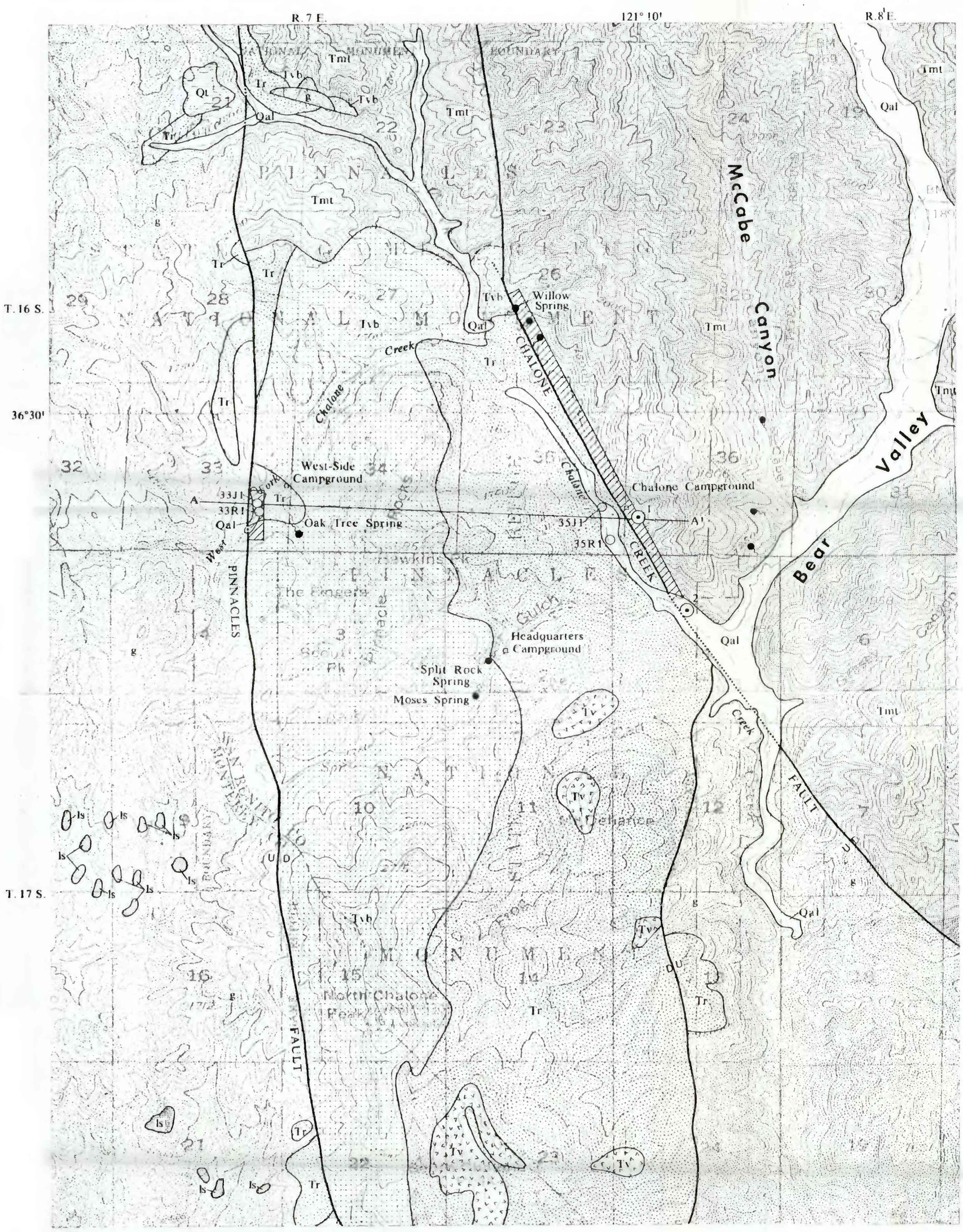


Base from Greenfield and San Benito topographic quadrangles, scale 1:62 500

Geology modified by R.E. Evenson, 1959, after Philip Andrews, 1936, and Ivan Wilson, 1943

SCALE 1:31 680

1 ½ 0 1 MILE

CONTOUR INTERVAL 50 FEET
DATUM IS MEAN SEA LEVEL

EXPLANATION

SEDIMENTARY ROCKS

QUATERNARY

Recent

Qal — Alluvium
Sand and gravel

Pleistocene

Qt — Terrace deposits
Predominantly gravel

TERTIARY

Miocene

Tmt — Temblor Formation
Fanglomerate grading upward into gravel and diatomaceous shale

VOLCANIC ROCKS

Tvb — 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

GRANITIC AND METAMORPHIC ROCKS

PRE-TERTIARY

g — Granitic rocks
Principally granodiorite, include some granite and gneiss and locally intruded by rhyolite porphyry dikes and sills

ls — Gabilan Limestone
Marble, with some quartzite and schists

Contacts
Dashed where approximately located

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

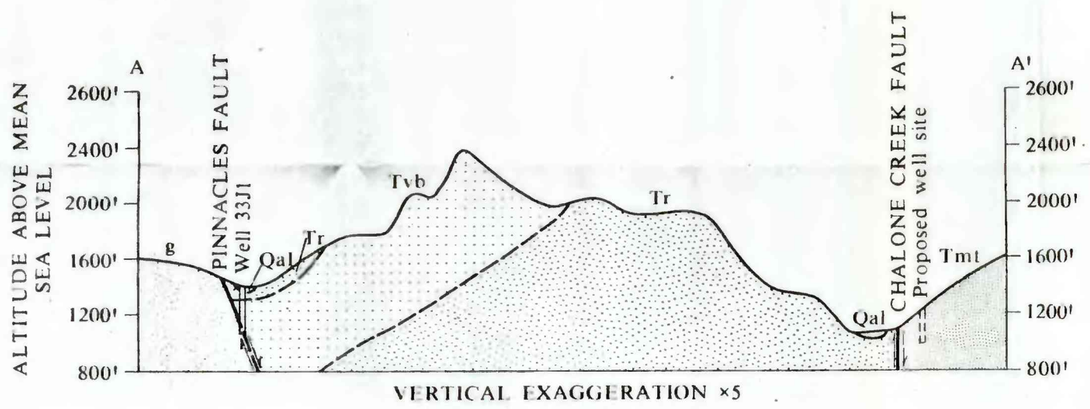
35R1
Water well

Spring or seep

2
Proposed well site

Favorable area for development of ground water

AREA OF THIS REPORT



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67-2

GEOLOGIC MAP OF PINNACLES NATIONAL MONUMENT, CALIFORNIA, SHOWING LOCATION OF WELLS FAVORABLE AREAS FOR GROUND-WATER DEVELOPMENT, AND PROPOSED WELL SITES