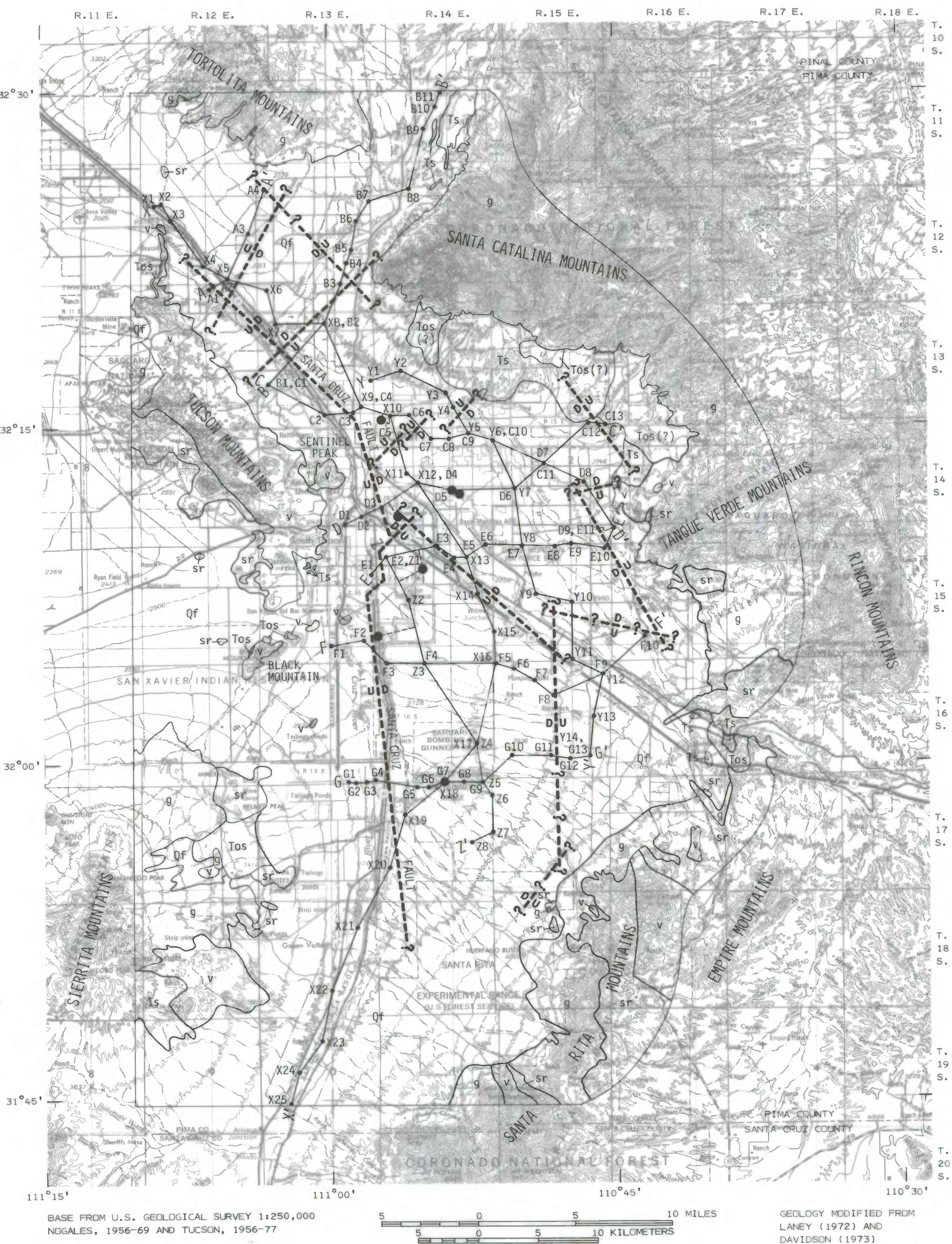
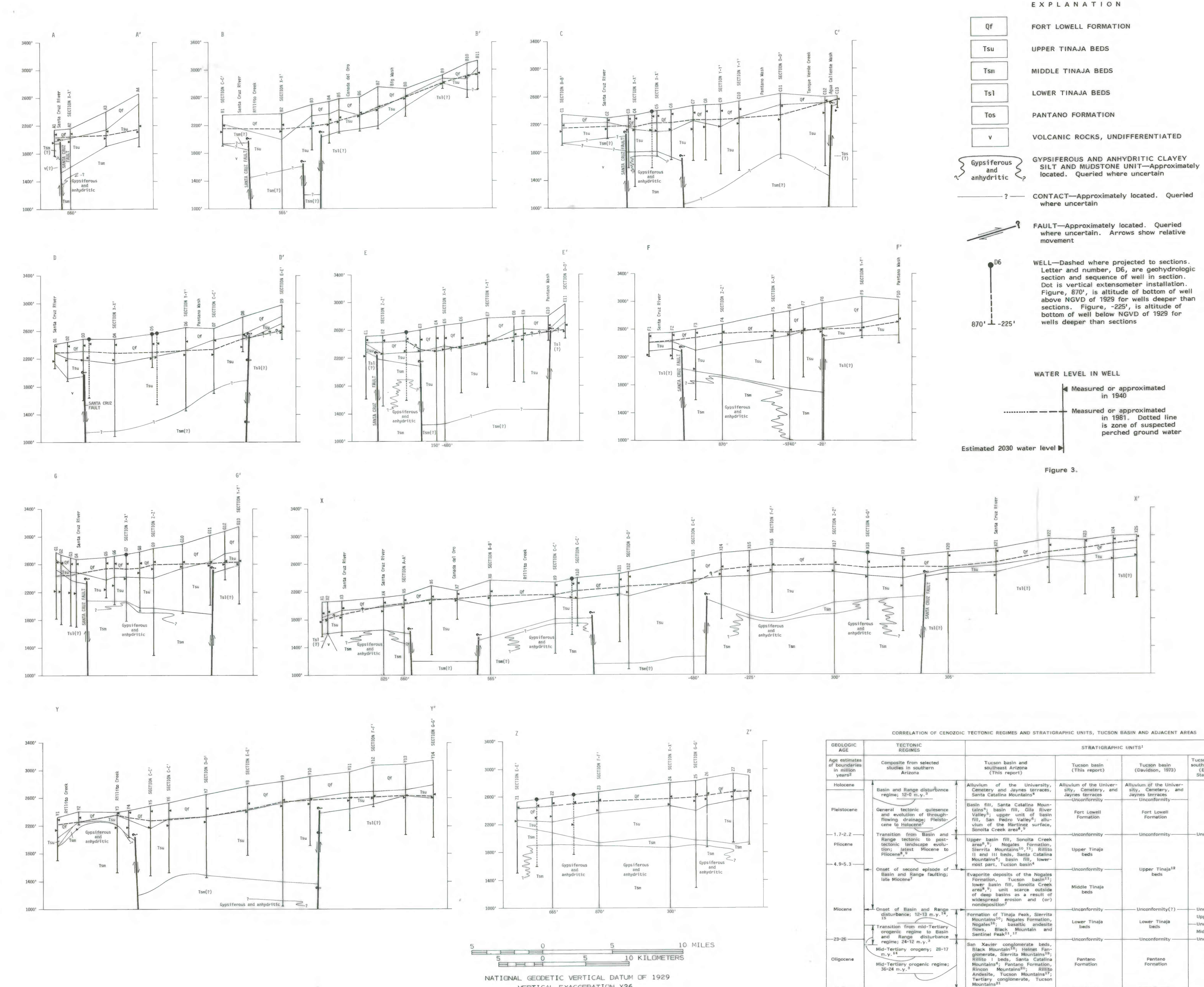


