MARGINS Source to Sink: Collaborative Research on Shoreline Progradation and Sediment Exchange Between the Coastal Plain and Inner Shelf, Waipaoa Sedimentary System

NSF Org OCE
Initial Amendment Date August 19, 2005
Latest Amendment Date August 19, 2005
Award Number 0504719
Award Instrument Standard Grant
Program Manager Bilal U. Haq
  OCE Division of Ocean Sciences
  GEO Directorate for Geosciences
Start Date September 1, 2005
Expires August 31, 2008 (Estimated)
Awarded Amount to Date $154212
Investigator(s) John Swenson jswenso2@d.umn.edu (Principal Investigator)
Sponsor University of Minnesota Duluth
  10 University Drive
  Duluth, MN 55812 218/726-8839
NSF Program(s) MARINE GEOLOGY AND GEOPHYSICS
Field Application(s) 0204000 Oceanography
Program Reference Code(s) OTHR,1620,0000
Program Element Code(s) 1620

Abstract

The PIs will undertake a comprehensive investigation of Waipaoa River shoreface dynamics in response to multiple well-constrained forcings from Holocene to Recent times. Their approach involves coring, sub-bottom profiling, observational measurements, and sedimentary and stratigraphic modeling. By employing these approaches they hope to constrain the limitations of any particular technique and investigate the link between processes and the sedimentary record, the nature of moving boundaries (land/sea interface), and the role of different scales and how they can be
incorporated into predictive models as well as being applied to interpreting past records.

Please report errors in award information by writing to: award-abstracts-info@nsf.gov.