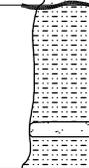
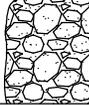
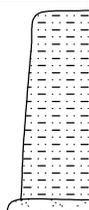
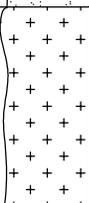


ERA	PERIOD	SERIES	FORMATION	LITHOLOGY	THICKNESS (feet)	DESCRIPTION		
CENOZOIC	QUATERNARY	PLEISTOCENE-HOLOCENE	Terrace Alluvium		<50	Terrace deposits are weakly consolidated, poorly sorted sandy gravel to medium sands. Alluvium consists of unconsolidated, moderately sorted silt, sand and gravel along respective streams		
			Purisma Formation		500+	Very thick bedded yellowish-gray tuffaceous and diatomaceous siltstone with thick interbeds of bluish-gray semifriable andesitic sandstone		
	TERTIARY	MIOCENE	<i>Unconformity</i>	Santa Cruz Mudstone		0-200	Medium- to thick-bedded and faintly laminated pale yellowish-brown siliceous mudstone with scattered spheroidal dolomite concretions; locally grades to sandy siltstone	
			Santa Margarita Sandstone		0-450	Very thick bedded and thickly crossbedded yellowish-gray to white friable arkosic sandstone		
			<i>Unconformity</i>	Monterey Formation		0-2,000	Medium- to thick-bedded and laminated olive-gray subsiliceous organic mudstone and sandy siltstone with few thick dolomite interbeds	
			Lompico Sandstone		200-350	Thick-bedded to massive yellowish-gray arkosic sandstone		
		EOCENE	Butano Sandstone	<i>Unconformity</i>	Upper Sandstone Member		3,000	Thin- to very thick-bedded medium gray arkosic sandstone with thin interbeds of medium-gray siltstone
				Middle Sandstone Mem.		250-750	Thin- to medium-bedded nodular olive-gray pyritic siltstone	
				Lower Sandstone Member		1,500	Very thick bedded to massive yellowish-gray arkosic sandstone with thick to very thick interbeds of sandy pebble conglomerate in lower part	
	<i>Unconformity</i>	Locatelli Formation		800	Nodular olive-gray to pale-yellowish-brown micaceous siltstone; massive arkosic sandstone locally at base			
MESOZOIC	CRETACEOUS		<i>Non-conformable on crystalline complex of Ben Lomond Mountain</i> Crystalline Basement			Primary quartz diorite, light gray, medium gravel, plagioclase, and quartz with lesser amounts of feldspar, biotite, and hornblende		

**COMPOSITE STRATIGRAPHIC SECTION
OF SANTA MARGARITA GROUNDWATER BASIN**
Modified from Clarke (1981)

2004 Groundwater Management Annual Report
Scotts Valley Water District
April 2005



FIGURE
3-2

Filename: