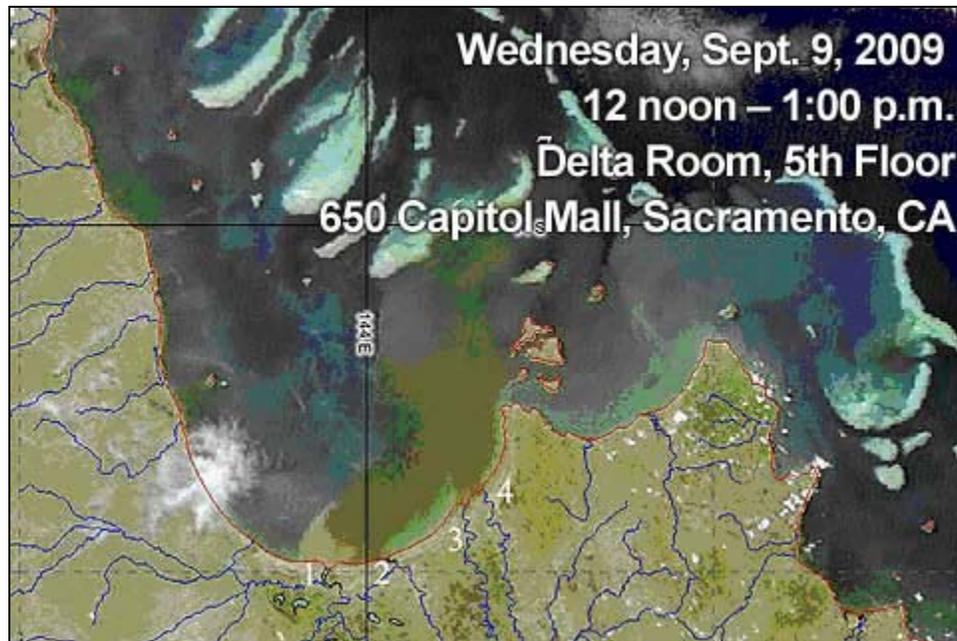


CALFED Science Program Brown Bag Series Presents

From Beef to Reef: Challenges and Triumphs in Developing Sediment Budgets in the Great Barrier Reef Catchments

Dr. Rebecca Bartley

CSIRO Land and Water, Brisbane, Australia



CSIRO/GeoScience Australia

In the Great Barrier Reef (GBR) World Heritage Area, there is growing concern that terrestrial sediments and nutrients are having a detrimental effect on coral reef communities. Due to the large area and high cost of field monitoring, catchment scale sediment budget models are used to help set water quality targets, formulate land use management policy and guide restoration efforts in the GBR catchments. However, there has been very little testing of these models and the processes they represent against measured field data. Dr. Bartley will present data from three field studies that used a variety of techniques to quantify the sources and amounts of erosion. She will discuss how these data are being used to test and further develop sediment budget models for catchments draining to the Great Barrier Reef.

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