System	Series	Formation and member	Thickness (feet)	Character of rocks
Cretaceous	Upper Cretaceous	Mancos shale	400+	Gray and black marine shales, with a few thin limestones near base. Marine fauna abundant. Only lower part of formation preserved in subdued slopes on mesa tops.
		Dakota sandstone	160-210	Light-colored massive conglomeratic sandstone at base, with chert pebbles, some carbonaceous shales, and fossil wood. Carbonaceous shales, some thin coal beds, and thin even-bedded sandstones at center. Interbedded thin sandstones and carbonaceous shales above; forms rim and capping of most mesas in quadrangle.
	Lower Cretaceous	Unconformity(?)		
		Burro Canyon formation	0-70	Light-colored conglomeratic sandstone and conglomerate, contains chert pebbles, green or gray mudstones and siltstones. Fills and overlaps channels cut in Brushy Basin member. Present in only a few places. Forms steep cliff.
		Unconformity(?)		
Jurassic	Upper Jurassic	Morrison formation: Brushy Basin shale member	330-390	Interbedded mudstones and siltstones, variegated, mostly red, gray, green, and purple. Most units limy. A few thin very fine-grained blocky sandstones, some with siliceous cement. Conglomeratic sandstone lenses, containing chert pebbles, at a few places. Forms steep covered slope.
		Morrison formation: Salt Wash sandstone member	300-365	Lenticular, channel-filling sandstones interbedded with sandy and limy mudstones. Sandstones are light yellowish-brown and pale-brown, cross-bedded, medium grained. Mudstones are reddish-brown and grayish-green. Clay flecks, galls, mudstone seams, and fossil wood are abundant in the sandstones. Few thin limestones near base. Light yellowish-brown thin evenly bedded fine- to medium-grained sandstone at base. Forms alternate cliffs, slopes, and ledges.
		Morrison formation (670-755)		Greenish-gray and reddish-brown limy siltstones, rubbly weathering, nodular. Few very thin very fine-grained limy sandstones. Forms steep covered slope.
		Wanakah formation: Marl member	37-65	Light-colored even-bedded fine-grained sandstone. Thin even-bedded carnelian chert bearing sandstone at top. Forms rounded or ledgy cliff.
		Wanakah formation: Bilk Creek sandstone member	15-40	
		Wanakah formation: Pony Express limestone member	0-9	Dark bluish-gray to black dense microcrystalline petroliferous limestone, unfossiliferous, fetid. Absent in western half of quadrangle.
		Wanakah formation (80-110)		
		Entrada sandstone	40-75	Massive light-colored crossbedded fine- to medium-grained sandstone. Mixed grain sizes in lower part; thin, even-bedded at top. Contains V-U deposits. Forms rounded cliff.
		Unconformity		
Triassic	Upper Triassic	Dolores formation: Wingate sandstone equivalent	20-70	Reddish-brown massive thick crossbedded very fine-grained sandstone, few silty interbeds. Absent in places. Forms steep rubbly slope or sheer cliff.
		Dolores formation: Unit D	90-125	Lenticular brick-red and reddish-brown siltstones, very fine-grained sandstones, limestone pebble and granule conglomerates, rare thin limestones; micaceous; crossbedded. Forms steep rubbly slopes and ledges.
		Dolores formation: Unit C	180-200	Even-bedded and crossbedded brick-red siltstones and very fine-grained sandstones; limestone conglomerates absent. Forms steep slopes and ledges.
		Dolores formation: Unit B	120-140	Lenticular brick-red and reddish-brown siltstones, very fine-grained sandstones, numerous limestone pebble and granule conglomerates; micaceous; crossbedded; has a few thin limestones. Forms gentle to steep rubbly slopes and ledges.
		Dolores formation: Unit A	20-65	Light-colored quartz-pebble and granule conglomerate and conglomeratic sandstone; minor amount of feldspar; crossbedded. Forms thick rounded cliffs and ledges.
		Unconformity		
Permian		Cutler formation	1,100+	Interbedded grayish-red and purplish-red arkosic siltstones, sandstones, conglomeratic sandstones, and conglomerates, some arkoses. Sediments are abundantly micaceous. Units are lenticular, with numerous cut- and fill-structures. Most conglomerates are pebble and cobble size, some are boulder size. Greenstone conglomerates numerous below top 350 feet. Contains a few thin, unfossiliferous red limestones. Base of formation not exposed in quadrangle. Forms sheer cliffs, steep slopes, and narrow benches.

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GENERALIZED COLUMNAR SECTION OF THE SEDIMENTARY ROCKS OF THE PLACERVILLE QUADRANGLE, COLORADO