

WESTERN AUSTRALIA



World's #1 diversified mining and energy province

- LNG, iron ore, gold, bauxite, nickel, battery metals, heavy mineral sands, etc.

Capital city Perth

- Centre for scientific and technological innovation.
- Has Australia's largest concentration of global oil & gas companies and oil service companies.
- Hosts the Australasian Oil and Gas Conference which showcases engineering products and services.



Jeff Haworth
Executive Director
Geological Survey and
Resource Strategy

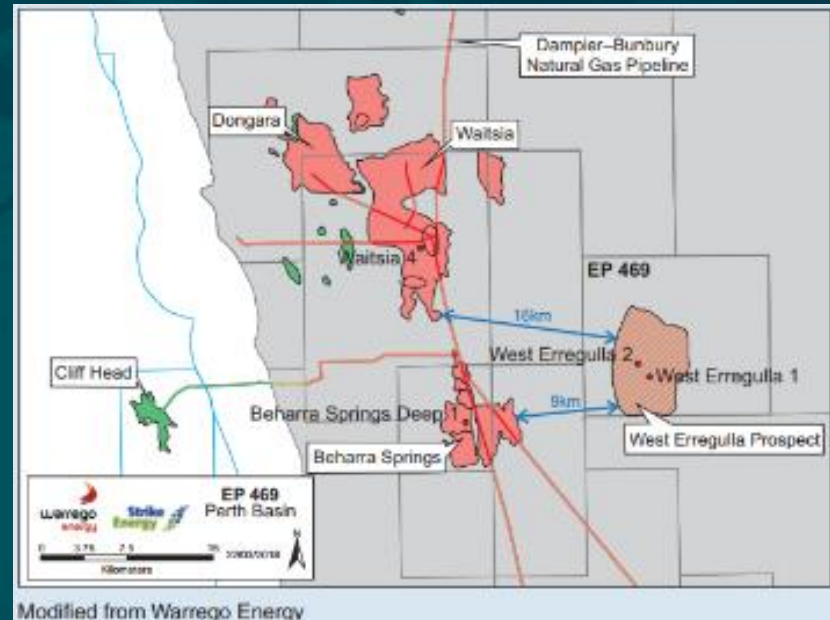
WA Department of Mines, Industry Regulation and Safety at AACC 2021

Onshore new play successes – northern Perth Basin



Deeper Permian sandstone play

- Waitsia – “accidental” discovery in 2014. Biggest WA onshore gas field, record flow 90 MMSCFD (AWE, now Mitsui).
- West Erregulla 2 – follow up gas discovery Aug-Sep 2019; flowed 69 MMSCFD (Strike Energy). At 5100 m is Australia’s deepest well and with deepest hydrocarbons. UREA plant proposal for Geraldton
- Beharra Springs Deep 1 – another follow up gas discovery announced in October 2019. December 2019 flow announced of up to 46 MMSCD (Beach Energy).



