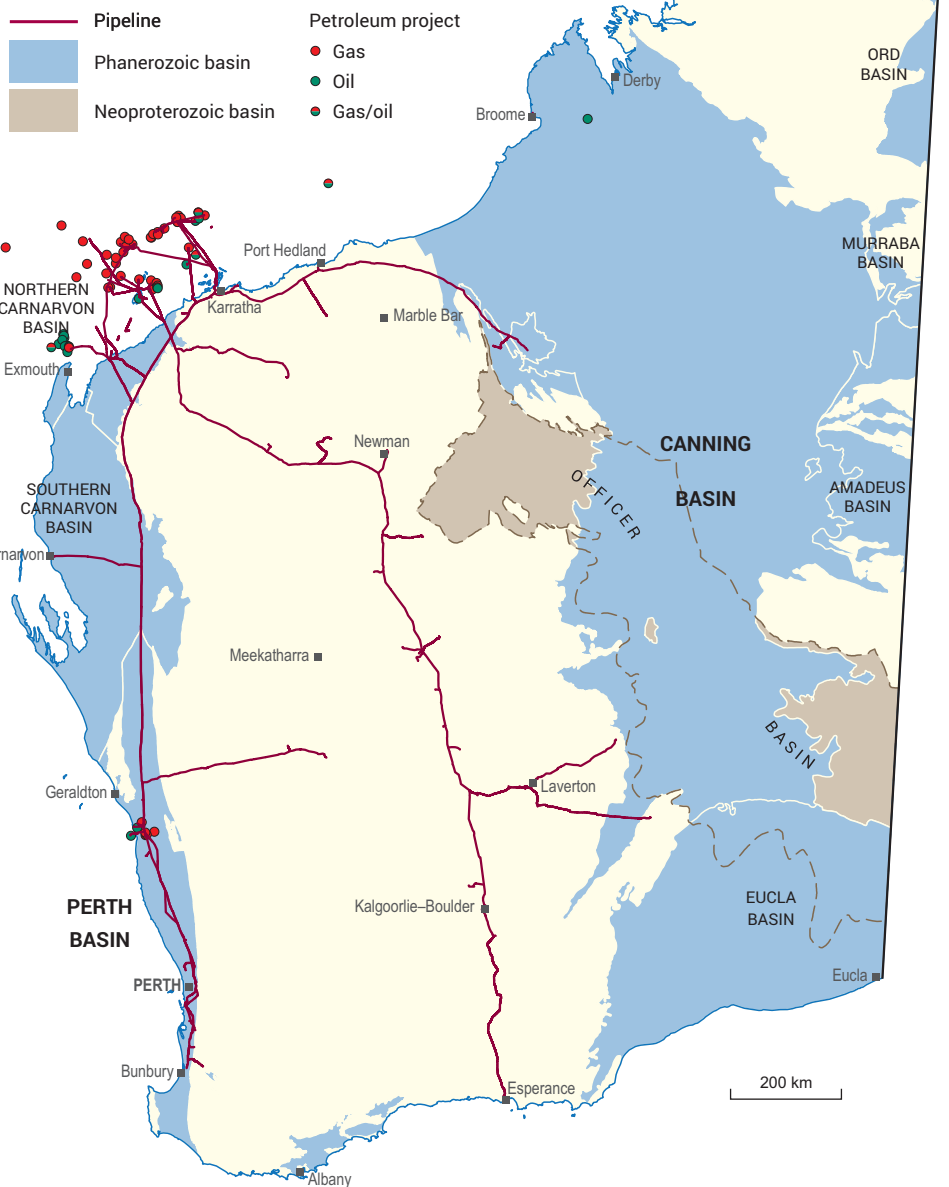


PETROLEUM

INVESTMENT OPPORTUNITIES

WORLD-CLASS RESOURCE PROVINCE | SECURE INVESTMENT LOCATION
WORLD-LEADING GEOSCIENTIFIC DATA | LOCAL PETROLEUM SERVICES INDUSTRY

Hydrocarbons have been found in five of Western Australia's major sedimentary basins: the Northern Carnarvon, Perth, Canning, Browse and Bonaparte Basins.



Exciting onshore potential

Petroleum plays have been identified in the Mesozoic, Paleozoic and Neoproterozoic basins, some of which are proven to contain commercial discoveries. There remains significant potential for large discoveries within Western Australia due to the largely underexplored onshore basins and the presence of potential thick evaporite seals in the Canning and Officer Basins.

Perth Basin

Australia's biggest conventional onshore gas discovery was made in more than 40 years, while deepening the Senecio 3 appraisal well. Now called the Waitsia Gas Field, this 2014 discovery proved up a new play fairway in lower Permian reservoirs which has led to further recent exploration success in the basin including gas flows of over 90 million standard cubic feet per day (MMSCFD).

Canning Basin

A new carbonate play was discovered by the exploration well Ungani 1. In 2011 a DST in the well flowed 37° API oil at rates up to 1647 bpd on a 32/64 inch choke from Devonian–Carboniferous dolomite.

In March 2022, a gas flow between 4 and 5 MMSCFD was obtained from the same dolomite formation in Rafael 1. This is the first sustained gas flow from conventional reservoirs in the Canning Basin.

'The best remaining frontier prospects lie in older basins with a high preservation potential such as intracratonic basins with evaporite seals.'
 Duncan S Macgregor, British Petroleum, 1996.

