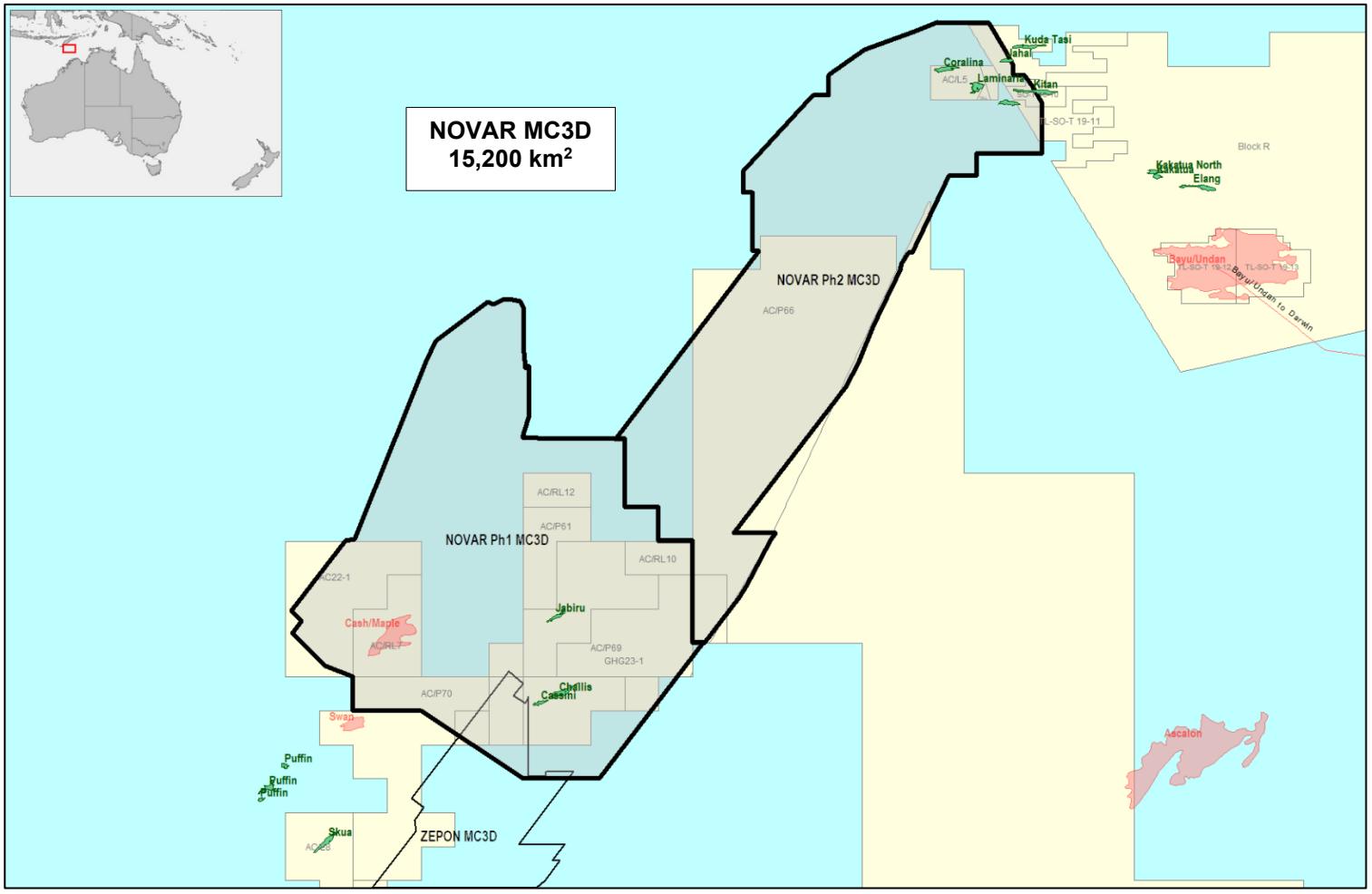
NOVAR MC3D

North Vulcan Sub-Basin Advanced 3D Reprocessing

MCR Multi-Client Resources



Project Overview

One seamless 3D seismic dataset.

