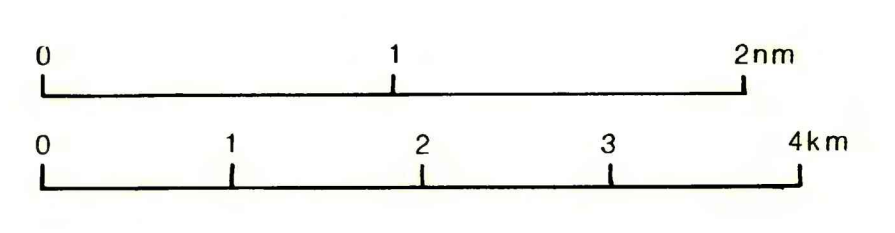


Base maps used --NOAA National Ocean Survey charts # 18651, San Francisco Bay Southern Part(1980), and # 18649, San Francisco Bay Entrance(1981); Mercator projection, scale 1:40,000.

All bathymetric data is in feet at Mean Lower Low Water

- EXPLANATION**
- SIDE SCAN SONAR BOTTOM TYPES**
- 1 Furrows
  - 2 Lineations
  - 3 Sand waves
  - Light and Dark Tonal Patches
  - Featureless: No distinguishable bottom morphology
- BEDLOAD TRANSPORT**
- Arrow indicates trend of bedload sediment transport.
  - Number indicates type of bottom feature (see above) on which measurement was made.
  - Net bedload sediment transport direction. Observation made where asymmetry of sand waves could be determined.
  - Vertical bar on arrow indicates location of measurement.
  - Bar in middle of arrow indicates bi-directional bedload sediment transport. Bar to one side of arrow indicates net transport in direction of longer side of arrow
- BATHYMETRY**
- 6 Depth contour in Feet at Mean Lower Low Water Based on NOS charts of San Francisco Bay.

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards or with the North American Spelling Code. Any use of trade, firm, or product names is for descriptive purposes only and does not imply endorsement by the U.S. Government.



**SURFICIAL CHARACTERISTICS OF THE BAY FLOOR OF SOUTH SAN FRANCISCO, SAN PABLO, AND SUISUN BAYS, CALIFORNIA**

By  
John L. Chin and H. Edward Clifton  
1990