

Shifting Shoals and Shattered Rocks—

HOW MAN HAS CHANGED THE FLOOR OF SAN FRANCISCO BAY

By John Chin and Florence Wong, Geologists

- San Francisco Bay is one of the world's finest natural harbors and a major center of maritime trade
- All ships visiting bay ports are funneled through the central bay
- Bedrock knobs that rise from the central bay floor have been repeatedly blasted to accommodate vessels of increasingly deeper draft
- Sediment dredged from harbors and shipping channels has been disposed of on the bay floor
- Since the early 1900s, the bay floor has been mined for sand and gravel
- New tools are allowing scientists to create detailed views of the bay floor, revealing changes that man has made since the Gold Rush

Thursday, November 17, 2005, 7:00 p.m.
USGS, Conference Room A, Bldg 3, Menlo Park, California

The Earth Science Information Center (Map and Publication Sales) in Building Three will remain open until 7:00 p.m. on the evening of the lecture.
Map for lecture site on reverse
For current information about the Public Lecture Series, call (650) 329-5000 or visit our website at <http://online.wr.usgs.gov/calendar/>
U.S. Department of the Interior • U.S. Geological Survey • Western Region Center