

# Geologic and Bathymetric Reconnaissance Overview of the San Pedro Shelf Region, Southern California

by Stephen C. Wolf and Christina E. Gutmacher

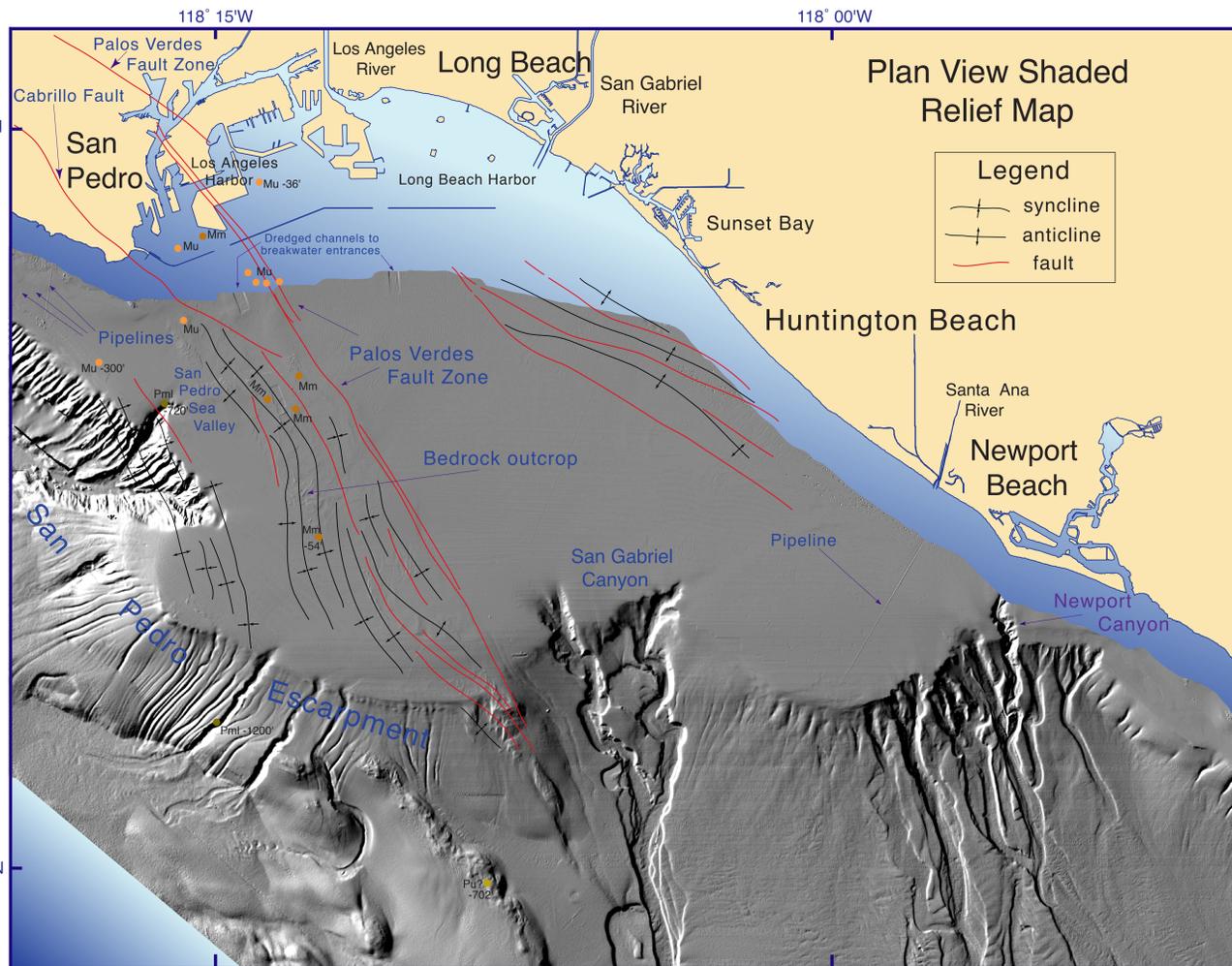
## Multibeam shaded relief and bathymetric maps of the San Pedro Shelf region

Cabrillo Fault, onshore location of Palos Verdes Fault Zone, bedrock ages, and sample locations are from Jennings (1962):

- Mu Upper Miocene marine
- Mm Middle Miocene marine
- Pu Upper Pliocene marine
- Pml Middle and/or Lower Pliocene marine

Sample depths where shown are referenced from below seabed.

