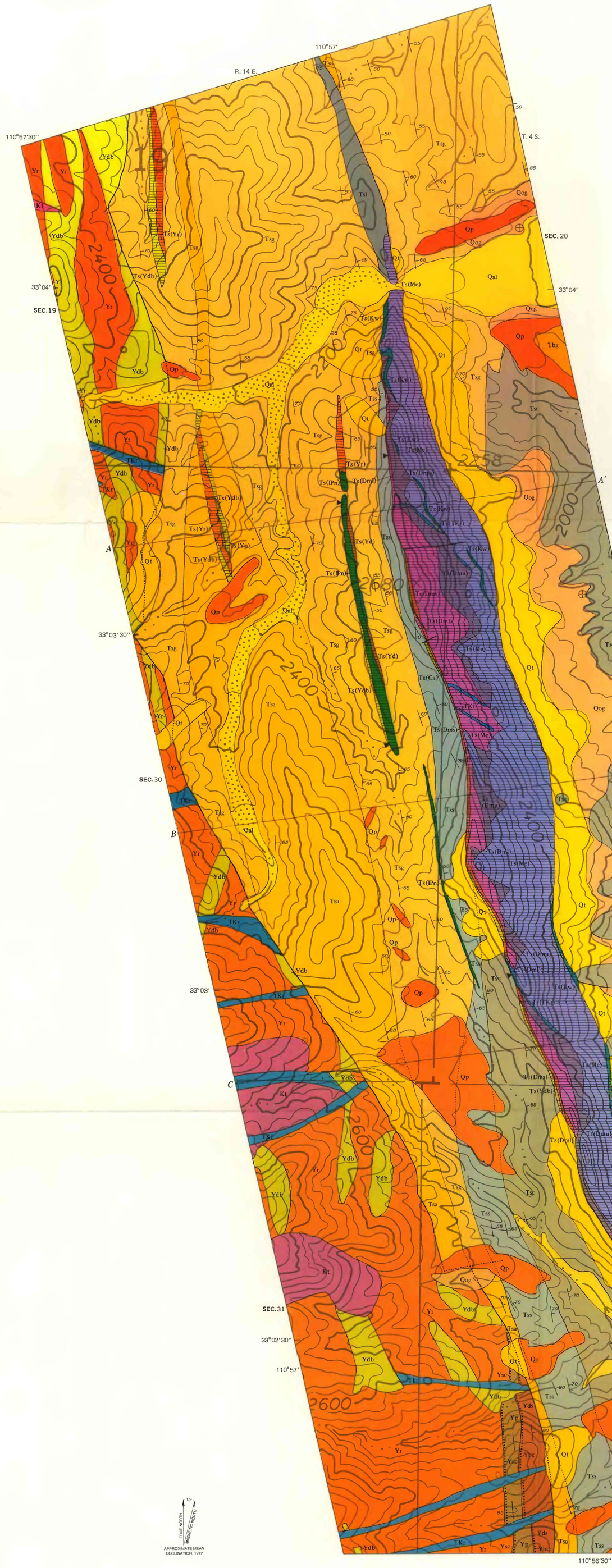
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PROFESSIONAL PAPER 1008
PLATE 2



CORRELATION OF MAP UNITS

Qal, Qt, Qp, Qog	Holocene and Pleistocene; Pleistocene	QUATERNARY	CENOZOIC
Disconformity			
Tbg			
Unconformity			
Tsdp, Tsg, Ts( ), Tsl, Tsc, Tss, Tsa	Miocene	TERTIARY	
Disconformity			
TKr	Lower Tertiary or Upper Cretaceous	TERTIARY OR CRETACEOUS	CENOZOIC OR MESOZOIC
Kt	Upper Cretaceous	CRETACEOUS	MESOZOIC
Unconformity			
Ydb, Yds, Ybc, Yp, Ysc		PRECAMBRIAN Y	
Unconformity			
Yr			

DESCRIPTION OF MAP UNITS

SURFICIAL DEPOSITS

- Qal — Alluvium
- Qt — Talus
- Qp — Red soil and gravel on pediment surface
- Qog — Older gravels
- Tbg — Big Dome Formation

SAN MANUEL FORMATION

- Tsdp — Dark, nongranitic playa deposits
- Tsc — Playa claystone
- Tss — Playa sandstone
- Tsg — Granitic conglomerate
- Tsl — Limestone conglomerate
- Tsa — Quartzite conglomerate
- Ts( ) — Megabreccia; lithologic units composed of following identifiable formations are shown by symbol of that formation, in parentheses, and by its map color
- Ts(TKr) — Rhyodacite porphyry
- Ts(Kw) — Williamson Canyon Volcanics
- Ts(IPn) — Naco Limestone
- Ts(Me) — Escabrosa Limestone
- Ts(Dmu) — Martin Formation, upper member
- Ts(Dml) — Martin Formation, lower member
- Ts(Dms) — Martin Formation, basal sandstone
- Ts(Ca) — Abrigo Formation
- Ts(Ydb) — Diabase. Locally includes some Troy Quartzite
- Ts(Yd) — Dripping Spring Quartzite. Includes Barnes Conglomerate Member
- Ts(Yp) — Pioneer Formation. Includes Scanlan Conglomerate Member
- Ts(Yr) — Ruin Granite
- Tkr — RHYODACITE PORPHYRY
- Kt — TORTILLA QUARTZ DIORITE
- Ydb — DIABASE

