



By
Richard P. Wilson
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GEOLOGY

Qa

YOUNGER ALLUVIUM (Holocene)—Unconsolidated gravel, sand, silt, and clay deposited on flood plains, alluvial slopes, and stream channels. Underlies the flood plain of the Colorado River. Shown only on the flood plain of the Colorado River

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. Include the Chemehuevi Formation (Pleistocene) that consists of gravel, sand, and silt deposited by the Colorado River

Tb

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

TI

PANGLOSSMERE (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

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

234

260

250

▲ 250.4

HYDROLOGY

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

ACCOUNTING SURFACE CONTOUR—Shows equal elevation of the accounting surface. Interval is 4 feet. Datum is sea level

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

Approximate limit of the river aquifer

Approximate limit of the river aquifer on the basis of probable position of the subsurface contact between older alluviums and Bouse Formation

RIVER PROFILE—Number is computed water-surface elevation, in feet. Datum is sea level

MEASUREMENT SITE IN DRAINAGE DITCH—Number is water-surface elevation, in feet. Datum is sea level

CONVERSION TABLE

Meters	Feet
1	3.2808
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
To convert feet to meters multiply by 0.3048

DECLINATION DIAGRAM

UTM grid convergence (IGN and 1983 magnetic declination) is at center of map Diagram is approximate

ADJOINING MAPS

1	2	3
4	5	
6	7	8

- Shope Hole Mts.
- Proctor
- Alamo Lake
- Eagle Mountains
- Sabino Sea
- Trigo Mountains
- Little Horn Mts.