

Summary of Linkage Projects Proposals for Funding to Commence in 2009

Queensland

James Cook University

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Approved Project Title **Sustainable usage of dredged clay materials as land reclamation fills**

2009 : \$ 26,140

2010 : \$ 26,140

2011 : \$ 26,140

Primary RFCD 2908 CIVIL ENGINEERING

APA(I) Award(s): 1

Collaborating/Partner Organisation(s)

Port of Brisbane Corporation

DST Consulting Engineers

Coffey Geotechnics Pty Ltd

Administering Organisation James Cook University

Project Summary

Millions of cubic metres of dredged materials are removed from river and sea beds every year in dredging projects. It is common to dump a significant portion of the dredged spoils into the sea which can result in serious environmental problems such as deterioration of water quality, damage to aquatic habitats, disruption of ecosystems and dispersion of fine clay particles in seawater. The proposed use of dredged clays as land reclamation fill will lead to a substantial reduction in or even eliminate the need for dumping dredged clays into offshore dumping locations. The stabilized dredged clays have great potential if their geotechnical characteristics are adequately understood.