

(300)  
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No 94-4005



EXPLANATION

GEOLOGY

**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

**BOUSE FORMATION (Pliocene)**—Weakly to moderately consolidated basal limestone and marl overlain by clay, silt, and sand. Marine and estuarine sediments deposited in an arm of the proto-Gulf of California

**FANGLOMERATE (Pliocene and Miocene)**—Moderately to firmly consolidated and cemented gravel, sand, silt, clay, and gypsum of local origin deposited on tilted and faulted bedrock. Includes the upper member of the Kintor Formation

**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

ACCOUNTING SURFACE

**340**—ACCOUNTING-SURFACE CONTOUR—Shows equal elevation of the accounting surface. Interval is 4 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

Base from U.S. Geological Survey  
Alamo Lake, Arizona, 1:100,000, 1979



RIVER AQUIFER AND ACCOUNTING SURFACE IN THE LOWER COLORADO RIVER VALLEY

ALAMO LAKE, ARIZONA

By  
Richard P. Wilson  
1994

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS	
Meters	Feet	G.M. M.G.		1	2
1	3.2808			3	4
2	6.5617			5	6
3	9.8425			7	8
4	13.1234				
5	16.4042				
6	19.6850				
7	22.9658				
8	26.2467				
9	29.5275				
10	32.8084				
To convert meters to feet multiply by 3.2808		UTM grid convergence (G.M. and 1979 magnetic declination (M.G.) at center of map. Diagram is approximate		Needles 2 Parker 3 Bradshaw Mts. 4 Blythe 5 Salome 6 Phoenix North	
To convert feet to meters multiply by 0.3048					