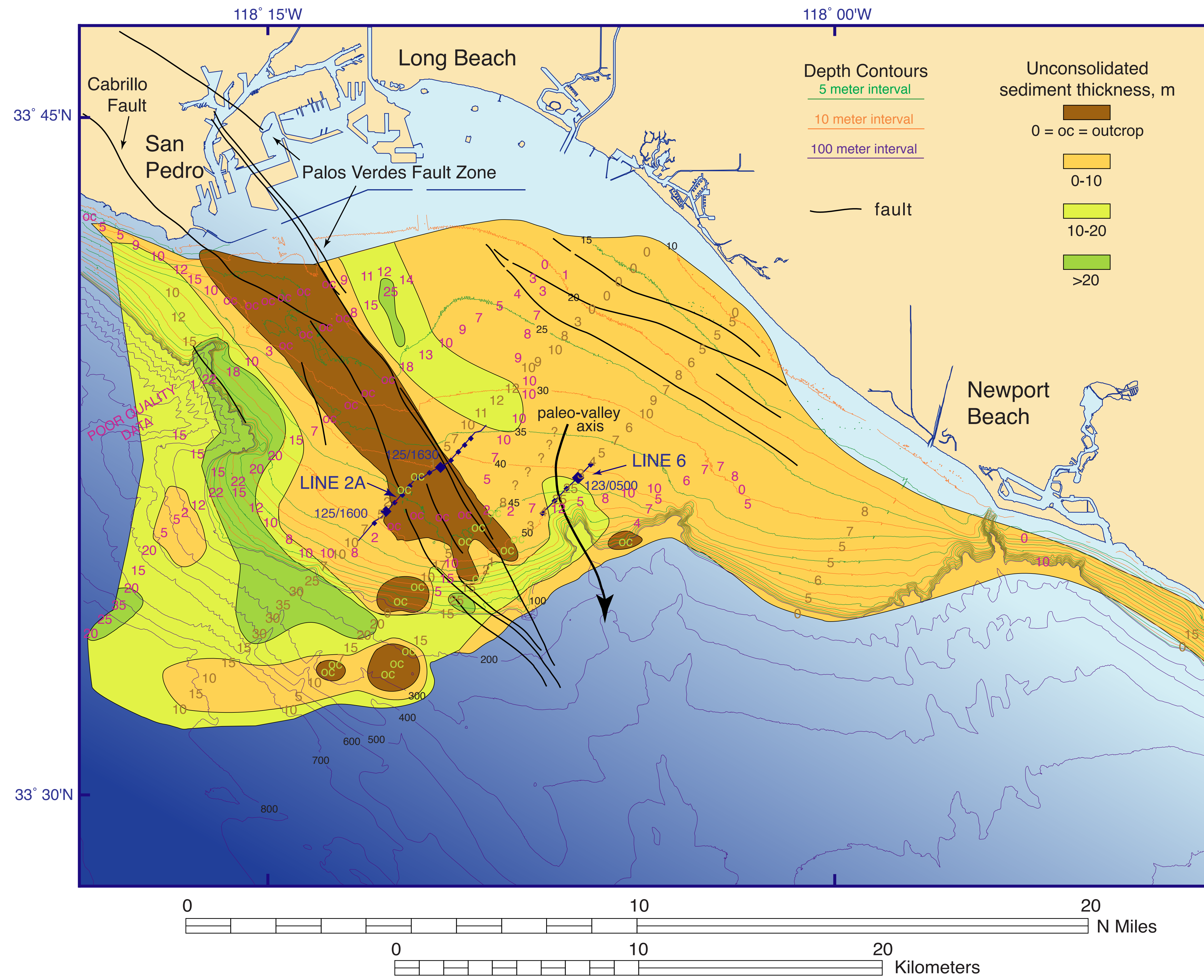


Isopach map of unconsolidated(?) sediment above uppermost erosional surface



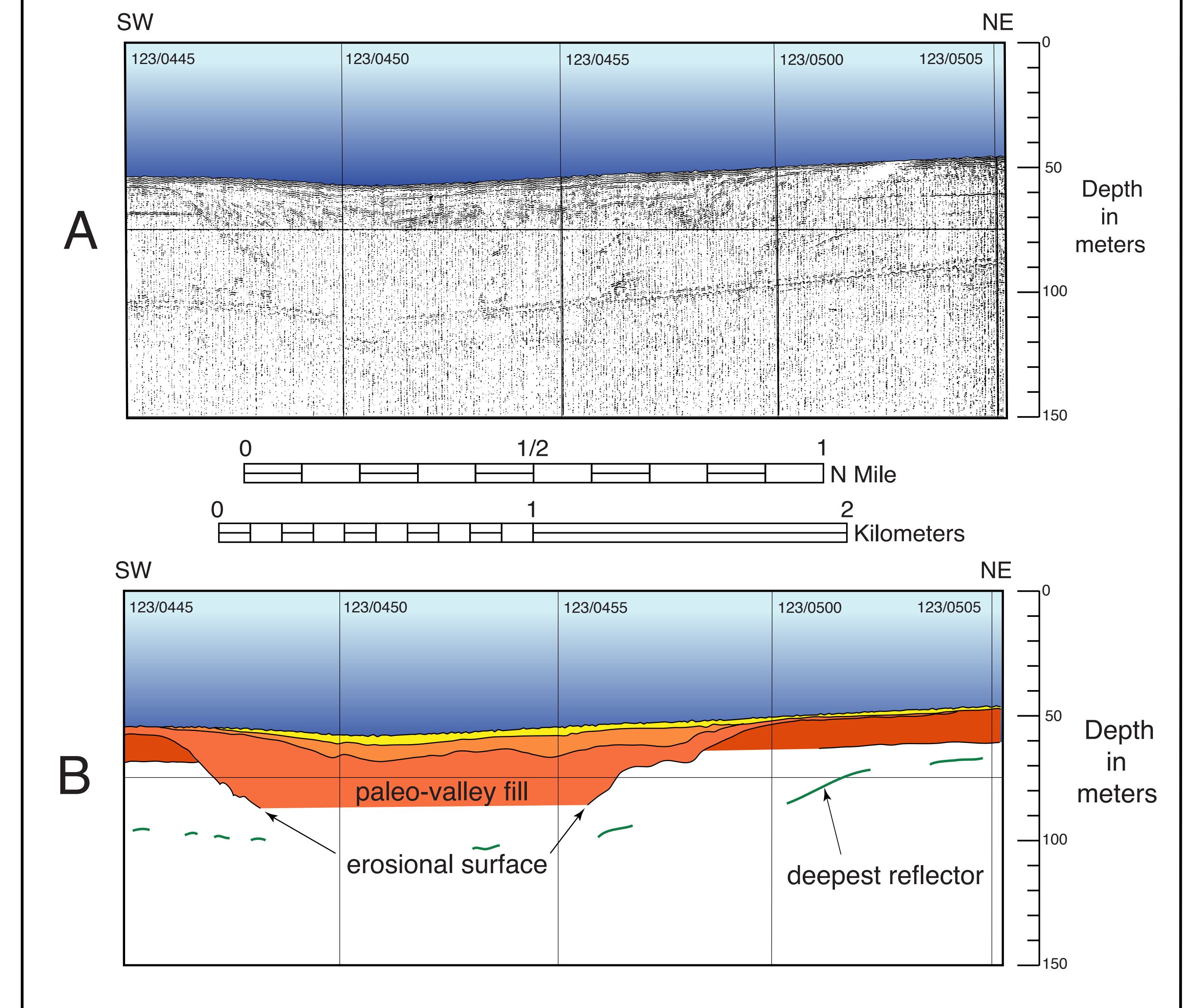
11 numbers in this color are data from S-2-78-SC  
10 numbers in this color are data from S-2A-79-SC

List of seismic-reflection lines used in producing the isopach map  
U = Uniboom, 3.5 = 3.5 kHz  
RT = right reading, LFT = left reading

