



Base from U.S. Geological Survey
Peach Springs, Arizona, 1:100,000, 1986

KILOMETERS 1 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
MILES 1 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
SCALE 1:100 000
1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND

RIVER AQUIFER AND ACCOUNTING SURFACE IN THE LOWER COLORADO RIVER VALLEY
PEACH SPRINGS, ARIZONA

By
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1994

EXPLANATION

GEOLOGY

QTa

OLDER ALLUVIUMS (Pleistocene, Pliocene, and Miocene)—Weakly to moderately consolidated gravel, sand, silt, and clay of local origin deposited in alluvial fans interbedded with rounded gravels, sand, silt, and clay deposited by the ancestral Colorado River. Includes the Chemsheuxi Formation (Pleistocene) that consists of gravel, sand, and silt deposited by the Colorado River

Tmc

MUDDY CREEK FORMATION (Pliocene and Miocene)—Moderately to firmly consolidated and cemented gravel, sand, silt, clay, gypsum, and halite of local origin interbedded with basalt flows. Includes the Hualapai Limestone and the rocks of the Grand Wash Trough

B

BEDROCK (Precambrian, Paleozoic, Mesozoic, and Cenozoic)—Consolidated and cemented igneous, metamorphic, volcanic, and sedimentary rocks that commonly are tilted, faulted, and folded. Nearly impermeable except for some Tertiary sedimentary rocks


GEOLOGIC CONTACT

HYDROLOGY

1205.4

ACCOUNTING SURFACE AROUND RESERVOIRS—Number is the elevation of the accounting surface, in feet. Datum is sea level

RIVER-AQUIFER BOUNDARY—Delineates the approximate limit of the river aquifer. Isolated outcrops of bedrock less than about 0.5 square mile in area within the river-aquifer boundary are not delineated

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS			
Meters	Feet			1	2	3	
1	3.2808	<p>GN Mg 13°11' 240 MILES 1978</p>	4	5			
2	6.5617						
3	9.8425						
4	13.1234						
5	16.4042						
6	19.6850						
7	22.9659						
8	26.2467						
9	29.5276						
10	32.8084						
To convert meters to feet multiply by 3.2808		UTM grid convergence (GN) and 1983 magnetic declination (Mg) at center of map. Diagram is approximate		1 Lake Mead 2 Mount Trumbull 3 Grand Canyon 4 Boulder City 5 Valley 6 Devils Dam 7 Valentine 8 Williams			
To convert feet to meters multiply by 0.3048							