

Voyage SS01-2005

A new mechanism for the supply of sand to deep water: The Eastern Australian Longshore Transport System, part 2 – the deep water story.

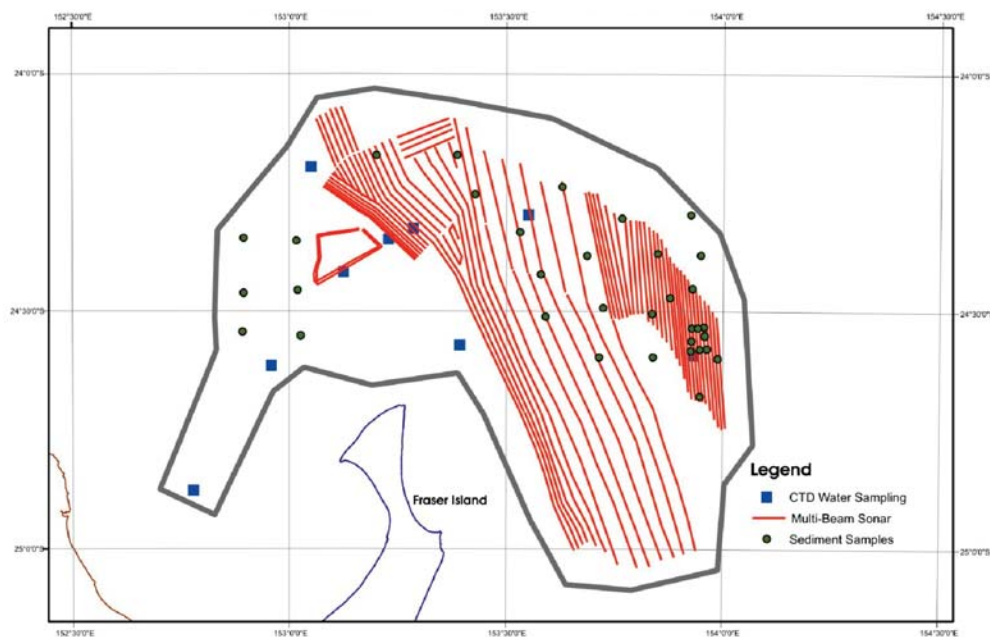
Associate Professor Ron Boyd (Chief Scientist), University of Newcastle

Marine National Facility 2004/2005 Voyages			Environmentally Sustainable Australia					Frontier Technologies	Safeguarding Australia
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The potential of the voyage to contribute to Australia's national benefit:

This project contributed to understanding the mechanisms of sand transport in the marine environment. Sand budgets are essential in managing coastal erosion and to understand island evolution and dynamics.

The voyage's impact on deep water hydrocarbon exploration is also significant. It has provided a new exploration model and understanding of the genesis of deep water sands. This is important to Australia's ability to locate new hydrocarbon reservoirs.



> **SS01-2005 voyage track:** Area of detailed operation. Approximate swath survey lines, sediment sampling stations and CTD stations are shown.