accordance with the *Petroleum and Geothermal Energy Resources Act 1967 (WA)* and the *Petroleum (Submerged Lands) Act 1982 (WA)*. Datasets include well reports, logs and samples, seismic surveys, field and processed data, survey reports, observer's logs, annual assessment title reports and sample analyses. WAPIMS also contains pre-competitive data extracted from reports, including biostratigraphy, formation tops and porosity. WAPIMS allows data downloads and provides order forms for large datasets. Data is discovered using inbuilt spatial and textual searching.

All three databases are free to use online without registration. Start your exploration by discovering what our comprehensive databases have to offer. We welcome feedback and are happy to assist you in your search.

For more information, contact:

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WAMEX: wamex.enquiries@dmirs.wa.gov.au