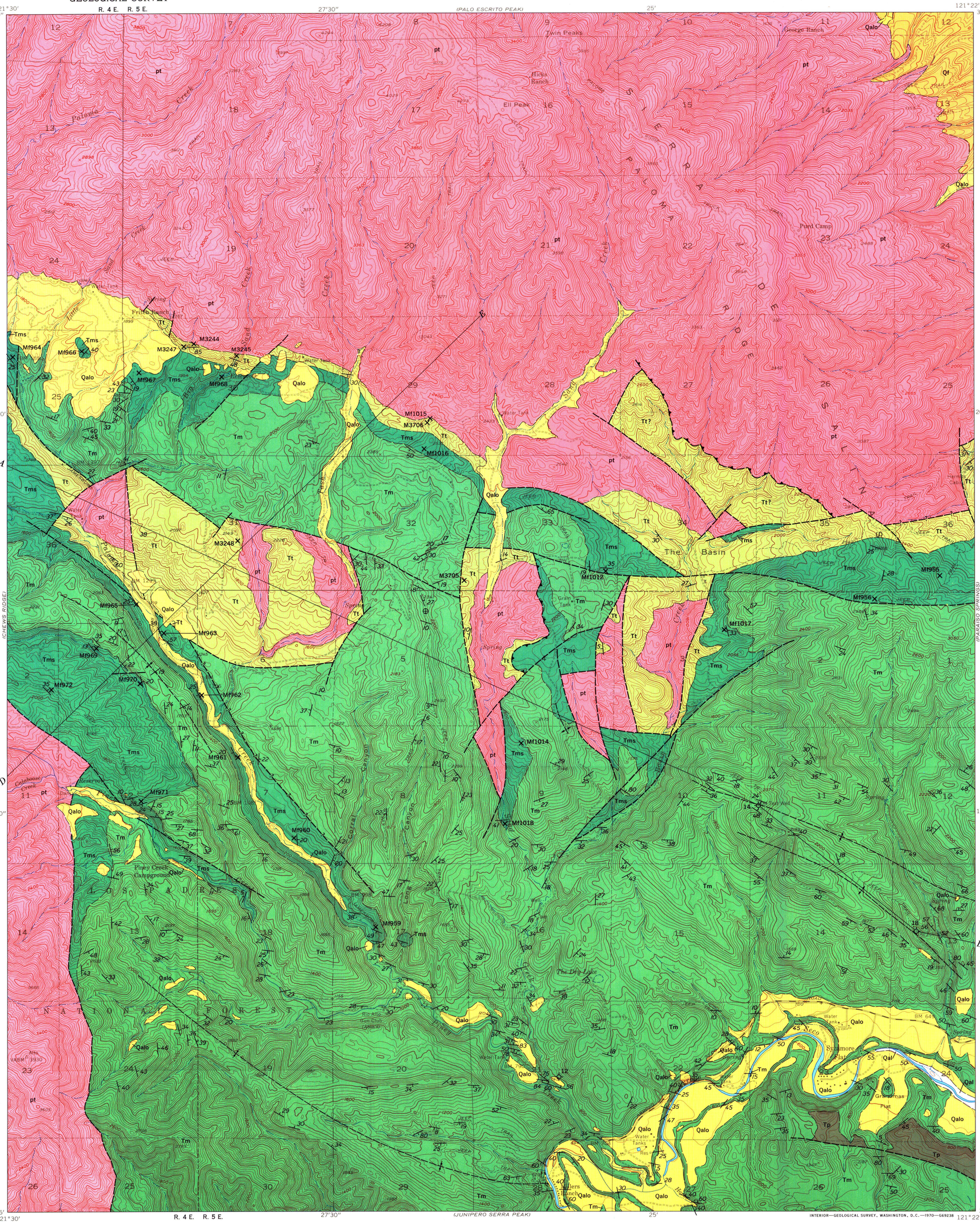

Base from U.S. Geological Survey, 1956

SCALE 1:24 000

1 ½ 0 1 MILE

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1970—G69238

Geology by David L. Durham, 1966–68;
assisted by Roald L. Bendixen, 1966;
and Robert J. McLaughlin, 1967

EXPLANATION

QUATERNARY

Holocene

Qal — Alluvium
Sand and gravel

Pleistocene and Holocene(?)

Qalo — Older alluvium
Sandy gravel, unconsolidated or semi-consolidated

Pleistocene

Qf — Fanglomerate
Breccia; larger clasts mainly schist

TERTIARY

Pliocene

Tp — Pancho Rico Formation
Sandstone, locally fossiliferous, marine

Miocene

Tm, Tms — Monterey Shale
Tm, *upper part; porcelanite, porcelaneous mudstone, noncalcareous mudstone, and dolomitic carbonate rock; marine*
Tms, *Sandholdt Member; chiefly calcareous mudstone and shale; also contains porcelaneous rocks, dolomitic carbonate rock, and locally sandstone; abundant foraminifers; marine*

Tt — Tierra Redonda Formation
Sandstone, conglomerate, some mudstone; locally fossiliferous; marine

PRE-TERTIARY

pt — Basement complex
Schist; granodiorite or adamellite; aplite and pegmatite dikes; marine

Contact
Gradational or approximately located

Fault
Approximately located; queried where inferred

Thrust fault
Approximately located; sawteeth on upper plate

Anticline
Showing crestline; approximately located

Syncline
Showing troughline; approximately located

Inclined (26) Vertical Horizontal
Strike and dip of beds

Mf955
Fossil locality
Numbered according to table in text

18
Well drilled for oil
Numbered according to table in text

TRUE NORTH
MAGNETIC NORTH
16½°
APPROXIMATE MEAN DECLINATION, 1970

CALIF
QUADRANGLE LOCATION

GEOLOGIC MAP OF THE SYCAMORE FLAT QUADRANGLE, MONTEREY COUNTY, CALIFORNIA