

Summary of Linkage Projects Applications for Funding to Commence in 2006

Queensland

James Cook University

LP0669656 Dr DC Lake; A/Prof SC McGinty; A/Prof NR Anderson; A/Prof GD Dawes; Prof NM Alloway; Dr PD Ainsworth; Mr DB Murray

Approved Project Title **Re-engaging Disadvantaged Youth Through Science**

2006 : \$13,500
2007 : \$32,500
2008 : \$32,500
2009 : \$13,500

Primary RFCD 3301 EDUCATION STUDIES

APA(I) Award(s): 1

Partner Organisation(s)

Edmund Rice Flexible Learning Centres

Administering Institution James Cook University

Project Summary

17000 youth have become disconnected from the education system across Australia. The project will provide a model to reengage these youth by providing relevant scientific content where students actively interact with peers in widely dispersed locations. The groups of students will engage in investigative projects where their performances are able to extend beyond traditional literacy-based assessment techniques. Investigations of body image will be used as a vehicle to integrate academic teaching, promoting good health and well-being within a social values framework to develop citizenship and social awareness with scientific skills. The research will help us understand the factors required to reengage at-risk youth with their community.

LP0669439 Dr PN Nelson; Dr W Qu; Dr NC Munksgaard; Dr V Rasiah; Dr JD Armour

Approved Project Title **Tracing nitrogen through wet tropical aquifers using stable isotopic signatures, molecular markers and gas emissions**

2006 : \$35,000
2007 : \$67,500
2008 : \$62,500
2009 : \$30,000

Primary RFCD 3001 SOIL AND WATER SCIENCES

APA(I) Award(s): 1

Partner Organisation(s)

Natural Resources and Mines

Administering Institution James Cook University

Project Summary

The project aims at enabling land managers to reduce the loss of nitrogen into creeks, rivers and estuaries of the Great Barrier Reef catchments. This will improve the economic and environmental viability of primary production while restoring the quality of aquatic and marine ecosystems. The results will identify parts of the landscape where land management needs to change and over what time scale improvements would be apparent. These outputs address the water quality priorities and targets of the 'Reef Water Quality Protection Plan' of the State and National governments and the 'Far North Queensland Natural Resource Management Plan'.