# 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.

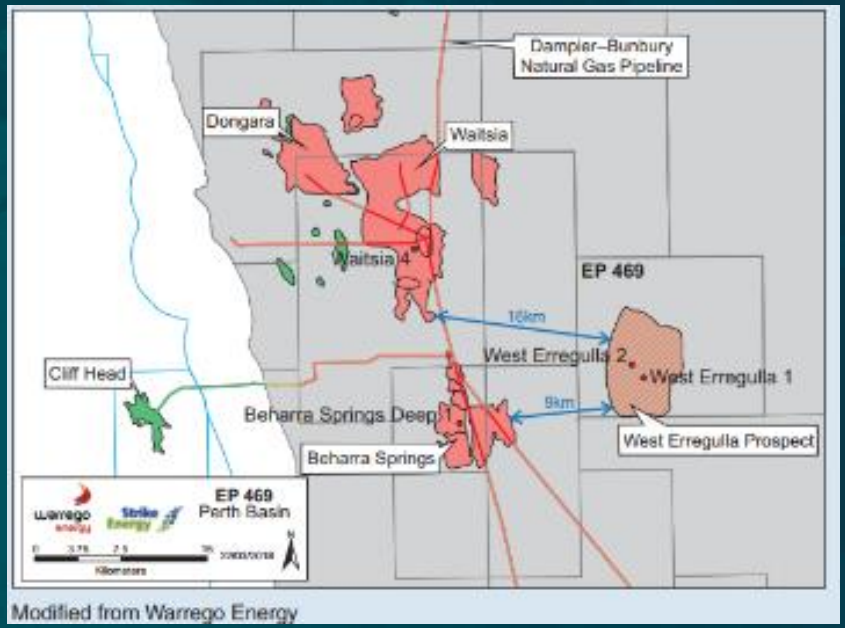
Jeff Haworth
Executive Director
Geological Survey and Resource Strategy

**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).




Modified from Warrego Energy

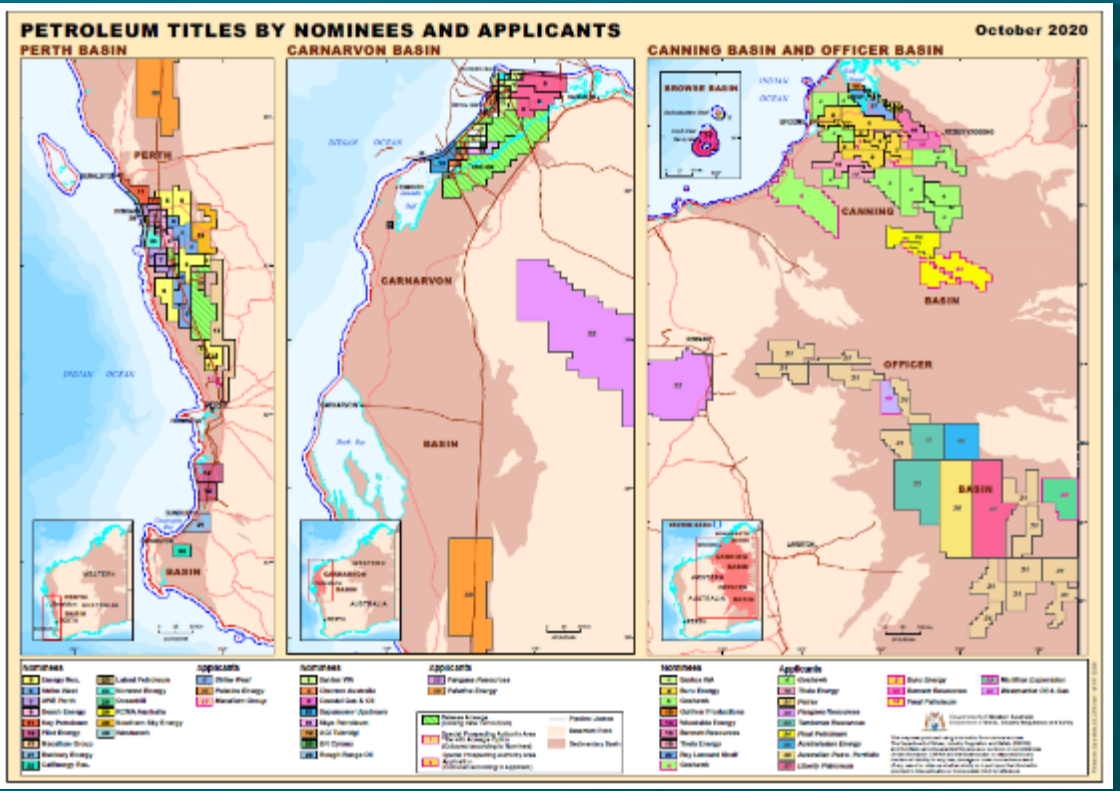
# Onshore new play success – Canning Basin

## 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



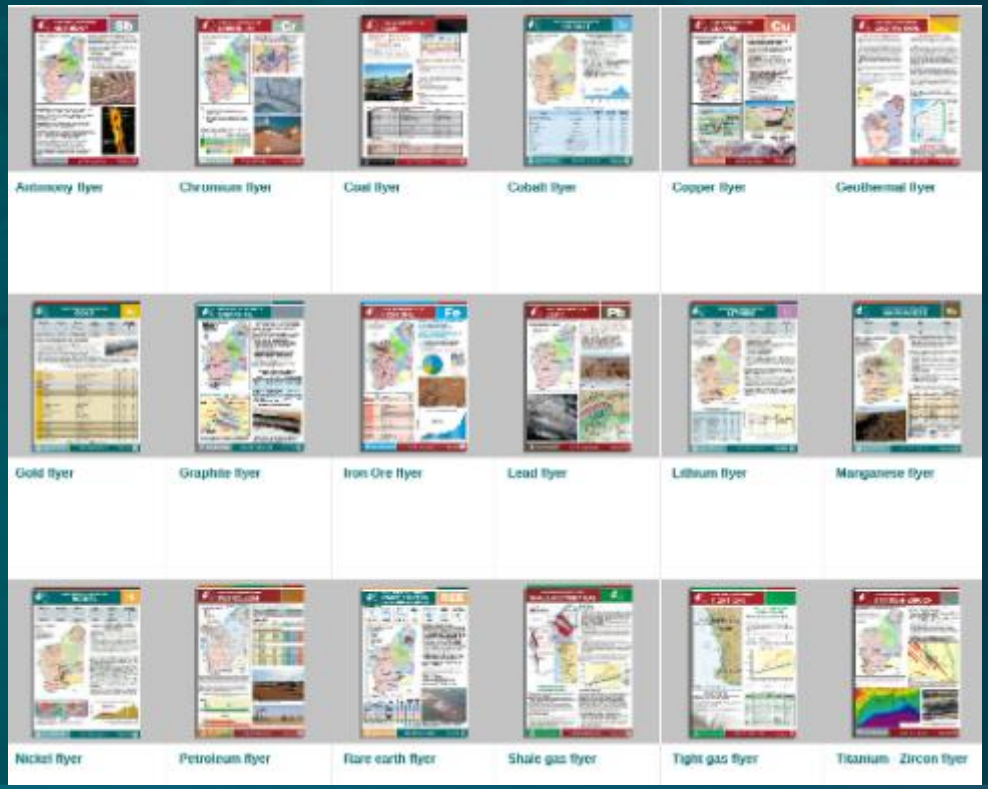
# Decommissioning

- 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

# 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**

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