



EXPLANATION

- Qya Younger alluvium
- Qoa Older alluvium
- Qoa1 Qoa2 Qoa3 Qoa4 Qoa5 Qoa6 Qoa7 Qoa8 Qoa9 Qoa10 Qoa11 Qoa12 Qoa13 Qoa14 Qoa15 Qoa16 Qoa17 Qoa18 Qoa19 Qoa20 Qoa21 Qoa22 Qoa23 Qoa24 Qoa25 Qoa26 Qoa27 Qoa28 Qoa29 Qoa30 Qoa31 Qoa32 Qoa33 Qoa34 Qoa35 Qoa36 Qoa37 Qoa38 Qoa39 Qoa40 Qoa41 Qoa42 Qoa43 Qoa44 Qoa45 Qoa46 Qoa47 Qoa48 Qoa49 Qoa50 Qoa51 Qoa52 Qoa53 Qoa54 Qoa55 Qoa56 Qoa57 Qoa58 Qoa59 Qoa60 Qoa61 Qoa62 Qoa63 Qoa64 Qoa65 Qoa66 Qoa67 Qoa68 Qoa69 Qoa70 Qoa71 Qoa72 Qoa73 Qoa74 Qoa75 Qoa76 Qoa77 Qoa78 Qoa79 Qoa80 Qoa81 Qoa82 Qoa83 Qoa84 Qoa85 Qoa86 Qoa87 Qoa88 Qoa89 Qoa90 Qoa91 Qoa92 Qoa93 Qoa94 Qoa95 Qoa96 Qoa97 Qoa98 Qoa99 Qoa100
- Qu Quaternary deposits
- Qta Talus deposits
- QTKr Kern River Fm. UNCONFORMITY
- Tch Chanac(?) Formation UNCONFORMITY
- Trm Round Mtn. Silt
- To Olcese Sand
- Tfj Freeman Silt-Jewett Sand UNCONFORMITY
- Tbau Tbau, upper part
- Tbal Tbal, lower part
- Tw Walker Fm. UNCONFORMITY
- gr granitic rocks
- ms metasedimentary rocks
- Contact
- Faults
- Dashed where inferred, dotted where concealed; U, upthrown side; D, downthrown side
- Surface rupture associated with the 1952 earthquake
- Strike and dip of beds
- Landslide

Base from USGS Rio Bravo Ranch 7.5' quadrangle, 1968

SCALE 1:50,000

GEOLOGIC MAP OF THE RIO BRAVO RANCH QUADRANGLE,
CALIFORNIA
by
J. Alan Bartow

1981

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.

NOTE
The Miocene stratigraphy of the Kern River area is discussed by Adcock (1970). Descriptions of other units, such as the Kern Gravels and the Walker Formation, are given by Bartow and Dookas (1978). The basement rocks, chiefly crystalline igneous and meta-sedimentary rocks (see) are described by Ross (1980).
The location of surface ruptures associated with the 1952 Kern County earthquake was taken from the California Division of Mines and Geology (1976).
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Adcock, W. C., 1970, Miocene stratigraphy and biostratigraphy of the Kern River area, California; U. S. Geological Survey Professional Paper 802, 174 p.
Bartow, J. A., and Dookas, M. P., 1978, Preliminary geologic map of the southeastern border of the San Joaquin Valley, California; U. S. Geological Survey Miscellaneous Field Studies Map MF-584, scale 1:125,000.
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Dibble, T. W., Jr., Bruer, W. G., Havel, O. G., and Warren, A. H., 1965, Geologic map of the southeastern San Joaquin Valley (Kern River to Grapevine Canyon), Kern County, California; U. S. Geological Survey, Geology of southeastern San Joaquin Valley, California, Kern River to Grapevine Canyon; Pacific Section AAPG-SEG-SEPM Guidelines, 1965, scale 1:57,000.
Ross, D. C., 1980, Reconnaissance geologic map of basement rocks of the southeastern Sierra Nevada (north to 35° 30' N; to S. Geological Survey Open-File Report 80-307, 22 p., scale 1:125,000.