

Summary of Discovery Indigenous Researchers Development Proposals for Funding to Commence in 2008

Queensland

The University of Queensland

DI0882986 Ms CM Hunter; Dr AJ Richardson; Dr EA Fulton; Prof HP Possingham

Approved Project Title **The impact of climate change on the resilience of Australian marine systems: linking climate and ecosystem models**

2008 : \$ 80,000

2009 : \$ 80,000

Primary RFCD 3007 FISHERIES SCIENCES

IRF Ms CM Hunter

Administering Organisation The University of Queensland

Project Summary

This project will underpin Australia's long-term commitment to maintain environmental biodiversity and sustainability in the face of climate change. We will describe the consequences of climate change on marine processes, harvested resources and ecosystem functioning by identifying vulnerable species and habitats. We will provide management advice on balancing ecosystem integrity, economic efficiency, and ecosystem resilience under climate change. This information is of immediate use by a range of Australian stakeholders including national, state and local government agencies. The project will put Australian scientists at the forefront of research focused on the adaptation of marine ecosystems to climate impacts.