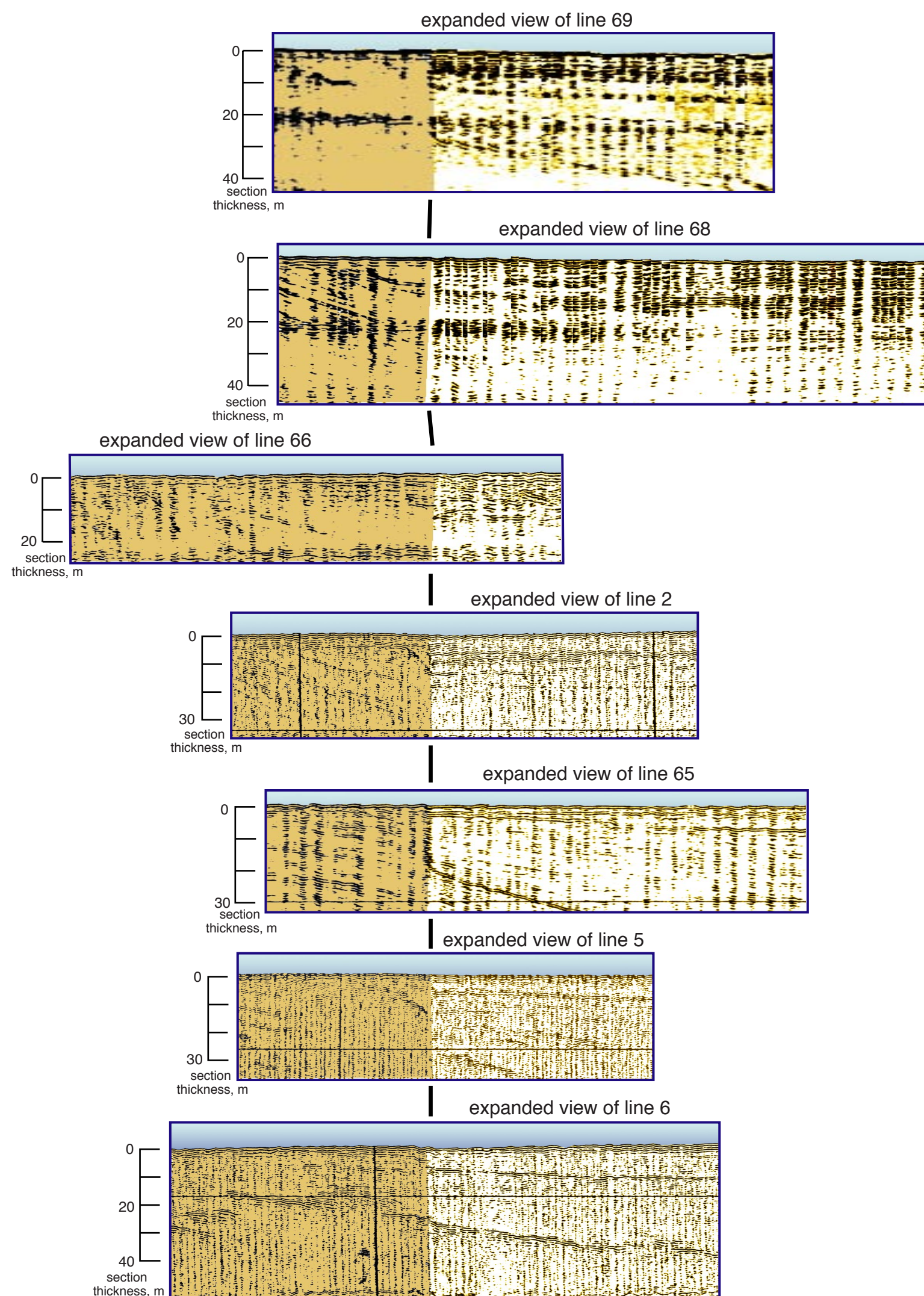
