



Geologic Map and Digital Database of the Redlands 7.5 Quadrangle, San Bernardino and Riverside Counties, California: Open-File Report 2003-302 (Paperback)

By Jonathan C Matti

Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.Geologic Information: The Redlands 7.5 quadrangle is located in the southeastern margin of the San Bernardino Basin, an extensional region situated in a right-step-over zone within the San Andreas Fault system. The quadrangle is traversed by several important fault zones, including: (1) northwest-trending right-lateral strike-slip faults of the San Andreas system (Banning Fault, the Mission Creek and San Bernardino Strands of the San Andreas Fault, the San Jacinto Fault); (2) northeast-trending normal dip-slip faults that have downdropped the San Bernardino Basin; (3) east-trending contractional faults of the San Timoteo Canyon Fault zone. Some of these faults bound distinctive packages of crystalline basement rock. Northwest of the Mission Creek Strand of the San Andreas Fault lies an igneous and metamorphic complex characterized by textural and compositional heterogeneity. This terrane, the Wilson Creek block, is strongly gneissose but includes foliated to massive granitoid rocks intimately intermingled with the gneisses. Thin slices of the gneissose complex have been displaced a few kilometers by the San Bernardino Strand of the San Andreas, the modern trace of the San Andreas Fault in the...

Reviews

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