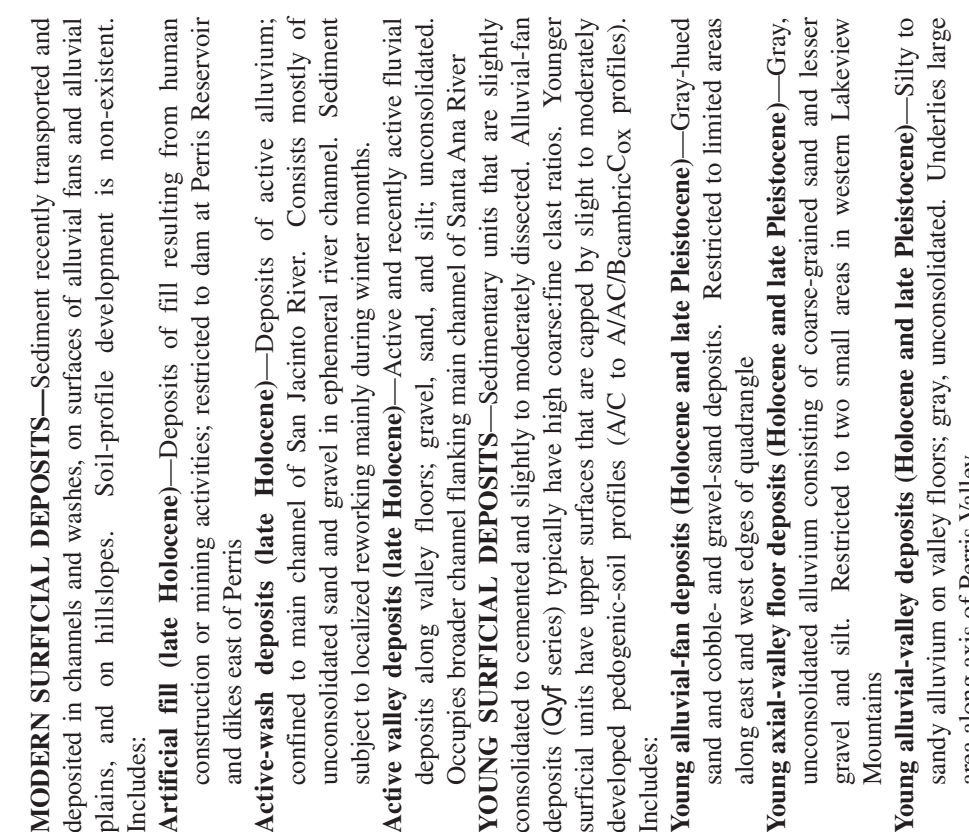


Base from U.S. Geological Survey 1:50,000-scale map of the Perris 7.5' quadrangle, Riverside County, California, 1991, 1995, and 1996. Geologic map by D.M. Morton, 1991, 1995, and 1996.

PRELIMINARY GEOLOGIC MAP OF THE PERRIS 7.5' QUADRANGLE, RIVERSIDE COUNTY, CALIFORNIA

Version 1.0 By Douglas M. Morton Digital preparation by Kelly R. Bovard and Rachel M. Alvarez U.S. Geological Survey Department of Earth Sciences University of California Riverside, CA 92521

DESCRIPTION OF MAP UNITS



MODERN SURFICIAL DEPOSITS—Sediment recently transported and deposited... Includes alluvial fans, alluvial plains, and other recent deposits. Includes a legend for units Qp through Q100.

VERY OLD SURFICIAL DEPOSITS—Sediments that are slightly to moderately indurated... Includes units Oq1 through Oq100. Describes the characteristics and distribution of these older deposits.

Lakeview Mountain pluton (Cretaceous)—Chiefly biotite hornblende granite... Describes the composition and structural features of this pluton, including its relationship to surrounding rocks.

Phyllite and schist (Mesozoic)—Dark gray to black, fine-grained, well-foliated fine-grained biotite schist and impure quartzite... Describes the metamorphic grade and structural characteristics of these rocks.

Mixed metamorphic rocks and granitic rocks (Cretaceous and Paleozoic)—Metamorphic rocks mantled by variable amounts of overgranitic rocks... Describes the complex relationships between different rock types in this area.

Heterogeneous granitic rocks (Cretaceous)—Heterogeneous mixture of granitic rocks... Describes the variety of granitic rock types and their distribution within the quadrangle.

Diolite, unfoliated (Cretaceous)—Ablate fine to medium-grained, medium to coarse-grained... Describes the characteristics of these diolite rocks, including their texture and mineralogy.

Granite dykes (Cretaceous)—Tabular, leucocratic, coarse to very coarse-grained granitic... Describes the features and orientations of granitic dykes within the study area.

Granite (unfoliated) (Cretaceous)—Leucocratic, fine to coarse-grained, and... Describes the characteristics of unfoliated granitic rocks, including their mineral composition.

Geologic Summary: The Perris quadrangle is located in the northern part of the Perris Block... Describes the regional geology, including the Perris Block and its relationship to surrounding areas.