Incorporates 10 legacy 3D surveys using DUG's Advanced Broadband PreSDM workflow with FWI imaging.

Located over an area that has:

- **Cash/Maple multi-TCF gas/condensate field development**
- **Many undeveloped discoveries**
- **Significant exploration upside potential**

NOVAR MC3D designed for:

- **Basin scale & prospect/field specific evaluations**
- **De-risking exploration & development**
- **Increasing Australia's oil and gas reserves**
- **Identifying proximal CCUS projects**

Deliverables

- **Image gathers after migration**
- **Full fold stacks & angle stacks in time & depth**
- **Migration velocity fields**
- **Final processing report**
- **Regional interpretation study**
- **QI Studies**

Sustainability

The NOVAR MC3D reprocessing project applied technology-neutral approaches to exploration data acquisition, creating more value from renewed seismic imaging for exploration and development of natural resources within producing basins. The multi-client business model allows multiple E&P companies to use the same data, thereby reducing the requirement for additional seismic surveying and significantly reducing impacts on the environment.

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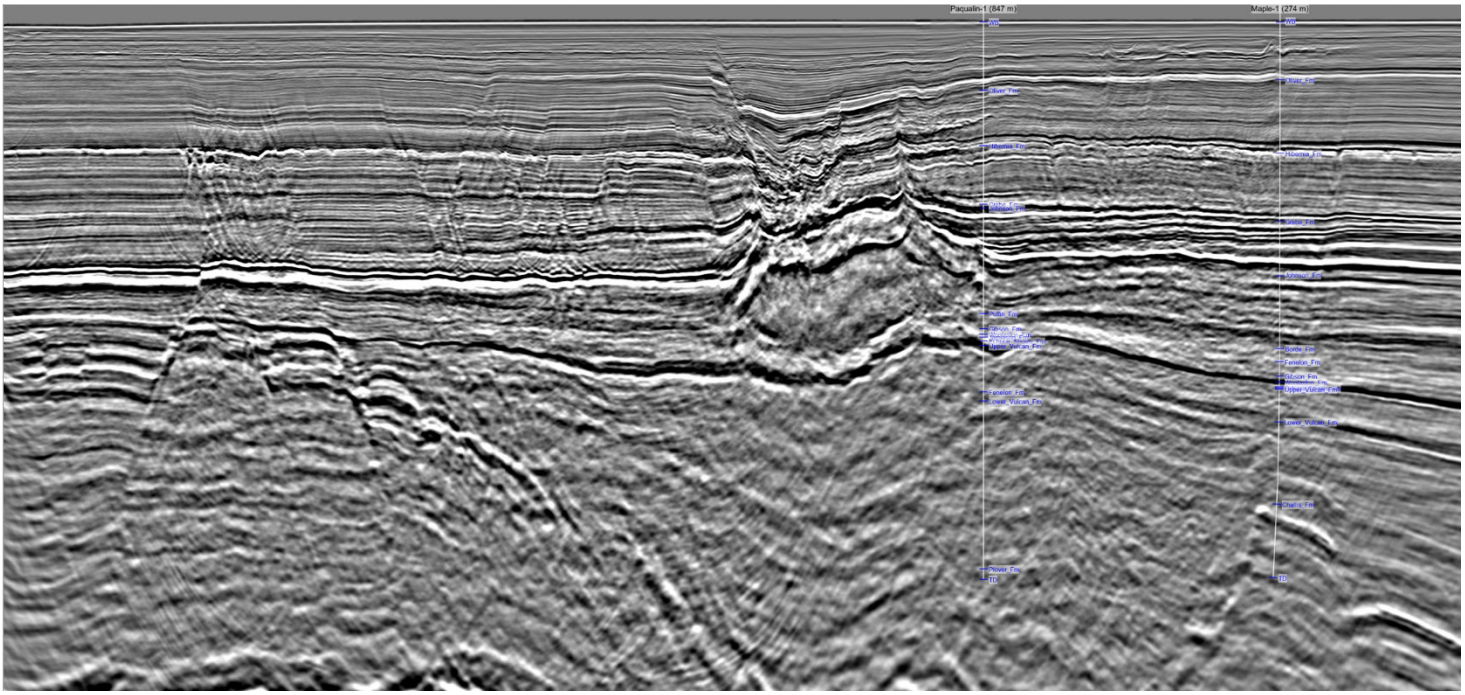
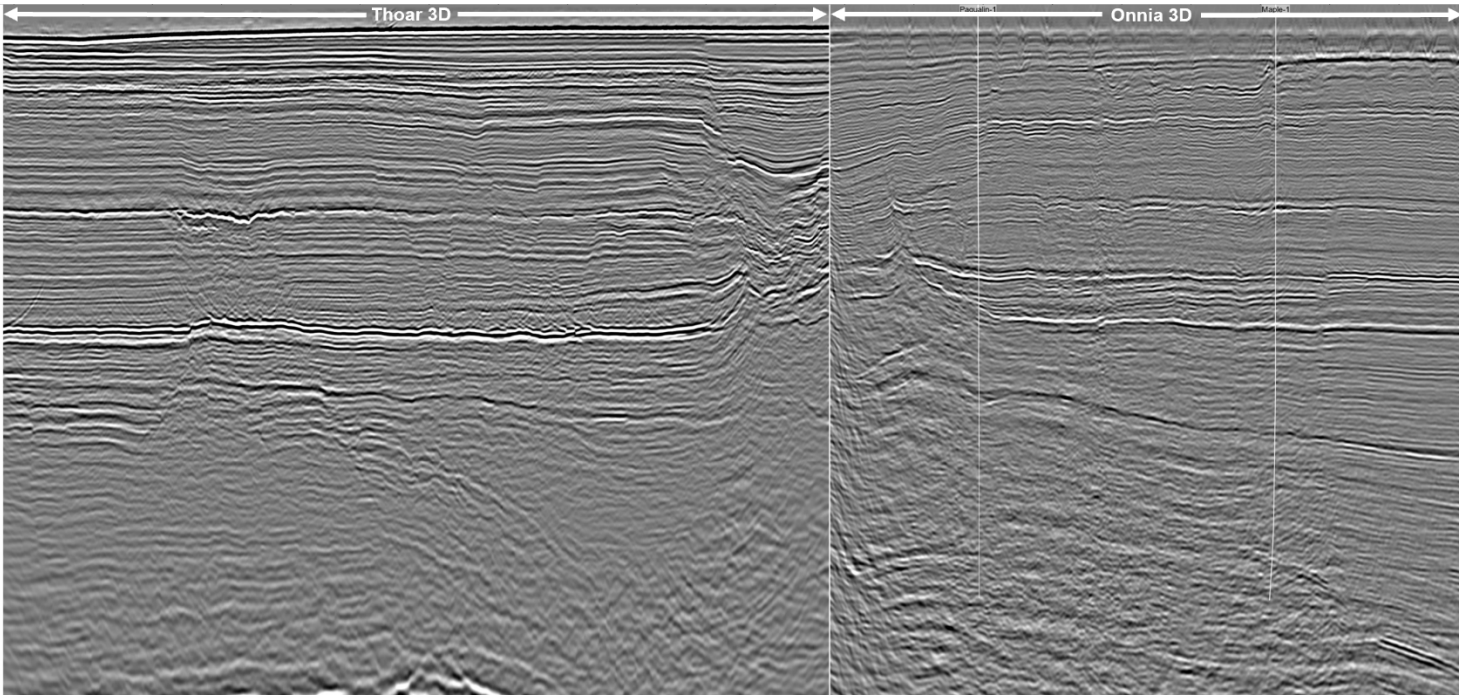
NOVAR MC3D – After Reprocessing



Legacy 3D Surveys – Before Reprocessing



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