Onshore new play success – Canning Basin



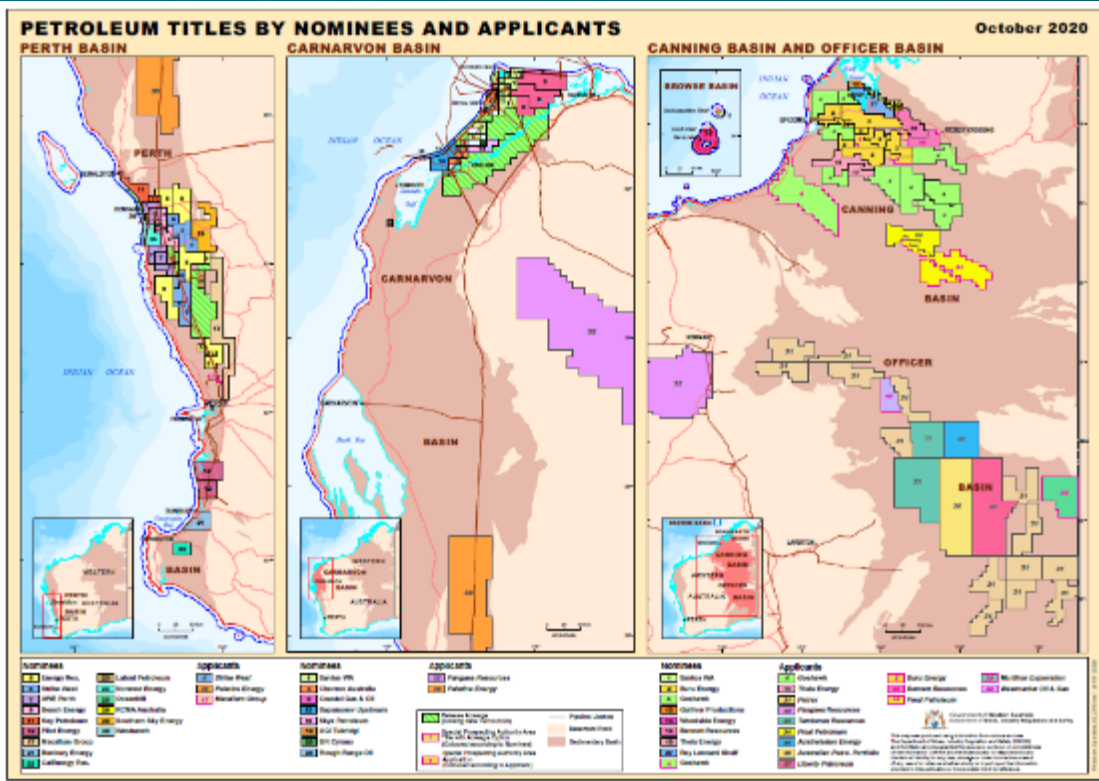
Another case of serendipity

- Ungani Oilfield is a high quality conventional oilfield.
- Pre-drill Ungani 1 was a gas in sandstone prospect. However, in 2011, 37° API oil flowed up to 1647 bpd from Devonian-Carboniferous dolomite.
- Oil has been delivered by road tanker to the northern Australian port of Wyndham for export to Southeast Asian refineries.
(Source: www.buruenergy.com)
- Tight sand play – Black Mountain Oil and Gas (Bennett Resources)
Asgard-Valhalla ~74TCF



Farmin potential

<https://www.dmp.wa.gov.au/Documents/Petroleum/PD-SBD-GEO-104D.pdf>



Decommissioning



- Addressing a Global Issue
- Decommissioning Offshore Infrastructure – Cooperative Research Centre (DOI-CRC)
- Benefits to Partners of the DOI-CRC
- A Globally Significant Industry Hub
- Industry Decommissioning Expertise
- Research and Development Investment



WESTERN AUSTRALIA'S OFFSHORE ASSET DECOMMISSIONING CAPABILITIES

The Western Australian Government identifies petroleum decommissioning as an essential operation that requires cooperative, scientific research and technical innovation to deliver a successful solution to decommissioning management. This expertise and capability is largely available in Western Australia and accessible for decommissioning infrastructure in South East Asia.

Addressing a Global Issue
Decommissioning of offshore oil and gas infrastructure is an emerging global issue. West Australian estimates that in the Asia-Pacific region alone, 200 petroleum producing fields will cease production in the next 10 years, resulting in extensive complications for operators. Western Australia is approaching decommissioning in the region with an integrated response from Government, industry and research partners.

Decommissioning Offshore Infrastructure – Cooperative Research Centre
In Western Australia, a large number of producing petroleum assets are set to cease production in the next 10 years. The Western Australian Government has identified decommissioning as an essential operation requiring cooperative, scientific research and technical innovation. The key to this support of the Decommissioning Offshore Infrastructure – Cooperative Research Centre (DOI-CRC).

Benefits to Partners of the DOI-CRC
The DOI-CRC aims to deliver innovative and holistic solutions offshore decommissioning solutions. It will position Western Australia as a regional and global leader.

Being a partner will bring you and your organisation:

- representation and priority for your needs
- additional capabilities from shared research output
- access to a network of industry leading organisations and government bodies
- knowledge from leading edge developments in decommissioning
- additional research capacity that will support your organisation
- access to globally recognised capability

The Government of Western Australia recognises that our ability to manage the complexity and expertise involved in decommissioning the large number of offshore assets in South East Asia will be a critical asset to come and be a part of the solution to decommissioning management.

Further Information



DMIRS website for:

- Prospectivity and acreage
- Petroleum data – free to download
- Explorer's guide
- Titles register & titles maps
- Various other books, commodity flyers and maps

www.dmirs.wa.gov.au

Email petroleum.acreage@dmirs.wa.gov.au

