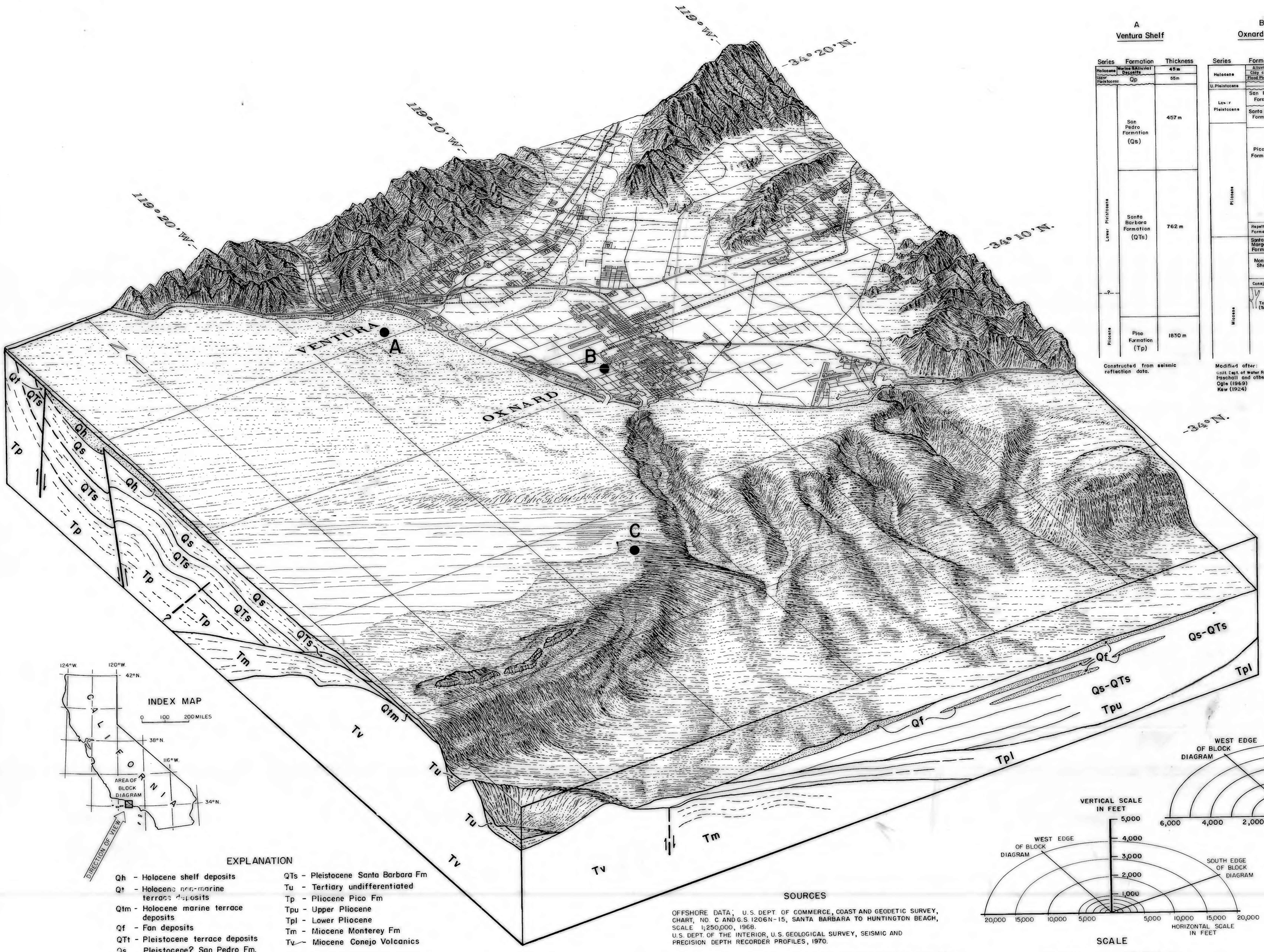
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN FILE REPORT 78-305

PLATE 13



A
Ventura Shelf

Series	Formation	Thickness
Holocene	Marine &Alluvial Deposits	45 m
Upper Pleistocene	Qp	55m
Lower Pleistocene	San Pedro Formation (Qs)	457 m
Lower Pleistocene	Santa Barbara Formation (QTs)	762 m
Pliocene	Pico Formation (Tp)	1830 m

Constructed from seismic reflection data.

B
Oxnard Plain

Series	Formation	Thickness
Holocene	Alluvial	49 m
	Clay cap	49m
	Flood Plain deposits	69m
U. Pleistocene		9m / 75m / 58m
Lower Pleistocene	San Pedro Formation	372 m.
	Santa Barbara Formation	0-488m.
Pliocene	Pico Formation	0-1982 m.
	Repetto Formation	0-305 m
	Santa Margarita Formation	0-366 m
	Monterey Shale	0-599 m
Miocene	Conejo Fm.	183-427 m
	Topanga (Tembior?)	244-488 m

Modified after:
Calif. Dept. of Water Resources (1965)
Paschall and others (1956)
Ogle (1969)
Kew (1924)

C
Easternmost Santa Barbara Basin

Series	Formation	Thickness
Holocene	Qh	30 m
Upper Pleis.	Qp	30 m
Lower Pleistocene	San Pedro Formation (Qs)	183 m
Lower Pleistocene	Santa Barbara Formation (QTs)	701 m
Pliocene	Pico Formation (Tp)	152 m
Miocene	Monterey Shale undiff. (Tm)	365 m
Miocene	Conejo Volcanics (Tv)	?

Constructed from seismic reflection data

EXPLANATION

- Qh - Holocene shelf deposits
- Qt - Holocene non-marine terrace deposits
- Qtm - Holocene marine terrace deposits
- Qf - Fan deposits
- QTt - Pleistocene terrace deposits
- Qs - Pleistocene? San Pedro Fm.
- QTs - Pleistocene Santa Barbara Fm
- Tu - Tertiary undifferentiated
- Tp - Pliocene Pico Fm
- Tpu - Upper Pliocene
- Tpl - Lower Pliocene
- Tm - Miocene Monterey Fm
- Tv - Miocene Conejo Volcanics

GEOLOGICAL INTERPRETATION BY H. GARY GREENE AND ARNE JUNGER

SOURCES

OFFSHORE DATA; U.S. DEPT. OF COMMERCE, COAST AND GEODETIC SURVEY, CHART, NO. C AND G.S. 1206N-15, SANTA BARBARA TO HUNTINGTON BEACH, SCALE 1:250,000, 1968.
U.S. DEPT. OF THE INTERIOR, U.S. GEOLOGICAL SURVEY, SEISMIC AND PRECISION DEPTH RECORDER PROFILES, 1970.

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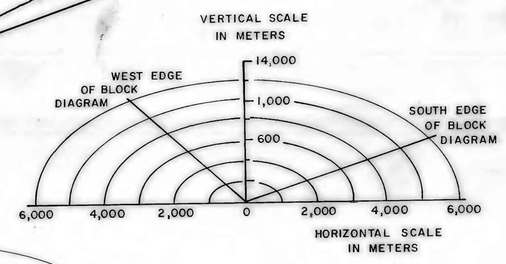
U.S. DEPT. OF COMMERCE, COAST AND GEODETIC SURVEY, CHART, NO. C. AND G.S. 5114, ANACAPA PASSAGE, 1967.



SCALE

VERTICAL EXAGGERATION 3:1

ORTHOGRAPHIC DRAWING BY TAU RHO ALPHA

VENTURA-OXNARD OFFSHORE

U. S. GEOLOGICAL SURVEY

This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature.