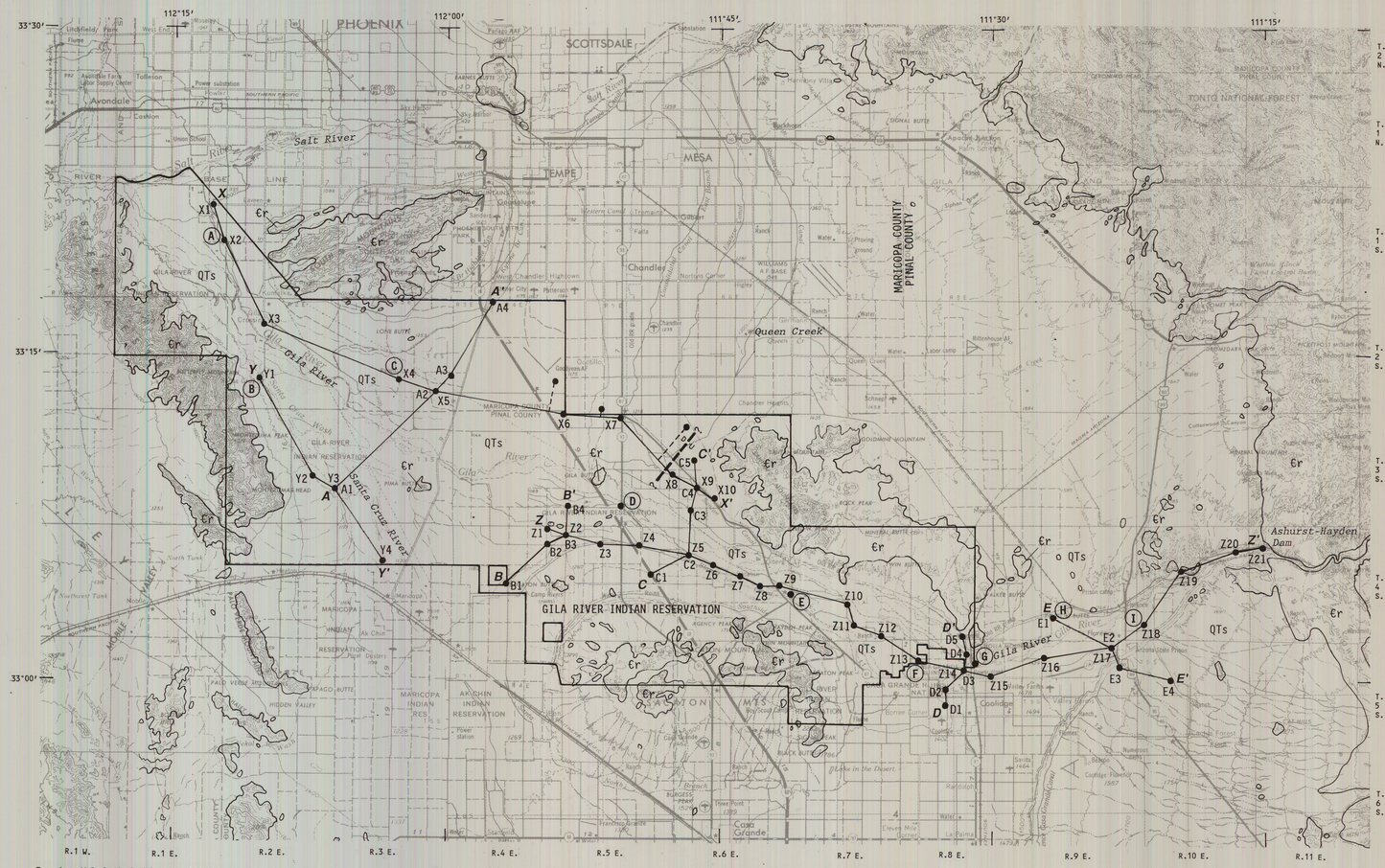


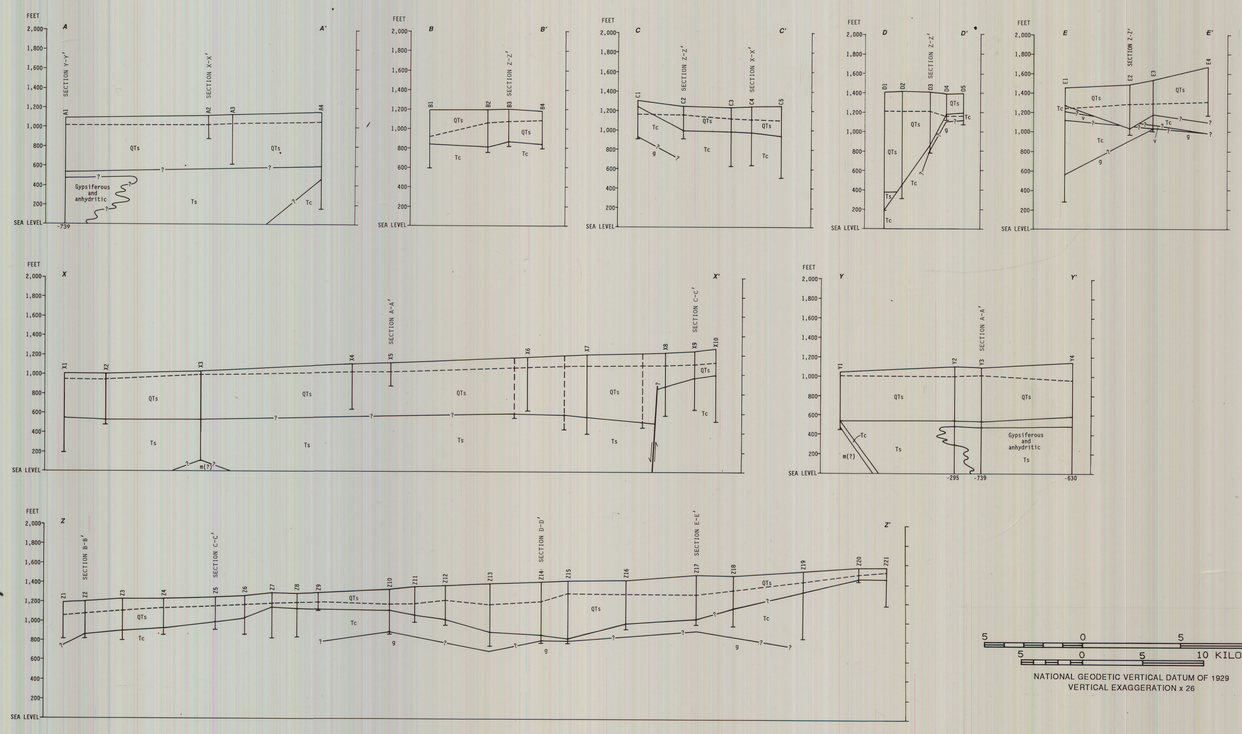
Base from U.S. Geological Survey 1:250,000
Ajo, 1953-69; Mesa, 1954-69; Phoenix,
1954-69; and Tucson, 1956-62

Geology from M.E. Cooley, 1973

5 0 5 10 MILES
5 0 5 10 KILOMETERS

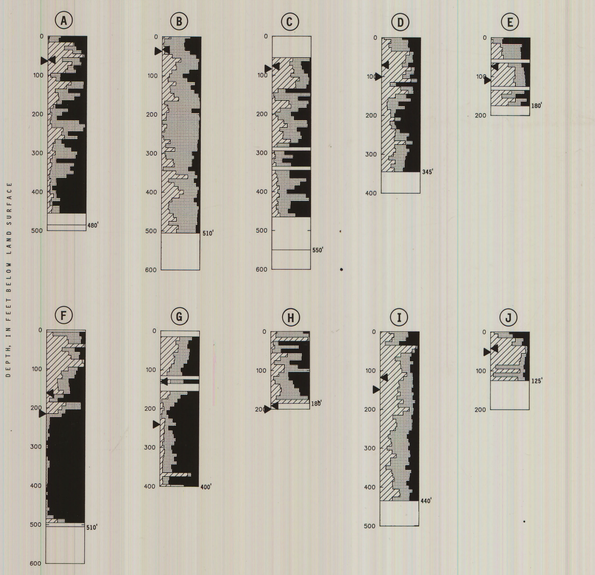
TOPOGRAPHIC CONTOUR INTERVAL 200 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

LOCATION OF GEOHYDROLOGIC SECTIONS AND SELECTED PARTICLE-SIZE DISTRIBUTION OF THE UPPER ALLUVIUM



5 0 5 10 MILES
5 0 5 10 KILOMETERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
VERTICAL EXAGGERATION x 26

GEOHYDROLOGIC SECTIONS



SELECTED PARTICLE-SIZE DISTRIBUTION OF THE UPPER ALLUVIUM

EXPLANATION

QTs	UPPER ALLUVIUM—Clay, silt, sand, and gravel	Tertiary and Quaternary
Ts	MIDDLE FINE-GRAINED UNIT—Clay, silt, mudstone, and evaporites	Tertiary
Tc	LOWER CONGLOMERATE—Conglomerate	Tertiary
€r	CONSOLIDATED ROCKS	Precambrian to Tertiary
g	Granitic	
m	Metamorphic	
v	Volcanic	

Gypsiferous and anhydritic — GYPSIFEROUS AND ANHYDRITIC CLAYEY SILT AND MUDSTONE UNIT—Approximately located. Queried where uncertain

CONTACT—Approximately located. Queried where uncertain

FAULT—Approximately located. U, upthrown side; D, downthrown side. Queried where uncertain

LINE OF GEOHYDROLOGIC SECTION—Dot is well along section line; letter and number, X6, are geohydrologic section and sequence of well in section. Dashed line is projection of well to section

WELL IN SECTION—Dashed where projected to section. Letter and number, Y3, are geohydrologic section and sequence of well in section. Number -739', is altitude of bottom of well, in feet, below sea level for wells deeper than shown on section

WATER LEVEL IN WELL—Based on water levels measured in January 1983

WELL FOR WHICH PARTICLE-SIZE ANALYSIS WAS AVAILABLE—Letter, E, identifies accompanying log

PARTICLE-SIZE DISTRIBUTION—Log interval corresponds to thickness of upper alluvium. Patterns show respective proportion by weight of gravel, sand, and silt and clay

Gravel

Sand

Silt and clay

No data

Water level—Measured or approximated in March 1984

Base water level—Measured or approximated in January 1983

180' — Total depth of upper alluvium, in feet

BOUNDARY OF GILA RIVER INDIAN RESERVATION

GEOHYDROLOGIC SECTIONS AND SELECTED PARTICLE-SIZE DISTRIBUTION OF THE UPPER ALLUVIUM IN AND NEAR THE GILA RIVER INDIAN RESERVATION, MARICOPA AND PINAL COUNTIES, ARIZONA