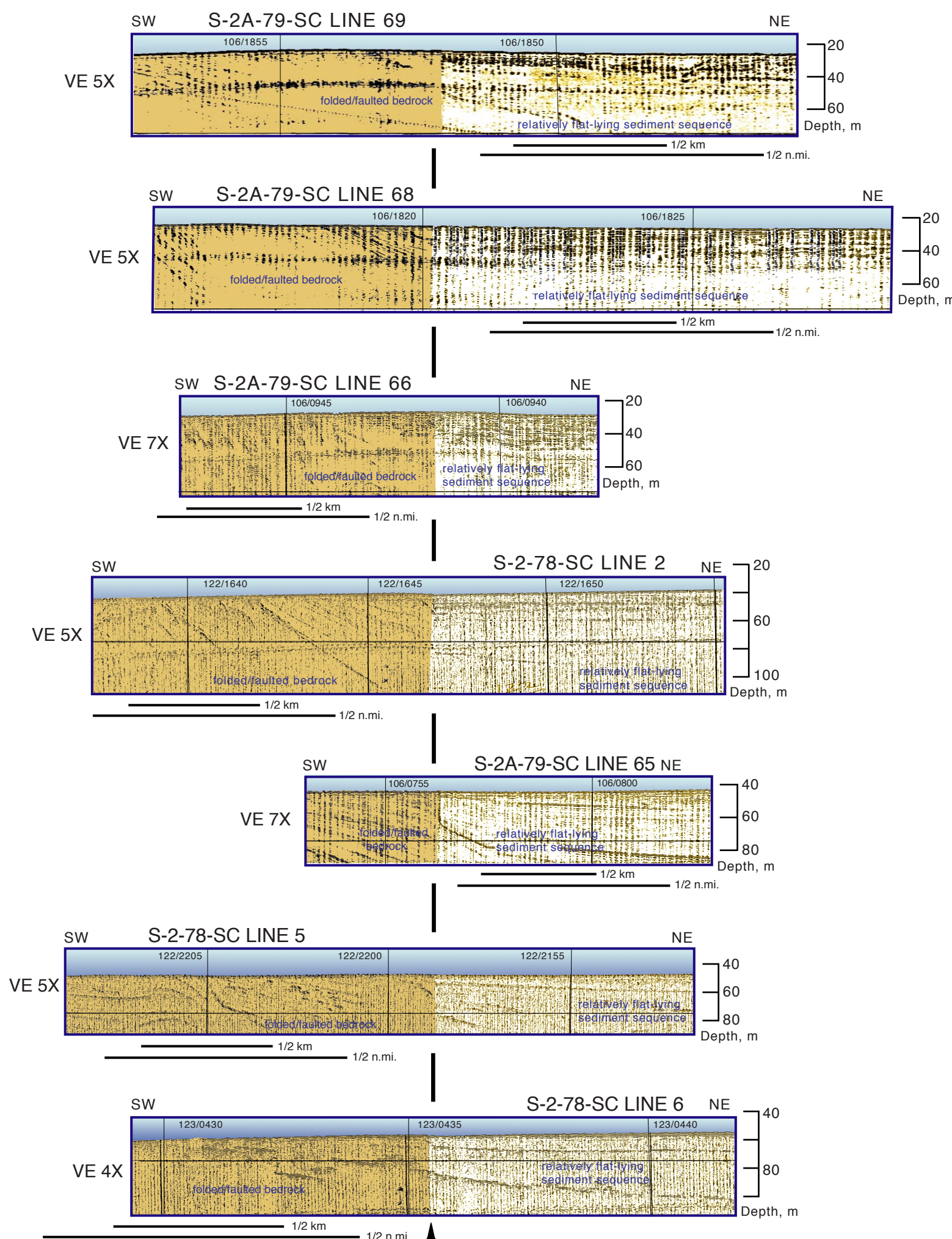