**S-2-78-SC**  
LINE 2 122/1527 - 122/1800  
U RT, U LFT, 3.5 RT, 3.5 LFT  
LINE 5 122/2145 - 122/2300  
U RT, U LFT, 3.5 RT, 3.5 LFT  
LINE 6 123/0324 - 123/0603  
U RT, U LFT, 3.5 RT, 3.5 LFT  
LINE 10 123/1216 - 123/1413  
U RT, U LFT, 3.5 RT, 3.5 LFT  
LINE 15 123/2215 - 123/2340  
U RT

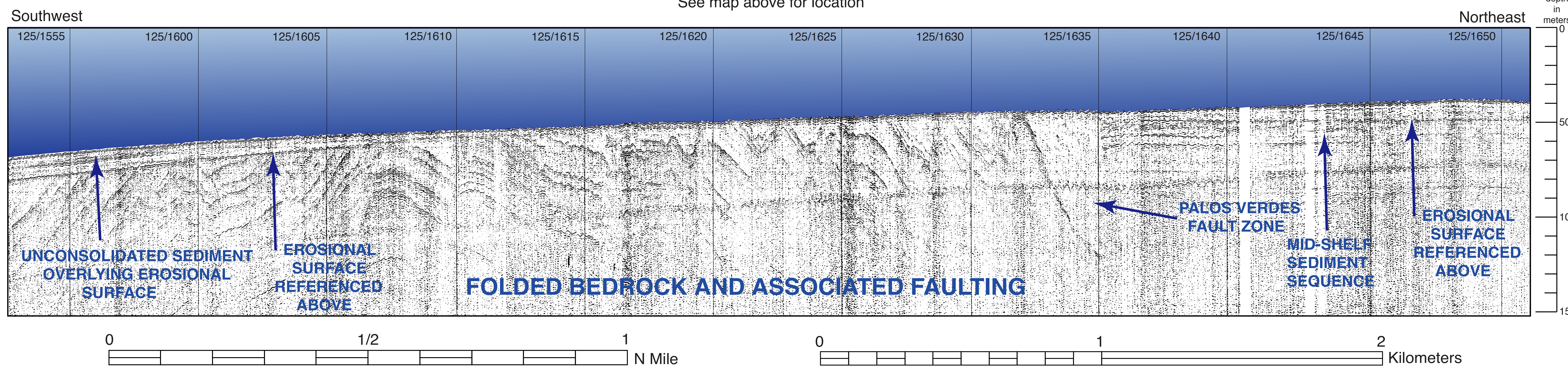
**S-2A-79-SC**  
LINE 6 099/1545 - 099/1800  
U RT, 3.5 RT  
TR, LINE 64 105/2130 - 106/0130  
U RT, 3.5 RT  
LINE 65 106/0630 - 106/0854  
U RT, 3.5 RT  
LINE 66 106/0859 - 106/1130  
U RT, 3.5 RT  
LINE 68 106/1700 - 106/1835  
U RT, 3.5 RT  
LINE 69 106/1835 - 106/2000  
U RT, 3.5 RT  
LINE 73 107/1200 - 107/1235  
U RT, 3.5 RT  
LINE 74 107/1240 - 107/1400  
U RT, 3.5 RT

Uniboom seismic profile acquired along line 6, S-2-78-SC, crossing over a paleo valley developed at a lower stand of sea level. Seismic profile is shown in A, and line drawing showing interpreted key units is in B. See map to the left for profile location and valley axis.



Uniboom seismic line 2A acquired on the SEA SOUNDER in 1978, Day-of-year 125

See map above for location



The S-2A-79-SC data generally show penetration depths equal to or greater than those shown for S-2-78-SC. Data collected during the 1978 cruise were recorded using a 1/4-second scan in contrast to data collected in 1979 which were recorded at a 1/2-second scan. Differences between cruises such as tuning of the instrumentation, resolution, sea states, power output of the acoustic system, and speed of the vessel over the sea floor all effect the quality of data recorded.

### References Sheet 3

(see Sheet 7 for complete reference list)

for bathymetric contours:  
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/>

for onshore faults:  
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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