Metamorphic rocks: Metamorphic rocks occur in the northern center of the quadrangle... Describes the distribution and characteristics of metamorphic rocks in the study area.

Granite dykes: Tabular, leucocratic, coarse to very coarse-grained granitic... Describes the features and orientations of granitic dykes within the study area.

Diolite, unfoliated: Ablate fine to medium-grained, medium to coarse-grained... Describes the characteristics of these diolite rocks, including their texture and mineralogy.

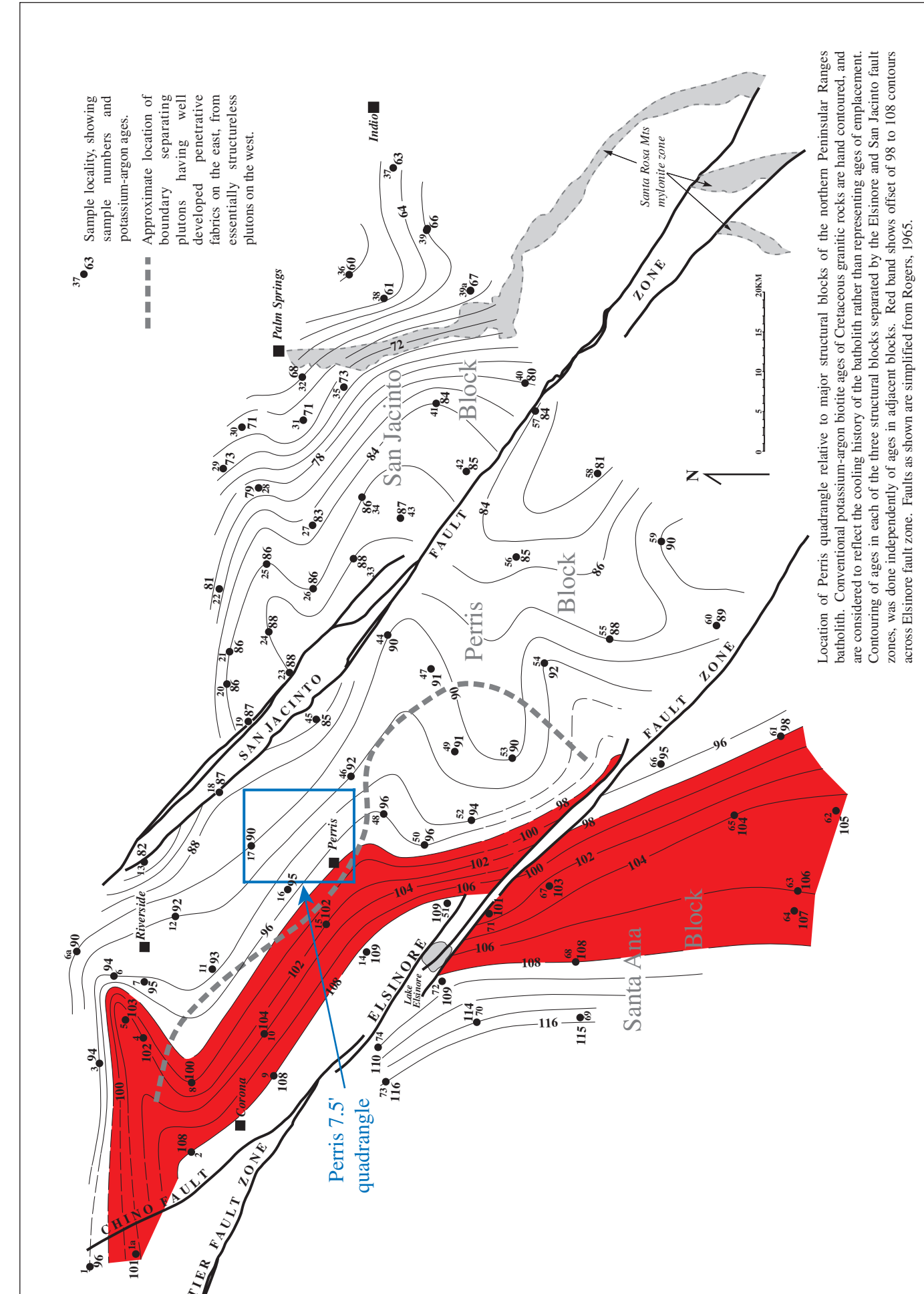
Granite (unfoliated): Leucocratic, fine to coarse-grained, and... Describes the characteristics of unfoliated granitic rocks, including their mineral composition.

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Location of Perris 7.5' quadrangle relative to major structural blocks of the western Riverside County, California. The Perris Block is shown in red. The inset map shows the location of the Perris 7.5' quadrangle within the larger context of Riverside County, California.

Geologic map by D.M. Morton, 1991, 1995, and 1996.

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards... Includes a disclaimer about the preliminary nature of the map and its use.



Geologic map by D.M. Morton, 1991, 1995, and 1996.