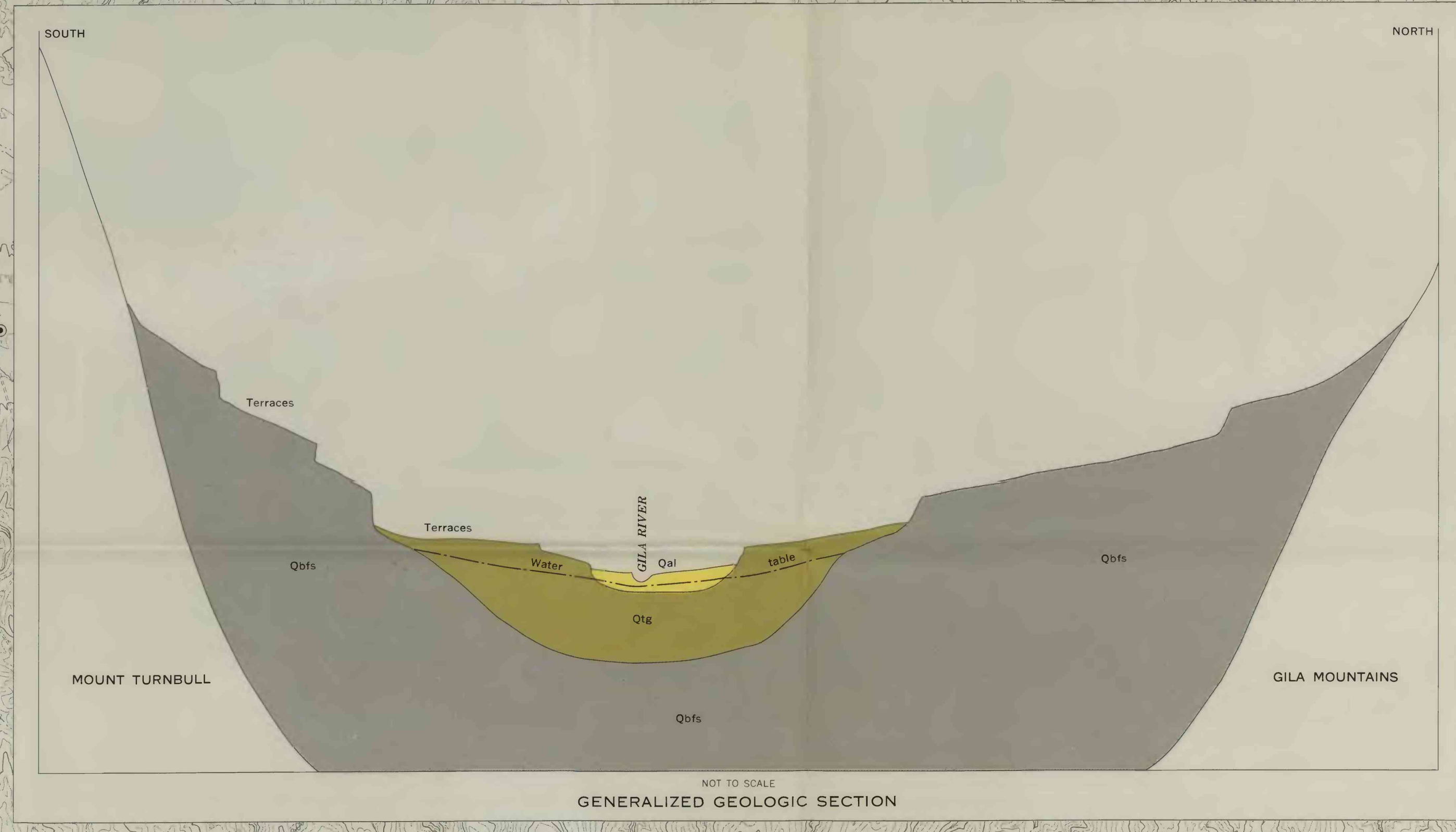


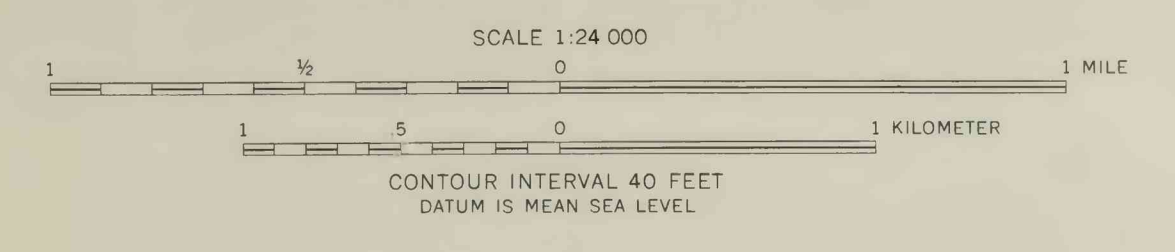


EXPLANATION

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| <p>Quaternary</p> <p>Qal
Flood-plain alluvium
<i>Underlies broad plain of stream; consists of lenticular beds of interbedded sand, silt, and gravel; 1-10 feet thick; very permeable</i></p> <p>Qta
Terrace alluvium
<i>Consists of poorly sorted cobbles, gravel, sand, and silt; generally 5-10 feet thick; locally fills channels where 12-18 feet thick; not mapped where main underlay in units of underlying basin fill; very permeable and forms continuous aquifer with flood-plain alluvium where units are in contact</i></p> <p>Qbf
Basin fill
<i>Qbf, silt and sand facies; forms bulk of exposures on edges of area; consists of even-bedded well-sorted light-brown to reddish-brown silt and light-brown very fine grained sand; poorly to moderately permeable</i>
<i>Qbf, limestone facies; interbedded thin-bedded tabular layers of white limestone, sand, siltstone, fine-grained sandstone, and white till and local beds of green clay; more than 1,000 feet thick; the limestone beds contain abundant joints and are moderately permeable</i></p> <p>Qtr
Intrusive rocks
<i>Andesite agglomerate, tuff, breccia, and minor flows and dikes associated with a volcanic vent</i></p> | <p>Geologic Symbols</p> <p>Contact
Dashed where approximate, dotted where coincident</p> <p>Fault, showing dip
Relative displacement, in feet, where known; dashed where approximate, dotted where coincident; U, upthrown side, D, downthrown side</p> <p>Anticline
Showing crestline and direction of plunge</p> <p>Direction of plunge of cross stratification of sandstone</p> | <p>Geographic Symbols</p> <p>Extent and number of cross section</p> <p>Storage rain gage</p> <p>4-inch observation well</p> <p>1546 RIVER</p> <p>Well gage</p> <p>2-inch access pipe for soil-moisture meter</p> <p>Triangulation monument</p> <p>DETAIL OF TYPICAL CROSS SECTION</p> <p>Observation well in cross sections and miscellaneous sites on flood plain</p> <p>Well drilled into basin fill</p> <p>Stream flow gaging station</p> |
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GEOLOGIC MAP OF THE GILA RIVER PHREATOPHYTE PROJECT AREA, GRAHAM COUNTY, ARIZONA



Base from U.S. Geological Survey, unedited advance prints
San Carlos, 3 NW and 3 NE, 1962 and 4 NW, 1960

Geology by E. S. Davidson and W. G. Weist, Jr., 1964-67