



Base from U.S. Geological Survey
Mt. Trumbull, Arizona, 1:100,000, 1986

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

MOUNT TRUMBULL, ARIZONA

By
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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 Chemehuevi 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	0	00	1	2	3
2	6.5617	0	01	4	5	6
3	9.8425	0	02	7	8	9
4	13.1234	0	03	10	11	12
5	16.4042	0	04	13	14	15
6	19.6850	0	05	16	17	18
7	22.9658	0	06	19	20	21
8	26.2467	0	07	22	23	24
9	29.5275	0	08	25	26	27
10	32.8084	0	09	28	29	30
To convert meters to feet multiply by 3.2808		UTM grid convergence (NAD 83 and 1983 magnetic declination) is shown at center of map. Diagram is approximate.		Overton Litchfield Frederick Lake Mead Grand Canyon Boulder City Peach Springs Valle		