

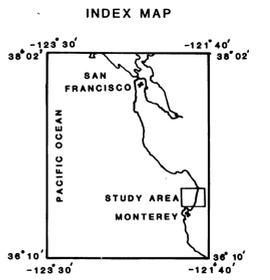
Map Showing Surface Grab Sample and Gravity Core Locations, South Central Monterey Bay, California (Summer 1981 and Winter 1982)

By  
G.W. Hill, J.L. Chin, and B.D. Ho

The U.S. Geological Survey (Menlo Park, Calif.) initiated a multidisciplinary study of south-central Monterey Bay in July 1981. The first year baseline study involved shipboard research using the R.V. David Johnston, from which various types of data were collected including: deep-penetration seismic reflection profiles, fathometer profiles, underwater video transects, gravity cores and surface grab samples.

Locations of surface grab samples and gravity cores were determined by a shipboard mounted Motorola Mini-Ranger III precision navigation system. Surface grabs were taken with a Smith-McIntyre or Shipek sampler. Gravity cores were obtained with a 100 cm x 8.9 cm wide core barrel coupled to a 400 kg weight stand.

Surface grab samples are currently being processed for grain size. Gravity cores were split into archive and working halves. Archive halves were put into permanent storage in the U.S.G.S. Sedimentation Lab (Palo Alto, Calif.). Working halves were logged for lithology and structures then x-radiographed. Cores will be sub-sampled for grain size, paleontology and heavy mineral determinations at a later date.

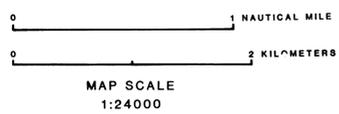


LEGEND

- X GRAB SAMPLE
- # GRAVITY CORE
- HC 1981 DATA
- 2HC 1982 DATA

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SOUTH-CENTRAL MONTEREY BAY, CALIFORNIA  
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1982



This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by the USGS.