

EXPLANATION

- BEDROCK OF THE MOUNTAINS
- ALLUVIAL DEPOSITS—Locally may include evaporite deposits and volcanic rocks
- BASALT FLOWS
- APPROXIMATE EXTENT OF 80-100 PERCENT FINE-GRAINED FACIES OF THE LOWER BASIN FILL—Generally contains 90 to 100 percent material that is less than 0.0625 millimeters in diameter
- APPROXIMATE EXTENT OF 55-80 PERCENT FINE-GRAINED FACIES OF THE LOWER BASIN FILL—Generally contains 55 to 80 percent material that is less than 0.0625 millimeters in diameter. Where underlain by the 80 to 100 percent fine-grained facies, the areal extent of the units was assumed to be coincident
- APPROXIMATE EXTENT OF FINE-GRAINED FACIES OF THE UPPER BASIN FILL—Generally contains more than 60 percent material that is less than 0.0625 millimeters in diameter
- STREAM ALLUVIUM—Shows approximate area where stream alluvium formed a significant part of the aquifer system prior to development
- EVAPORITES—Indicates the presence of extensively interbedded evaporites or massive evaporite deposits
- GENERALIZED CONTOUR OF DEPTH TO BEDROCK—Shows approximate depth to bedrock below land surface, in thousands of feet. Contour interval variable
- WELL THAT PENETRATES THE LOWER BASIN FILL—Selected well from which data about the fine-grained facies of the lower basin fill were available. Upper number, 1700, is altitude of top of facies. Lower number, 1850, is thickness of facies. National Geodetic Vertical Datum of 1929
- WELL THAT PENETRATES THE UPPER BASIN FILL—Selected well from which data about the fine-grained facies of the upper basin fill were available. Upper number, 2600, is altitude of top of facies. Lower number, 280, is thickness of facies. National Geodetic Vertical Datum of 1929
- BOUNDARY OF GROUND-WATER BASIN

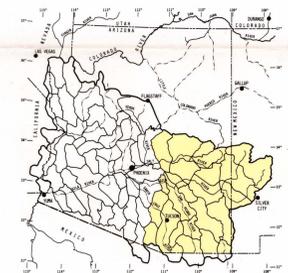
CONVERSION FACTORS

For readers who prefer to use metric units, the conversion factors for the terms used in this report are listed below:

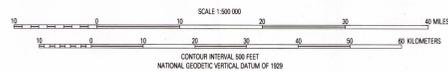
Multiply	By	To obtain
inch (in.)	25.4	millimeter (mm)
foot (ft)	0.3048	meter (m)
square mile (mi ²)	2.590	square kilometer (km ²)
foot per day (ft/d)	0.3048	meter per day (m/d)

Base from U.S. Geological Survey
State Topographic Map 1918

Geology modified from Wilson and others (1986)



INDEX MAP SHOWING STUDY AREA AND BASINS



DESCRIPTION AND GENERALIZED DISTRIBUTION OF AQUIFER MATERIALS IN THE ALLUVIAL BASINS OF ARIZONA AND ADJACENT PARTS OF CALIFORNIA AND NEW MEXICO

By
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