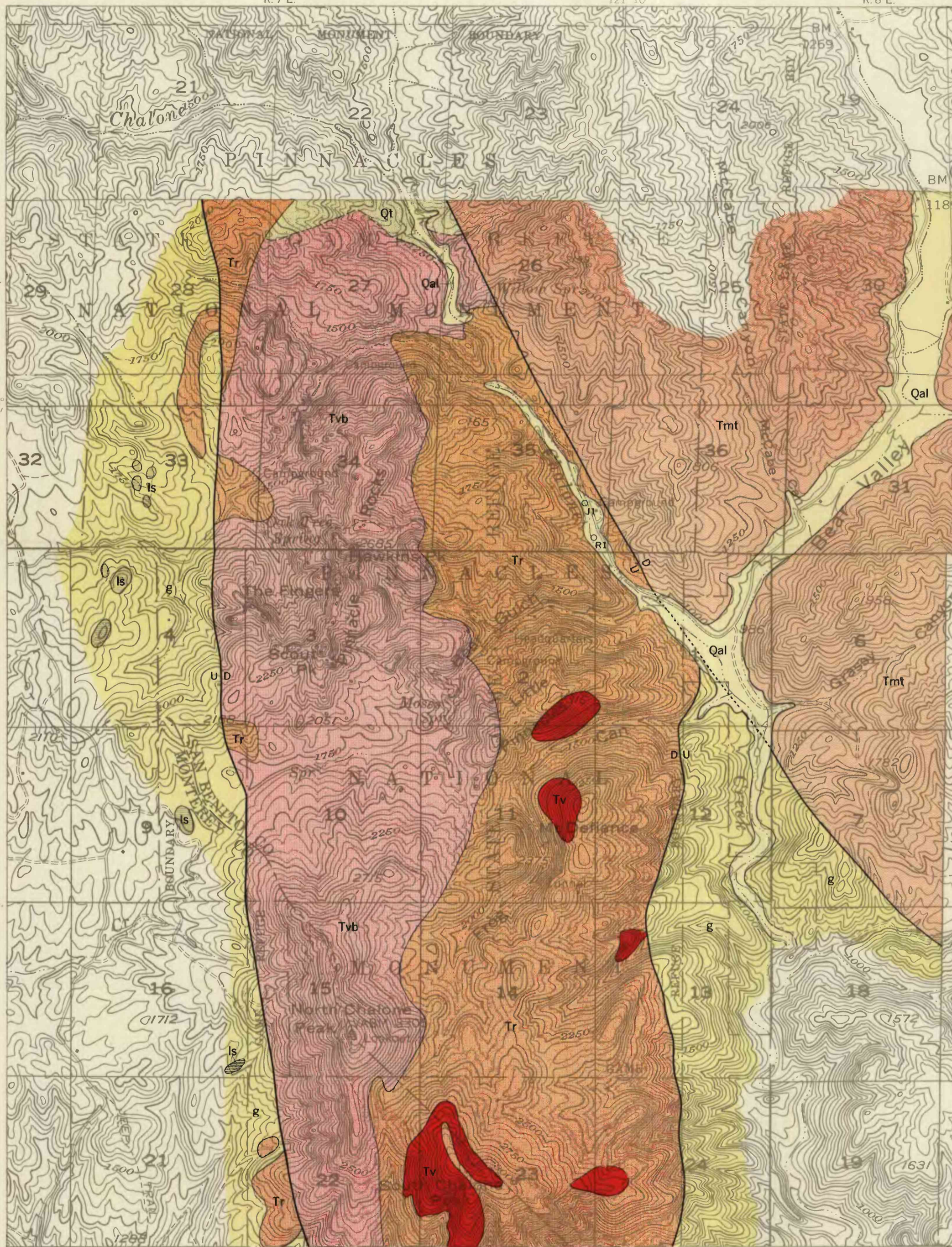


R. 7 E.

121° 10'

R. 8 E.



EXPLANATION

SEDIMENTARY ROCKS

- | | | |
|-------------|--|------------|
| Recent | Qal | QUATERNARY |
| | Alluvium Sand and gravel | |
| Pleistocene | Qt | QUATERNARY |
| | Terrace deposits Predominantly gravel | |

- | | | |
|---------|--|----------|
| Miocene | Tmt | TERTIARY |
| | Tembler formation Fanglomerate grading upward into gravel and diatomaceous shale | |

IGNEOUS AND METAMORPHIC ROCKS

- | | | |
|---------|---|----------|
| Miocene | Tvb | TERTIARY |
| | Volcanic breccias and tuffs Predominantly rhyolitic | |
| | Tr | |
| | Rhyolite Massive and laminated flows; also some andesite and basalt | |
| | Tv | |
| | Vent tuffs and breccias Rhyolitic; mark ancient volcanic vents | |

- | | | |
|----------------|---|----------------|
| Pre-Cretaceous | g | PRE-CRETACEOUS |
| | Granodiorite, some granite, and gneiss Locally intruded by rhyolite porphyry dikes and sills | |

- | | | |
|--------------|--|--------------|
| Pre-Jurassic | Is | PRE-JURASSIC |
| | Gabilan limestone Marble, with some quartzite and schists | |

Contacts
Dashed where approximately located

Faults
Dotted where concealed;
U, upthrown side; D, downthrown side

R1
Water well

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN
DECLINATION, 1961



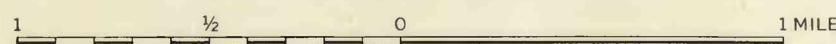
Base from Greenfield and San Benito
topographic quadrangles, scale 1:62 500

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—61004

Geology modified by R. E. Evenson, 1959,
after Philip Andrews, 1936

GEOLOGIC MAP OF PINNACLES NATIONAL MONUMENT
SHOWING LOCATIONS OF WELLS, CALIFORNIA

SCALE 1:31 680



CONTOUR INTERVAL 50 FEET
DATUM IS MEAN SEA LEVEL