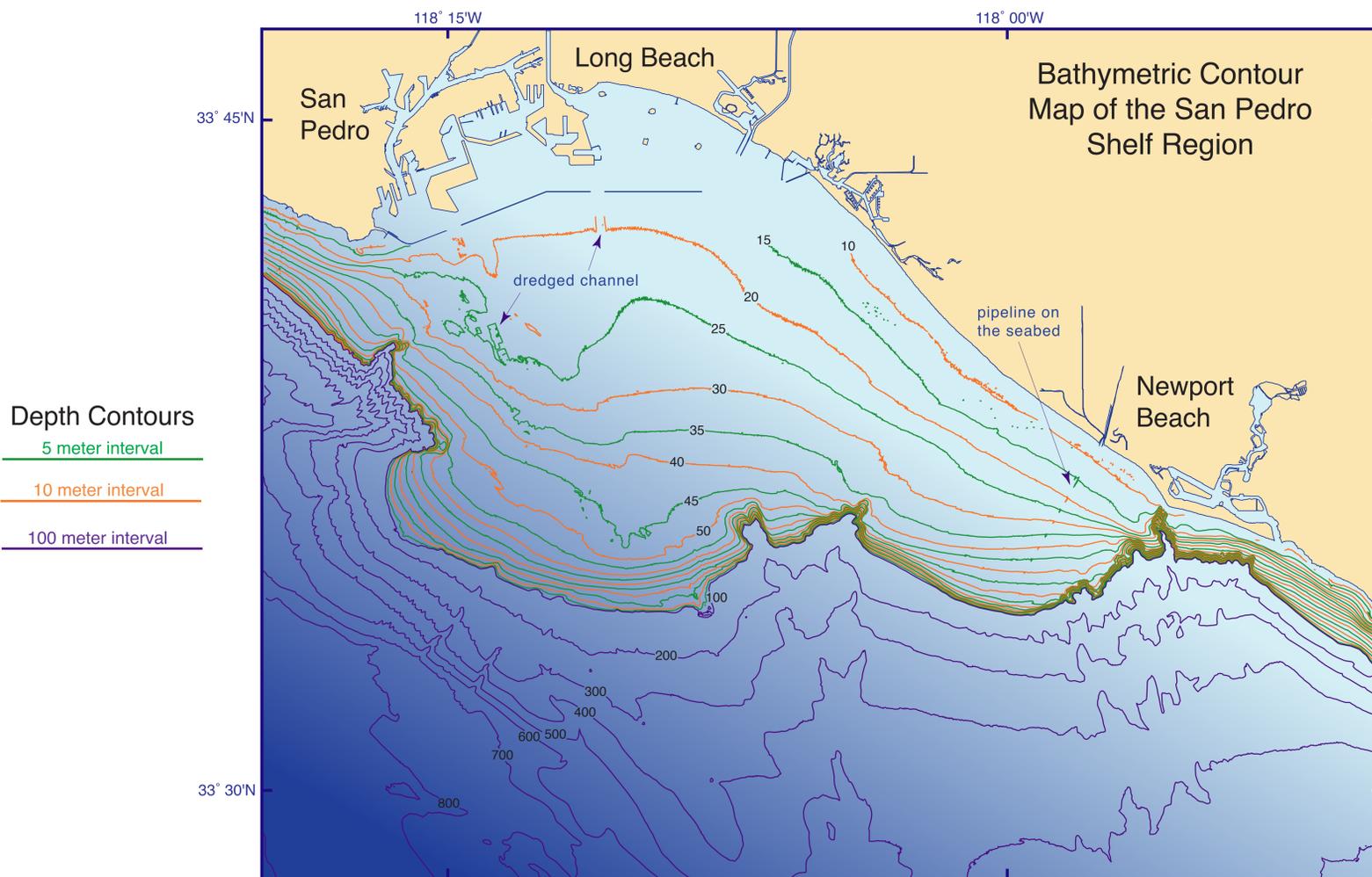
Location of Palos Verdes Fault Zone in Los Angeles Harbor area interpreted by Stephen Wolf from seismic data taken on USGS cruise A-1-00-SC. Metadata URL: <http://walrus.wr.usgs.gov/infobank/a/a100sc/html/a-1-00-sc.meta.html>



Plan view shaded relief and bathymetric contour maps developed from data published by Gardner and Dartnell (2002). The imagery above shows a rough seabed over a structural bedrock high west of the Palos

Verdes Fault Zone in contrast to the relatively smooth seabed to the east which overlies a relatively flat-lying stratigraphic sequence. Positions of offshore faults and axes of anticlines and synclines interpreted from

seismic data are approximate and are primarily shown to illustrate the structural grain of the bedrock high. See sheets 4 and 5 which show seismic-reflection profile sections across the shelf.



### References Sheet 2 (see Sheet 7 for complete reference list)

Gardner, James V., and Peter Dartnell, 2002, Multibeam Mapping of the Los Angeles, California, Margin, U.S. Geological Survey Open-File Report OF02-162. <http://geopubs.wr.usgs.gov/open-file/of02-162/>

Jennings, C.W., compiler, 1962, Geologic Atlas of California: Long Beach, California Division of Mines and Geology GAM-007, scale 1:250,000.

Any use of trade, firm, or product names in this publication is for descriptive purposes only and does not imply endorsement by the U.S. Government.

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