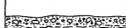
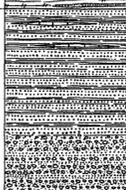


COLUMNAR SECTION

GENERALIZED SECTION FOR THE REDDING QUADRANGLE.									
SCALE: 1 INCH=2000 FEET.									
SYSTEM.	SERIES.	FORMATION NAME.	SYMBOL.	COLUMNAR SECTION.	THICKNESS IN FEET.	CHARACTER OF ROCKS.	CHARACTER OF TOPOGRAPHY.		
QUATERNARY	PLIS.	Red Bluff formation.	Qrb		200+	Gravel with few boulders and some sand.	Gravelly plains of Sacramento Valley.		
	UNCONFORMITY		Tuscan tuff.	Tt		10-400+	Volcanic conglomerate, agglomerate, and stratified tuff of andesitic material.	Stony plain of the Piedmont.	
TERTIARY	PLOCENE	Ione formation.	Ti		1-50	Chiefly sand, gravelly above, shaly and partly carboniferous below.	Canyon walls in the Piedmont plain.		
	UNCONFORMITY		Chico formation.	Kc		10-300	Sandstone and shale with conglomerate at the base.	Sandy flats, hollows, and canyons in the Piedmont plain.	
CRETACEOUS	UNCONFORMITY		Potem formation.	Jp		2000±	Largely shaly with interbedded sandstones, a few lentils of limestone, and considerable tuffaceous conglomerate.	Prominent ridges in sandstone portion, valleys in shaly portion.	
	UNCONFORMITY		Bagley andesite.	Jb		1000±	Succession of andesitic flows and tuffs.	Rugged mountains.	
	UNCONFORMITY		Modin formation.	Jm		3000±	Upper portion gray shaly sandstone and shale, with few lentils of limestone; lower portion volcanic conglomerate containing fragments of fossiliferous Hosselkus limestone.	Ridges and hills.	
	UNCONFORMITY		Brock shale.	Tb		400	Dark calcareous shale, sandy and reddish above.	No pronounced effect on topography.	
TRIASSIC	UNCONFORMITY		Hosselkus limestone.	Th		250	Massive gray limestone above, thinner-bedded, darker limestone below.	Rugged crest of Brock Mountain.	
	UNCONFORMITY		Pit formation.	Tp		2000+	Black and gray shale, weathering whitish, thin-bedded, fine sandstone, and interbedded rhyolitic tuff.	Hills, valleys, and low mountains.	
	UNCONFORMITY		Bully Hill rhyolite.	Tbh		500±	Bedded tuffs and lava flows, andesitic below, rhyolitic above, all more or less altered.	Prominent peaks and mountains.	
	UNCONFORMITY		Dekkas andesite.	Td		1000±	Tuffaceous shale with minute marine organisms in andesitic portion.	Prominent peaks and mountains.	
	UNCONFORMITY		Nosoni formation.	Cn		1000±	Chiefly tuff and tuffaceous conglomerate, with some shale, sandstone, and occasional lenses of fossiliferous limestone.	Mountains and high spurs.	
CARBONIFEROUS	PENNSYLVANIAN	UNCONFORMITY		McCloud limestone.	Cm		200-2000	Massive gray limestone with cherty nodules; extensively intruded by dioritic rocks.	Prominent ridges and spurs.
		UNCONFORMITY		Baird formation.	Cb		600	Chiefly tuff, with thin-bedded sandstone and siliceous shale at top.	Mountain slopes and narrow ridges.
	MISSISSIPPIAN	UNCONFORMITY		Bragdon formation.	Cbd		2900-6000	Thin-bedded, black shale, sandstone, and conglomerate composed largely of pebbles of Devonian sediments containing Kennett fossils and fragments of contemporaneous flows and older volcanics.	Deeply dissected highlands forming the valley of Little Sacramento River.
		UNCONFORMITY		Kennett formation.	Dk		865+	Chiefly black shale, often cherty, with some thin-bedded sandstone containing fossiliferous limestone lentils.	Low ridges with limestone ledges.
DEVONIAN OR OLDER	UNCONFORMITY		Balaklala rhyolite.	br		500±	Andesite and rhyolite flows with some tuffs; andesite altered and green in color; rhyolite gray, but stained by iron on surface.	Prominent ridges and plains.	
	UNCONFORMITY		Copley metaandesite.	cma		1000±	Andesite and rhyolite flows with some tuffs; andesite altered and green in color; rhyolite gray, but stained by iron on surface.	Prominent ridges and plains.	

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Geologist.