



EXPLANATION

SEDIMENTARY ROCKS

- Qal Alluvium and artificial fill
- Qp Dune sand
- Qgr Stream terrace gravel
- Qtm Nonmarine terrace cover, Qtc (Reddish-brown sand, rubble, upper Pleistocene to Recent)
- Qm Marine terrace deposits, Qm; those on lowest terrace constitute Palos Verdes sand, Qpv (Sand, gravel, upper Pleistocene)
- UNCONFORMITY
- Qsp San Pedro sand, Qsp (Sand, silty sand, silt, gravel)
- Qtp Timms Point silt, Qtp (Silty silt, silty sand)
- Qm (Marl, calcareous sand, gravel)
- UNCONFORMITY
- Tr Repetto siltstone (Glaucous, foraminiferal siltstone)
- Tm Malaga mudstone member (Reddish-brown mudstone, diatomite)
- Tv Valmonte diatomite member (Diatomite, diatomaceous shale, diatomaceous mudstone)
- Altamira shale member (Porphyroscopic shale, cherty shale, chert, silty shale, siltstone, phosphatic shale, diatomite, limestone, sandstone, conglomerate, schist-delta breccia, tuff including Miraflores tuff bed, Tr; and Portuguese tuff bed, Tr; zone of opal concretions)

METAMORPHIC ROCKS

- Jf Franciscan (?) schist (Quartz-sericite schist, quartz-feld schist, quartz-glaucophane schist, altered basic igneous rocks)

IGNEOUS ROCKS

- Tb Basalt (Intrusive and extrusive (?) )

FAULTS

- U Exposed fault (U, upthrow, D, downthrow)
- Po Poorly exposed fault
- I Inferred fault

STRIKE AND DIP OF STRATA

- Strike and dip of strata
- Strike and dip of overturned strata
- Dip of strata, strike undetermined
- Horizontal strata
- Crest of anticline
- Trough of syncline

Broken lines indicate uncertain position; dotted lines indicate inferred position

Exposed contact or exposure of mapped beds

Poorly exposed contact or poor exposure of mapped beds

Inferred contact or inferred position of mapped beds

Doubtful contact or doubtful position of mapped bed

Fossil locality (See plates 1 and 2 for fossil localities in area covered by these maps)

Well drilled for oil (For description see text)

Landslide

Base from Geological Survey maps of San Pedro Hill, Torrance, and Wilmington quadrangles.

Geology by W. P. Woodring, M. N. Bramlette, and W. S. W. Kew. Surveyed in 1921-1924, 1930-1935

GEOLOGIC MAP AND SECTIONS OF PALOS VERDES HILLS, LOS ANGELES COUNTY, CALIFORNIA