- EXPLANATION**
- QUATERNARY**
- Qf FORT LOWELL FORMATION—Gravel to clayey silt; also includes thin surficial alluvial deposits of late Pleistocene and Holocene age.
- PLISTOCENE**
- Ts TINAJA BEDS, UNDIFFERENTIATED—Gravel and conglomerate to gypsiferous and anhydritic clayey silt and mudstone. Includes tuff beds and interbedded volcanic flows.
 - Tsu Upper Tinaja beds—Gravel to clayey silt.
 - Tsm Middle Tinaja beds—Gravel and conglomerate to gypsiferous and anhydritic clayey silt and mudstone. Queried where uncertain.
 - Tsl Lower Tinaja beds—Gravel and conglomerate to clayey silt and mudstone. Queried where uncertain.
- MIOCENE AND PLEISTOCENE**
- Tos PANTANO FORMATION—Conglomerate, sandstone, mudstone, and gypsiferous mudstone. Includes megabreccia, tuff beds, and interbedded volcanic flows. Queried where uncertain.
- TERTIARY**
- V VOLCANIC ROCKS, UNDIFFERENTIATED, —Flows, necks, dikes, and plugs. Tuff, welded tuff, agglomerate, and breccia; basaltic andesite to rhyolite; includes some interbedded conglomerate, sandstone, and siltstone.
- PRECAMBRIAN TO TERTIARY**
- sr SEDIMENTARY ROCKS UNDIFFERENTIATED, —Conglomerate, sandstone, mudstone, shale and quartzite, some limestone, interbedded volcanic flows, tuffs, and agglomeratic tuff.
 - g GRANITIC ROCKS, UNDIFFERENTIATED, —Granite, quartz monzonite, granodiorite, dioritic monzonite, and quartz latite porphyry. Includes granitic gneiss and schist.
- CONTACT**
- U CONCEALED 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, B1 are geohydrologic section and sequence of well in section. Larger dot is vertical extensometer installation; dashed line is projection of well to section.