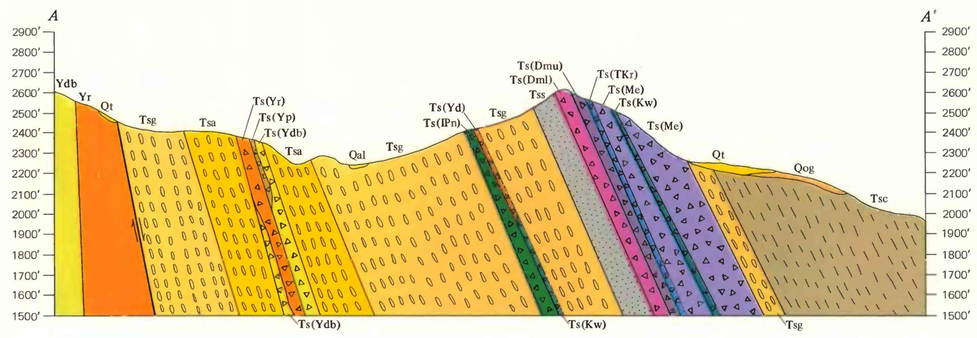
APACHE GROUP

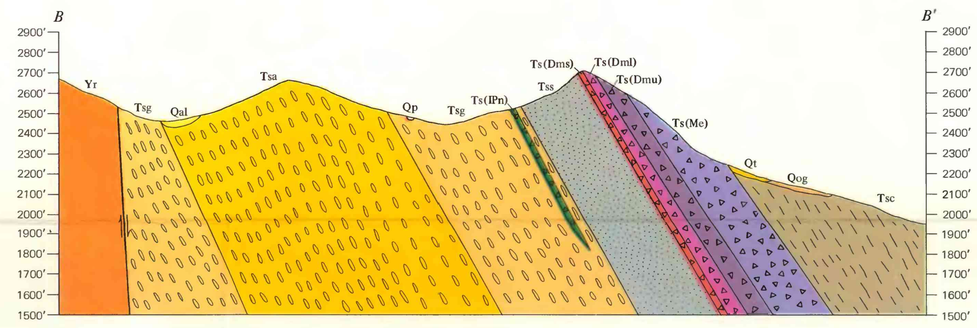
- Yds, Ybc — Dripping Spring Quartzite; Ybc (dots) indicates Barnes Conglomerate Member at base
- Yp, Ysc — Pioneer Formation; Ysc (dots) indicates Scanlan Conglomerate Member at base
- Yr — RUIN GRANITE

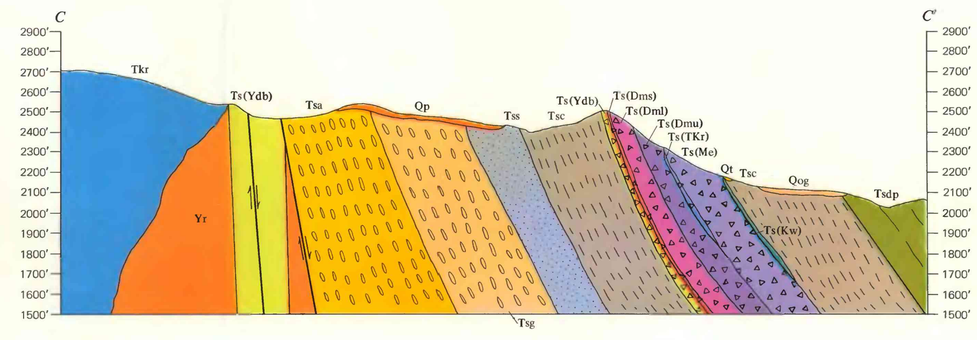
- Approximate contact—Dotted where concealed. Triangle indicates contact that was well exposed at time of mapping
- Fault, showing dip where known—Dotted where concealed

Strike and dip of beds

- Horizontal
- 60 — Inclined
- 65 — Overturned
- Vertical







APPROXIMATE MEAN DECLINATION, 1977

Base from U.S. Geological Survey, 1:24,000, 1964

Bedrock geology from geologic map of the Kearny quadrangle (Cornwall and Krieger, 1975a). Geology of the San Manuel Formation and interbedded landslides mapped by Krieger, 1969-72

SCALE 1:6000

¼ 0 ¼ ½ MILE

.25 0 .25 .5 KILOMETER

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

GEOLOGIC MAP OF THE NORTHERN LANDSLIDES, KEARNY QUADRANGLE, ARIZONA

☆ Interior—Geological Survey, Reston, Va.,—1977—G76331

This map was printed from negatives prepared by photographic color-separation of a hand-painted original.