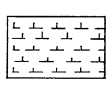
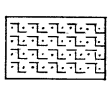
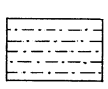
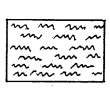
CUMULATIVE MAXIMUM THICKNESS (FT)	SYSTEM	SERIES	STRATIGRAPHIC UNIT	GENERALIZED LITHOLOGY	THICKNESS: Maximum (approx; in ft)	THICKNESS: Area of occurrence
0	QUATERNARY	Recent ?	Alluvium	Sand and gravel		
			Older Alluvium	Gravel, sand, silt, generally poorly indurated	200+?	North of San Antonio River in Southeast quarter of Williams Hill quadrangle
			UNCONFORMITY			
		Pleistocene	Paso Robles Formation	Conglomerate, generally friable, pebbles chiefly of porcelaneous rocks and chert Sandstone, arkosic, generally massive, friable, poorly sorted, commonly conglomeratic Mudstone, generally noncalcareous, beds 1 to 2 feet thick	700?	North of San Antonio River in Jolon quadrangle; upper part is absent
		?				
		Pliocene	LOCALLY GRADATIONAL CONTACT			
			Unnamed formation	Sandstone, very fine to coarse grained and pebbly, commonly in beds 6 to 24 inches thick, ranges from friable to well-cemented, very pale orange or pinkish gray, locally contains marine fossils Mudstone, massive, noncalcareous, moderately friable, pinkish-gray or white, locally diatomaceous Porcelaneous rocks, similar to those in the Monterey Shale	200+	South of San Antonio River; probably thicker north of the river
		?	GRADATIONAL CONTACT			
1000						
2000						
3000						
4000	TERTIARY	Miocene, Upper	Monterey Shale	Porcelanite and porcelaneous mudstone, generally in beds 1 to 6 inches thick, chiefly pinkish gray or very pale orange, contains fish scales and molds of Foraminifera Mudstone, noncalcareous, shaly to massive, commonly very pale orange, contains fish scales, diatoms, and molds of Foraminifera Carbonate beds and concretions, dolomitic, 6 to 24 inches thick, commonly very pale orange Chert, irregular beds 1 to 12 inches thick, generally light olive gray, brownish gray, or brownish black	6600+	Northeast part of Williams Hill quadrangle
5000						
6000						
7000			GRADATIONAL CONTACT			
			Sandholdt Member	Mudstone and shale, calcareous, friable, commonly very pale orange, Foraminifera locally abundant Siltstone, calcareous, commonly pale yellowish-brown or very pale orange, beds 2 to 24 inches thick Sandstone, fine-grained, calcareous, pale yellowish-orange, beds ½ to 36 inches thick Porcelaneous rocks, chert, and carbonate beds, similar to those in upper part of formation	480+	South of San Antonio River
8000		Middle ?	GRADATIONAL CONTACT			
		Lower	Vaqueros Formation	Sandstone, chiefly fine- or medium-grained, very light gray or yellowish gray, calcareous or noncalcareous, friable or well-cemented, marine fossils locally abundant Siltstone, generally massive, noncalcareous, hackly fracture, moderate yellowish brown	850+	South of San Antonio River, where lower part is concealed; may be much thicker in subsurface north of the river
	FAULT CONTACT IN MAP AREA					
	TERTIARY(?)	Paleocene(?)	Unnamed formation	Sandstone, chiefly massive, medium- or coarse-grained, poorly sorted, noncalcareous, moderate yellowish brown, locally conglomeratic Conglomerate, rounded pebbles and cobbles of plutonic and metamorphic rocks Siltstone, generally massive, noncalcareous, moderate yellowish brown, contains Foraminifera locally	3700+?	Northeast of Nacimiento River
	CONTACT RELATIONS UNCERTAIN					
	PRE-TERTIARY		Basement complex	Plutonic rocks		

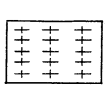
EXPLANATION

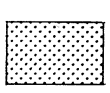

Calcareous shale

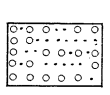

Mudstone


Siltstone


Porcelaneous rocks


Carbonate beds and concretions


Sandstone


Conglomerate

COMPOSITE GENERALIZED STRATIGRAPHIC SECTION FOR JOLON AND WILLIAMS HILL QUADRANGLES MONTEREY COUNTY, CALIFORNIA

742-998 O - 64 (In pocket)