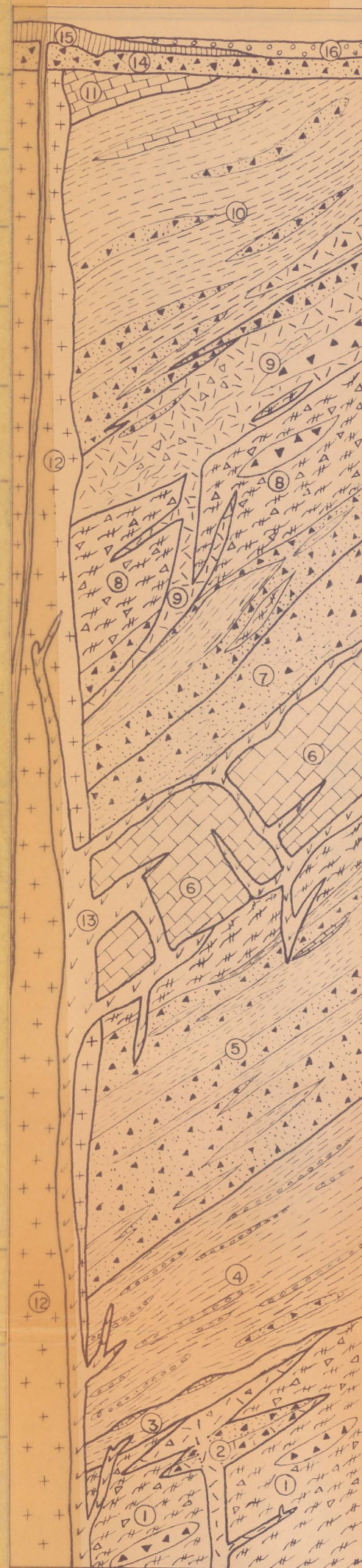


U. S. Geological Survey
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Formation	Age	Thickness in feet	Lithology and remarks	Economic value	No. on diagrammatic section
Unconsolidated deposits	Quaternary	0-100	Includes alluvial material in stream valleys, rock and soil mantle on hill- slopes, talus, local terrace deposits, and landslide debris.	None	16
-----Unconformity-----					
Basalt	Pliocene(?)	0-200	Small bodies of basalt that locally cap hilltops and ridges in south- eastern part of the map area.	None	15
-----Unconformity(?)-----					
Tuscan formation	Pliocene	0-360	Tuff breccia, consisting of poorly lithified aggregate of blocks, la- pilli, and volcanic ash.	None	14
-----Unconformity-----					
Quartz diorite and related rocks	Early Cretaceous(?) or Late Jurassic(?)	-----	Includes fine grained mafic quartz diorite, medium grained augite quartz diorite, fine grained diorite, albite diabase, and minor granodiorite.	None	13
-----Unconformity(?)-----					
Pit River stock	Early Cretaceous(?) or Late Jurassic(?)	-----	Leucocratic granodiorite, albite granite, and quartz diorite, with minor aplite.	None	12
-----Unconformity-----					
Hoselkus limestone	Upper Triassic	0-250	Thick-to thin-bedded light gray lime- stone containing abundant fossils.	Potential source of lime pro- ducts.	11
-----Unconformity-----					
Formation	Middle and Upper(?) Triassic	2000-4400	Predominantly medium-gray to black shale and siltstone, with abundant lenses of metadacite tuff and quartz keratophyre tuff. Also includes lenses of limestone and lava flows.	Host rock for sul- fide de- posits.	10
-----Unconformity-----					
Bully Hill rhyolite	Triassic(?)	100-2500	Chiefly quartz keratophyre lava flows and pyroclastics but includes metadacite, keratophyre, and shaly tuff. Also includes quartz kera- tophyre dikes in the Dekkas andesite.	Host rock for sul- fide de- posits.	9
-----Unconformity-----					
Dekkas andesite	Permian and Triassic(?)	1000-3500	Chiefly keratophyre and spilitic lava flows and pyroclastics, with lenses of siliceous mudstone and quartz kera- tophyre in upper part.	None	8
-----Unconformity(?)-----					
Johnson formation	Permian (Leonard- Guadalupian)	0-2000	Chiefly tuffaceous mudstone and tuff interlayered with subordinate tuff breccia. Fossils abundant in some tuffaceous mudstone beds.	None	7
-----Unconformity-----					
McCloud limestone	Permian (Hueco and Leonard?)	500-2500	Thin- to very thick-bedded light gray limestone, with local layers of chert and chert nodules. Many beds contain abundant fossils.	Host for contact metasoma- tic mag- netite de- posits. Potential source of lime pro- ducts.	6
-----Unconformity-----					
Baird formation	Mississippian	3000-5000	Lower part consists dominantly of pyroclastic rock with subordinate mudstone and keratophyre flows; middle part chiefly siliceous mudstone, with subordinate tuff and minor limestone; upper part is keratophyric lava and volcanic breccia.	None	5
-----Unconformity(?)-----					
Bragdon formation	Mississippian(?)	0-3000	Mainly shale and mudstone, with numerous lenses of grit and chert conglomerate; locally a few lenses of tuff and sandstone.	None	4
-----Unconformity-----					
Kennett formation	Upper Middle Devonian	0-400	Chiefly dark gray siliceous mudstone, tuff, and brownish-gray tuffaceous mud- stone containing fossils; small lenses of light gray limestone in upper part.	Potential source of lime pro- ducts.	3
-----Unconformity-----					
Balaklala rhyolite	Devonian(?)	1000 ±	Quartz keratophyre lava flows and pyroclastic rocks.	Host for massive sulfide deposits in West Shasta copper- zinc dis- trict.	2
-----Unconformity-----					
Copley greenstone	Devonian(?)	2000 ±	Keratophyric and spilitic lava flows and breccias; includes minor quartz keratophyre tuff.	None	1



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