

ERA	SYSTEM	SERIES	GROUP	Formation and member	Thickness (feet)	Character of rocks	
							UNCONFORMITY
CENOZOIC	TERTIARY	MIOCENE(?)		Bishop conglomerate	200-800	Chalky-white, medium- to coarse-grained, in part tuffaceous, sandstone on Diamond Mountain, and to the west, light-tan boulder conglomerate in matrix of coarse-grained sand; bed of chalky-white tuffaceous sandstone near the base	
				UNCONFORMITY			
		EOCENE AND OLIGOCENE(?)		Siltstone, sandstone, and conglomerate	0-2,000	Tan, red, and drab sandy siltstone, fine-grained sandstone, and conglomerate interbedded. Includes equivalents of the Uinta, Green River, and Duchesne River formations of the Uinta Basin	
				UNCONFORMITY			
	CRETACEOUS	UPPER CRETACEOUS		Mesaverde formation	Upper member	600	Light-gray to brown, fine- to medium-grained sandstone and dark-gray to light brownish-gray lignitic shale
					Lower member	500	Light-gray, thick-bedded to massive, fine- to medium-grained sandstone and medium-grained light-gray speckled sandstone
				Mancoes shale	Upper shale member	4,900	Medium to dark-gray massive siltstone and clay shale with thin lenticular beds of tan to brown sandy limestone
					Frontier sandstone member	140-270	Massive to thick-bedded, in part crossbedded, medium-grained, gray to tan sandstone above and dark-gray, tan-weathering sandy shale below
					Mowry shale member	30-120	Dark-gray, hard, fissile, light-gray weathering shale; locally nonfissile at base
					LOWER AND UPPER CRETACEOUS		Dakota sandstone
	UNCONFORMITY						
	MESOZOIC	JURASSIC		San Rafael group	Morrison formation	830-930	Light-gray, very fine grained sandstone, variegated mudstone and shale, fine- to medium-grained sandstone, and thin lenticular beds of coarse-grained pebbly sandstone
Curtis formation					150-270	Greenish-gray, medium- to coarse-grained glauconitic sandstone at the base, overlain by soft greenish-gray shale, which contains thin intercalations of fine-grained calcareous sandstone and hard oolitic sandy limestone	
UNCONFORMITY							
Entrada sandstone					105-215	Fine- to medium-grained, light-gray, friable sandstone interbedded to the west with light-gray to red, very fine grained sandstone and siltstone	
MIDDLE JURASSIC				Carmel formation	125-390	Soft, red sandy shale, fine-grained sandstone, thin beds of platy, light-gray calcareous mudstone and fossiliferous light-gray limestone	
JURASSIC(?)				Navajo sandstone	720-1,030	Light-gray to buff, fine- to medium-grained crossbedded sandstone	
TRIASSIC		UPPER TRIASSIC		Chinle formation	230-265	Red, purple, and brown fine-grained sandstone, and red shale overlain by fine-grained, light-gray to weak yellowish-orange sandstone with thin partings of weak-red shale	
				Shinarump conglomerate	0-90	Light-gray, medium- to coarse-grained, in part conglomeratic, sandstone	
				UNCONFORMITY			
				Moenkopi formation	820-1,120	Thin-bedded reddish-brown siltstone and fine-grained sandstone with partings of weak red sandy shale and thin beds of light greenish-gray, fine-grained sandstone	
PALEOZOIC	PERMIAN		Park City formation	70-195	Light gray-green to olive-green phosphatic shale and phosphate rock overlain by slabby-weathering light-gray cherty limestone, dolomite and limy sandstone, and light-gray shale		
			UNCONFORMITY				
	CARBONIFEROUS	PENNSYLVANIAN	Weber sandstone	1,015-1,275	Massive, fine- to medium-grained, light-gray slightly calcareous sandstone		
			Morgan formation	1,030-1,450	Light- to dark-gray, fine- to coarse-grained, thin- to thick-bedded cherty limestone at the base, overlain by (1) soft, red, sandy shale, fine-grained sandstone, and argillaceous limestone, and (2) calcareous, fine- to medium-grained, tan to red sandstone and thin interbeds of light-gray to pink, medium- to coarse-grained limestone		
			Black shale unit	0-265	Dark-gray to black highly organic shale with thin beds of greenish sandstone, tan sandy limestone, and black fossiliferous limestone		
	MISSISSIPPIAN	Limestone unit	965-1,220	Light- to dark-gray, fine- to medium-grained cherty limestone and dolomitic limestone			
		UNCONFORMITY					
	CAMBRIAN	UPPER(?) CAMBRIAN		Lodore formation	0-155	Light-gray to pink, coarse-grained, massive to thick-bedded and cross-laminated, arkosic sandstone	
				UNCONFORMITY			
	PRE-CAMBRIAN			Uinta Mountain group	Undivided	3,000-4,000	Tan to dark-gray or greenish-gray sandy shale underlain by light-tan to dull-red, thick-bedded sandstone and quartzitic sandstone. Base not exposed. Rests on Red Creek quartzite in Browns Park in northwestern Colorado

GENERAL SECTION OF ROCK FORMATION IN AREAS
BETWEEN UINTA RIVER AND BRUSH CREEK