



NSF Award Abstract - #0504690

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

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Abstract

McNinch 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.

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