



300'  
200'  
100'  
Sea Level  
-100'

Valley Springs formation  
Lone formation Upper member  
Lone formation Lower member Lower lentil  
Jurassic Amador group and Mariposa slate

**EXPLANATION**

<b>QUATERNARY</b>	Qal	Alluvium
	Qt	Terraces
<b>MIOCENE (?)</b>	Tvs-gr	Clay rock
	Tvs-cg	conglomerate
	Tvs-tk	tan sand and undifferentiated
<b>TERTIARY</b>	Tu	undifferentiated or blk. qtz. s+s, sh, b=br+c, fc
	Ti-u	undifferentiated
	w+wc, wcs, wc+w	
	grc, brc, grc, lbrc, lb+br+c	
	b+br+c	
	b+br+c+scg	
	rbrs	
	fc	
<b>MIDDLE (?) EOCENE</b>	Ti-m	lg+lgc
	lt brc	
	wc+w	
	b+r+brc	
	wsc+cs	
	carb c+s	
	lt+b+br+c	
	reworked laterite	
	r+br+y+bc+s	
<b>EOCENE (?)</b>	Tpe-w	weathered
	Tpe-s	sandy, silty clay
	Tpe-c	carb.
	Tpe-u	unweathered
<b>JURASSIC</b>	J	Bedrock Mariposa slate and Amador group

**ABBREVIATIONS FOR  
SEDIMENTARY TYPES**

b buff  
br brown, brownish  
c clay, clayey  
carb carbonaceous  
cg conglomerate  
f ferruginous  
gr gray, grayish  
g green, greenish  
lg lignite, lignitic  
l light  
r red, reddish  
s sand, sandy  
t tan  
w white  
y yellow, yellowish  
+ and