Go to:

www.dmirs.wa.gov.au/petroleumsuccesses

Cumulative hydrocarbon production from Western Australian onshore and State Waters fields 1984–2021

Oil	99 767 271 kL	627.52 MMbbl
Condensate	2 252 526 kL	14.17 MMbbl
Gas	50 299 832 km ³	1776.32 Bcf



Government of Western Australia
 Department of Mines, Industry Regulation and Safety

July 2022

Geological Survey of
 Western Australia



Destination of choice

Western Australia is an attractive location for exploration due to:

- Exploration success, growth in onshore reserves, a skilled workforce, and a favourable low-risk business environment
- Room for new entrants. Much of the State remains sparsely explored and there is room for large discoveries and new plays. New commercial discoveries have been found in the Perth and Canning Basins
- Western Australia is a resource-rich State with a significant role in the global resources industry. The State's gas pipeline network has grown significantly to service mining customers

Go to: www.dmirs.wa.gov.au/investinginwa

Acreeage release

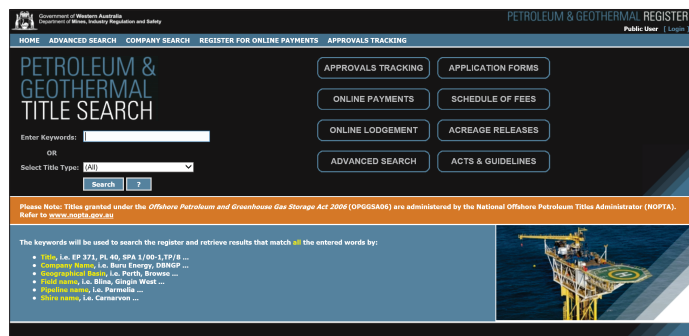
For Western Australian onshore and State Waters areas, precise release area configurations are identified and an invitation to apply for a permit is published in the *Government Gazette*. Permits are awarded based on an assessment of competitive work programs.

Go to: www.dmirs.wa.gov.au/acreeage_release

Titles information

The Petroleum and Geothermal Register (PGR) provides information relating to petroleum and geothermal titles, and allows for online lodgement of applications and payment of fees.

Go to: www.dmirs.wa.gov.au/pgr



For more information, visit:

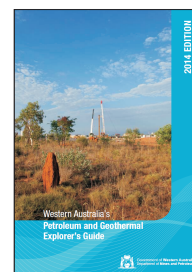
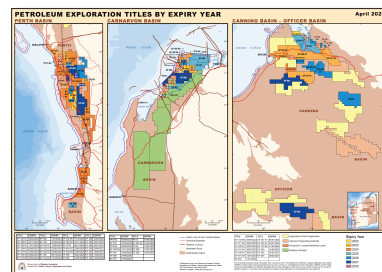
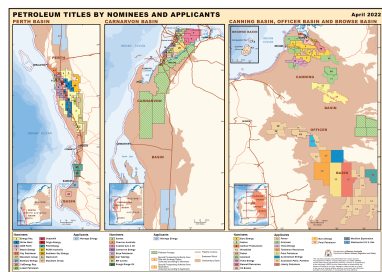
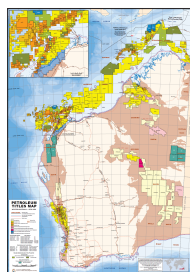
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www.dmirs.wa.gov.au/pgr

Contact us

Energy Geoscience and Carbon Strategy
Geological Survey and Resource Strategy Division
Email: basinenergy.geoscience@dmirs.wa.gov.au

Geoscience information

The Geological Survey of Western Australia (GSWA) publishes geoscientific maps, data packages, reports, and other online products. Much of this information can be obtained as a free download. Also accessible are physical assets such as cores, cuttings, thin sections and a world-leading State fossil collection.

Data and Software Centre

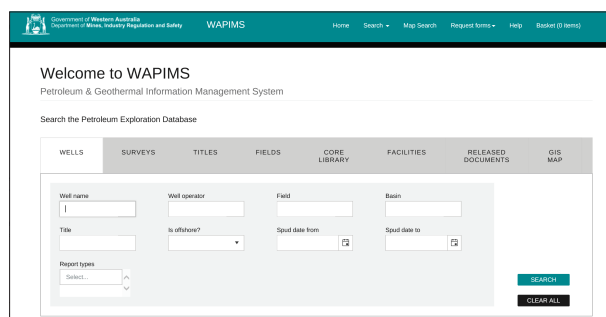
A facility that allows the downloading of spatial datasets relating to geoscience information.

Go to: <https://dasc.dmirs.wa.gov.au>

Western Australian Petroleum and Geothermal Information Management System (WAPIMS)

An online petroleum exploration database with large archives of exploration results from company titleholders. WAPIMS contains data such as wells, geophysical data and the core library database.

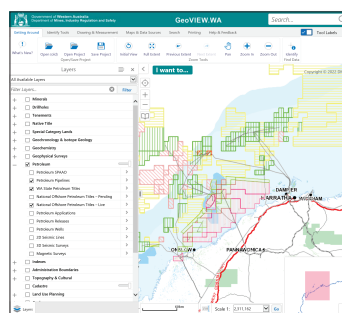
Go to: www.dmirs.wa.gov.au/wapims



GeoVIEW.WA

An online interactive mapping system, that includes geology, wells, seismic lines and infrastructure.

Go to: www.dmirs.wa.gov.au/geoview



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