

# GEOLOGIC TIME SCALE

ERA	PERIOD	EPOCH	YEARS BEFORE PRESENT	CALIFORNIA EVENTS	
<b>CENOZOIC</b>	<b>QUATERNARY</b>	Holocene (Post Glacial)	11 000	Post-Modesto Formation Post Glacial <10kya	
		Pleistocene (Glacial)	1 800 000	Modesto Formation 10-40kya	
				Riverbank Formation 100-300kya	
				Turlock Lake Formation 500-700kya	
				Laguna Formation 1600-2000kya	
	<b>TERTIARY</b>	<b>NEOGENE</b>	Pliocene	5 300 000	Sierran volcanism
			Miocene	23 800 000	Mehrten Formation
		<b>PALEOGENE</b>	Oligocene	33 700 000	Valley Springs volcanic episode
			Eocene	54 800 000	Gold-bearing gravels Ione Formation
			Paleocene	65 000 000	
<b>MESOZOIC</b>	Cretaceous		144 000 000	Dinosaurs	
	Jurassic		206 000 000	Sierran Nevada batholith	
	Triassic		248 000 000		
<b>PALEZOIC</b>	Permian		290 000 000		
	<b>CARBONIFEROUS</b>	Pennsylvanian	323 000 000		
		Mississippian	354 000 000		
	Devonian		417 000 000	Land plants	
	Silurian		443 000 000		
	Ordovician		490 000 000		
	Cambrian		540 000 000	Ancestral Sierran metamorphic rocks	
PRECAMBRIAN					