PLATE I

GEOLOGY AND TOPOGRAPHY OF THE PORTUGUESE BEND DISTRICT, PALOS VERDES HILLS, CALIFORNIA

EXPLANATION

Quaternary

- af — Artificial fill (placed by man)
- Qal — Alluvium deposited along stream beds and in fans
- Qbd — Beach deposits
- Qsw — Slope wash, soil, and creep deposits
- Qpd — Sediments deposited in ponds occupying undrained depressions
- Qff — Soil, debris and wash filling landslide-caused fissures and pull-aways
- Qls — Landslide deposits
- Qtc — Non-marine wash deposits covering marine-terrace deposits and wave-cut benches
- Qmt — Marine terrace deposits

Tertiary (Miocene?)

- mt, Tma, pt — Altamira Shale member of Monterey Formation with Miraleste tuff (mt) and Portuguese tuff (pt)
- Tb — Basaltic Rocks

Contact, dashed where approximately located and dotted where concealed beneath a map-designated unit

Strike and dip

Antiform

Boundary of active landslide (1969)

Boundary of displaced block (post 1956) along north edge of active slide.

Approximate landward margin of area in which major landsliding has occurred

Generalized directional trend of landslide movement. Includes ancient as well as historic movement.

Active landslide includes other map-designated units which are moving as parts of the slide

Geologic sections shown on Plates 2 and 3