

Voyage SS02-2005

**The geology and tectonic evolution of the Mellish Rise off northeastern Australia: A key piece in a tectonic puzzle.**

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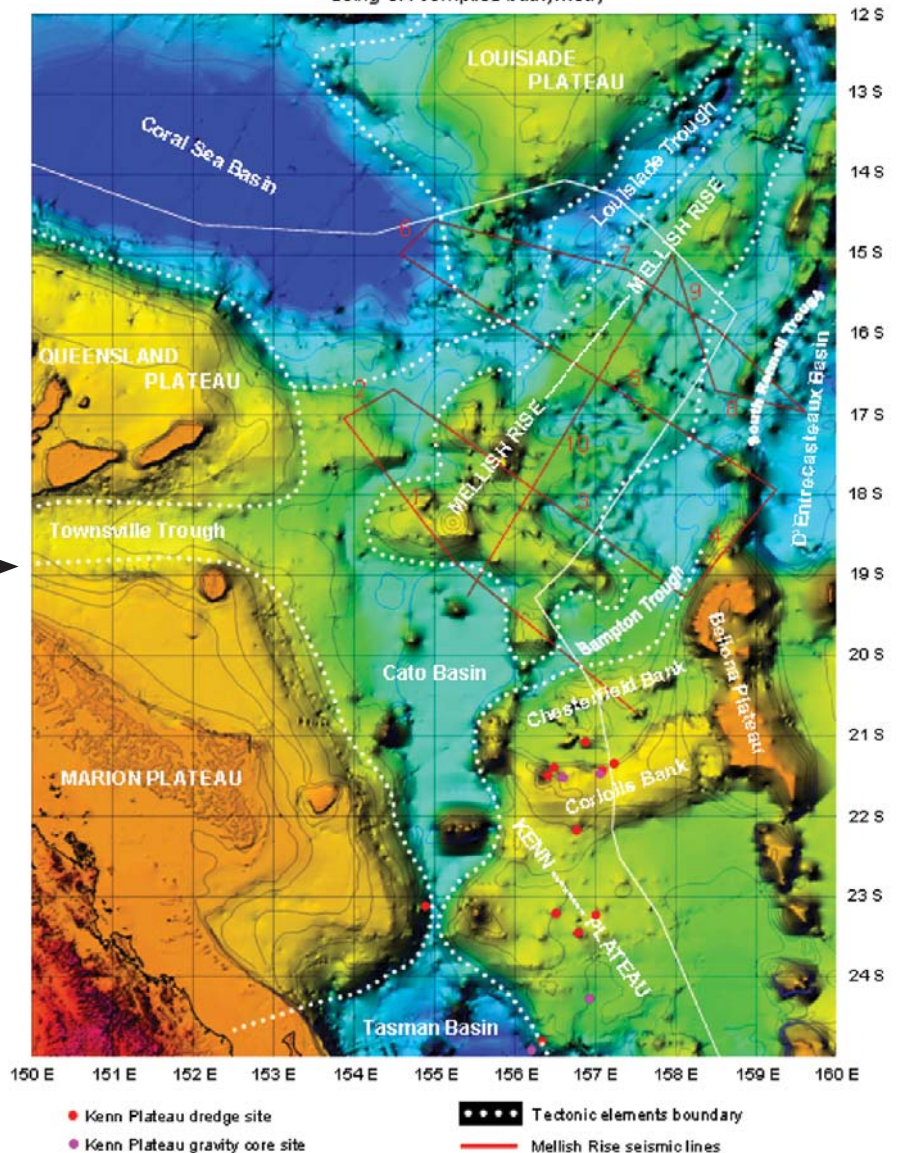
Marine National Facility 2004/2005 Voyages			Environmentally Sustainable Australia					Frontier Technologies	Safeguarding Australia
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SS02/2005	The geology and tectonic evolution of the Mellish Rise off northeastern Australia: a key piece in a tectonic puzzle.	GA							

**The potential of the voyage to contribute to Australia's national benefit:**

The Mellish Rise is a key piece in the tectonic puzzle of the region NE of Australia. It is an ideal place to find answers regarding the evolution of the sea floor in this region. The information flowing from this voyage is critical for Australia's marine resource exploitation and management. Knowledge of its geological origins and sedimentary history is essential for Australia.



**Mellish Rise survey area – Nov-Dec, 2004**  
- using GA-compiled bathymetry



**> SS02-2005 voyage track:**

Bathymetric map of the Mellish Rise study area showing *Southern Surveyor* seismic lines, and Kenn Plateau sample sites. The Mellish rise sample locations were selected once all seismic data had been interpreted.