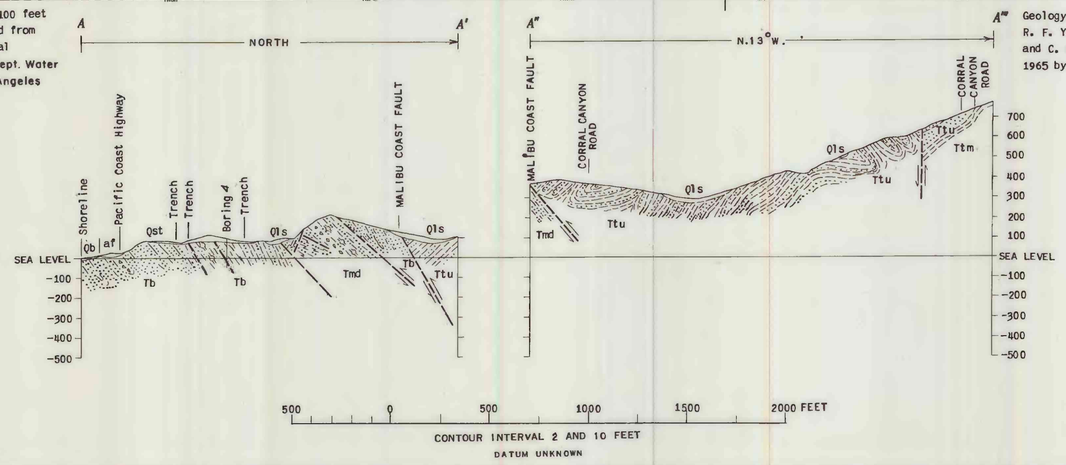
65-179

Base reduced from 1" = 100 feet topographic map compiled from 1" = 500 feet 1963 aerial photography; courtesy Dept. Water and Power, City of Los Angeles

Geology mapped Jan. 1964 by R. F. Yerkes, Reuben Kachadoorian, and C. M. Wentworth; revised 1964, 1965 by Yerkes and Wentworth



EXPLANATION

SURFICIAL DEPOSITS

Recent

- Qls, Qlsa — Landslide deposits CONSIST OF BEDROCK AND SURFICIAL MATERIAL (SEE MAP SYMBOLS)
- Qco — Colluvial deposits
- Qta — Talus deposits
- Qfd — Alluvial fan deposits
- Qfp — Flood-plain deposits
- Qsd — Stream deposits
- Qb — Beach deposits

Pleistocene — Upper Pleistocene

- Qst — Stream terrace deposits
- Qt1, Qt2, Qtu — Coastal terrace deposits
  - Qt1, *low-level deposits*
  - Qt2, *high-level deposits concealed by colluvial deposits*
  - Qtu, *undifferentiated deposits*

QUATERNARY

BEDROCK

South of Malibu Coast Fault

Miocene — Middle Miocene

- Tmd — Montarey Shale, deformed
- Tb, Tbv — Unit B
  - Tb, *sedimentary rocks, minor interbedded volcanic rocks*
  - Tbv, *volcanic rocks, minor interbedded sedimentary rocks*

North of Malibu Coast Fault

Nomenclature of Durrell, 1954

- Ttu — Upper Topanga Formation
- Ttm — Middle Topanga Formation (Volcanic rocks)

TERTIARY

Map Symbols

- Contact — *Dashed where approximately located; dotted where concealed*
- Fault, showing dip — *Dashed where approximately located; dotted where concealed*
- Fault breccia
- Strike and dip of beds — *Top of beds unknown*
- Strike and dip of beds — *Top of beds known from sedimentary structures*
- Microfossil locality
- Strike and dip of overturned beds — *Top of beds known from sedimentary structures*
- Strike of vertical beds — *Top of beds unknown*
- Small anticline — *Showing trend and plunge of axis*
- Small overturned anticline — *Showing trend and plunge of axis*
- Small overturned syncline — *Showing trend and plunge of axis*
- Plicated beds — *Showing trend and plunge of axis*
- Artificial fill
- Landslide — Qls, *activity unknown*; Qlsa, *inferred to be active; query indicates doubtful origin; arrows show inferred general direction of movement; dashed arrows indicate buried feature*
- Pavement disturbed by ground movement
- Test boring
- Test trench and bulldozer cut
- Boundary of Corral Canyon site
- Boundary of plant site

U.S. GEOLOGICAL SURVEY LIBRARY
SEP 15 1965
DENVER

FIG. 4. GEOLOGIC MAP AND SECTIONS OF THE PROPOSED CORRAL CANYON NUCLEAR POWER PLANT SITE, LOS ANGELES COUNTY, CALIFORNIA