## Seismic-reflection profiles across the Palos Verdes Fault Zone along the outer edge of the San Pedro Shelf

Selected uniboom seismic-reflection profiles  
(VE = vertical exaggeration as shown)

Uniboom seismic-reflection-profile segments shown below cross the Palos Verdes Fault Zone. To show fault characteristics, each segment is expanded 2X from the original profile to the left.



Palos Verdes Fault Zone

Palos Verdes Fault Zone

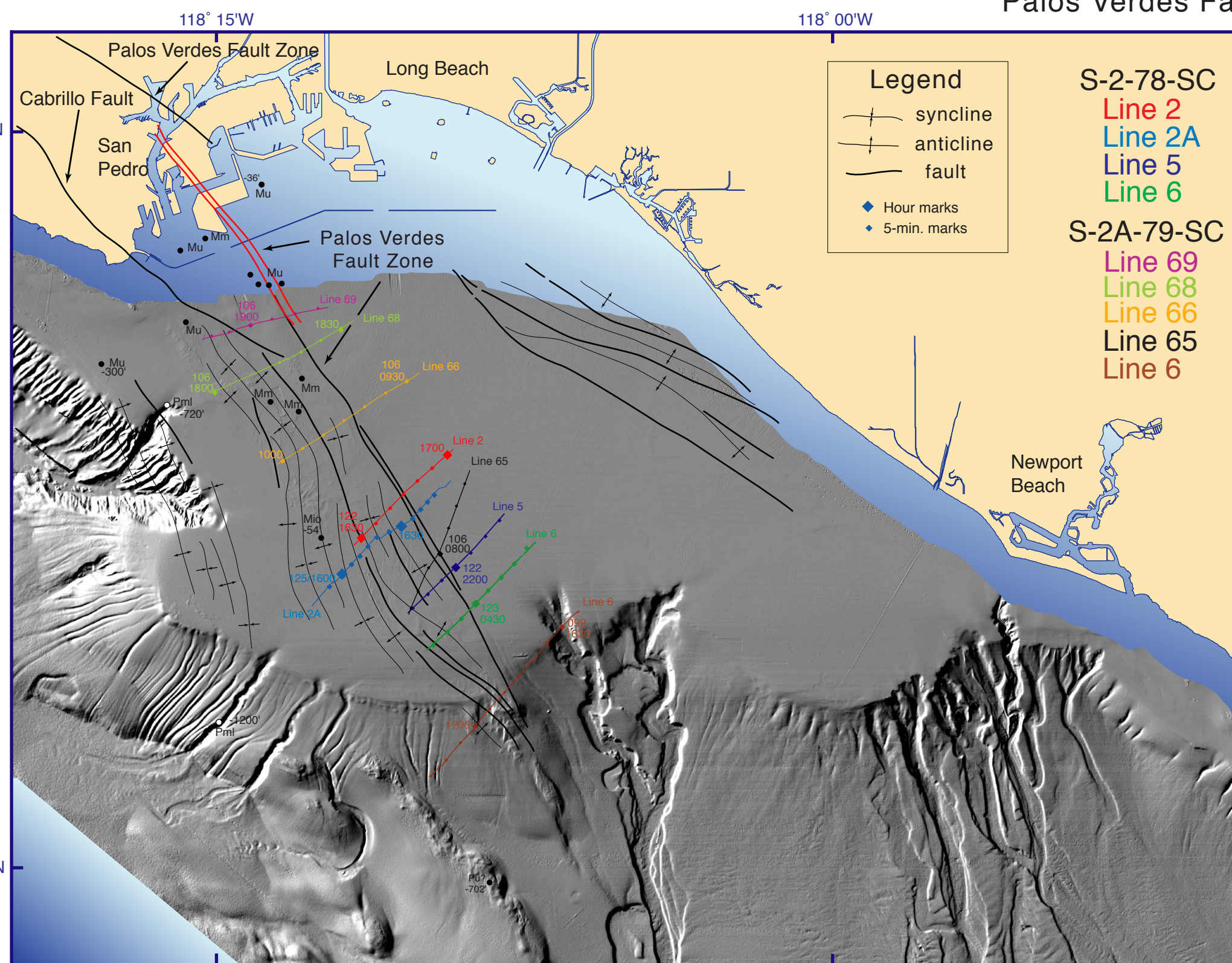
Positions of offshore faults and axes of anticlines and synclines, interpreted from seismic data, are approximate and are primarily shown to illustrate the structural grain of the bedrock high west/southwest of the Palos Verdes Fault Zone.

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.



0 5 10 N Miles

0 5 10 Kilometers

### References Sheet 4

(see Sheet 7 for complete reference list)

For shaded relief:  
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 (reprinted 1992)

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