

EXPLANATION

Qal FLOOD-PLAIN ALLUVIUM - Underlies flood plain of stream; consists of lenticular beds of silt, sand, and gravel; 0-50 feet thick; very permeable; generally delineates area of most abundant phreatophyte growth.

Qts TERRACE ALLUVIUM - Consists of poorly sorted cobbles, gravel, sand, and silt; usually less than 40 feet thick where it underlies the flood-plain alluvium, but locally fills channels to thicknesses of as much as 75 feet; very permeable and forms continuous aquifer with flood-plain alluvium where units are in contact.

Qbf, Qbs BASIN-FILL DEPOSITS - Qbf, silt and sand facies; consists of evenly bedded well-sorted light-brown to reddish-brown silt and light-brown very fine grained sand; poorly to moderately permeable. Qbs, limestone facies; consists of interbedded white limestone, marl, siltstone, fine-grained sandstone, tuff, and local beds of green clay; more than 1,000 feet thick; the limestone beds contain abundant joints and are moderately permeable.

CONTACT - Dashed where approximately located, dotted where concealed.

CROSS SECTION AND NUMBER

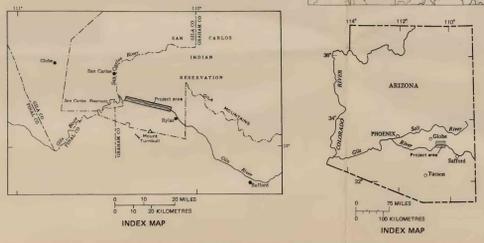
WELL DRILLED INTO ALLUVIAL DEPOSITS - Well numbers given only for wells discussed in this report.

WELL DRILLED INTO BASIN-FILL DEPOSITS - Upper symbols indicate water type; middle number indicates dissolved-solids concentration in water, in milligrams per litre; lower number indicates well number and corresponds to chemical analysis in table 3; well numbers given only for wells discussed in this report.

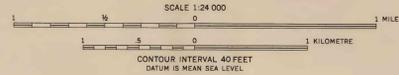
SITES AT WHICH QUALITY-OF-WATER DATA WERE COLLECTED ON TRIBUTARIES TO THE GILA RIVER - Upper number indicates dissolved-solids concentration, in milligrams per litre; slanted figure indicates dissolved-solids concentration based on specific conductance of water; lower figure indicates chemical analysis in table 2.

▲ STREAMFLOW-GAGING STATION

Quaternary
Pleistocene



MAP SHOWING LOCATION OF THE GILA RIVER PHREATOPHYTE PROJECT AREA, GRAHAM COUNTY, ARIZONA, CROSS SECTIONS, DATA-COLLECTION SITES, AND CONTACTS BETWEEN THE BASIN FILL, THE TERRACE ALLUVIUM, AND THE FLOOD-PLAIN ALLUVIUM



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

Geology by E. S. Davidson and W. G. West, Jr., 1964-67
U.S. GOVERNMENT PRINTING OFFICE: 1974-75-246-674