A. GENERALIZED DISTRIBUTION OF ROCK TYPES



B. GEOHYDROLOGIC SECTIONS

CORRELATION OF CENOZOIC TECTONIC REGIONS AND STRATIGRAPHIC UNITS, TUCSON BASIN AND ADJACENT AREAS

Geologic Age	Tectonic Regions	Stratigraphic Units ¹	Age in millions of years
Pliocene	Basin and Range	Fort Lowell Formation	1.1-2.2
	Basin and Range	Upper Tinaja beds	1.1-2.2
Pleistocene	Basin and Range	Middle Tinaja beds	1.1-2.2
	Basin and Range	Lower Tinaja beds	1.1-2.2
Miocene	Basin and Range	Pantano Formation	11-15
	Basin and Range	Volcanic rocks	11-15
Oligocene	Basin and Range	Upper Tinaja beds	23-28
	Basin and Range	Lower Tinaja beds	23-28
Eocene	Basin and Range	Pantano Formation	34-38
	Basin and Range	Volcanic rocks	34-38
Pre-Eocene	Basin and Range	Pre-Oligocene	34-38

¹Stratigraphic units may, in places, overlap given geologic age. ²Specific maximum age not established. Age given as probably maximum and minimum ages. ³Age based on correlation to dated sequence of upper basin (U) in the Rincon Mountains. ⁴Age based on correlation to dated sequence of upper basin (U) in the Rincon Mountains. ⁵Age based on correlation to dated sequence of upper basin (U) in the Rincon Mountains. ⁶Age based on correlation to dated sequence of upper basin (U) in the Rincon Mountains. ⁷Age based on correlation to dated sequence of upper basin (U) in the Rincon Mountains. ⁸Age based on correlation to dated sequence of upper basin (U) in the Rincon Mountains. ⁹Age based on correlation to dated sequence of upper basin (U) in the Rincon Mountains. ¹⁰Age based on correlation to dated sequence of upper basin (U) in the Rincon Mountains. ¹¹Age based on correlation to dated sequence of upper basin (U) in the Rincon Mountains. ¹²Age based on correlation to dated sequence of upper basin (U) in the Rincon Mountains. ¹³Age based on correlation to dated sequence of upper basin (U) in 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