

SYSTEM	SERIES	FORMATION	MEMBER	THICKNESS (FEET)	CHARACTER	WATER SUPPLY
Cretaceous	Upper Cretaceous	Mancos Shale		Top not exposed	Gray marine shale; few thin beds of sandstone near base; few thin beds of limestone. Underlies Grand Valley and forms Book Cliffs	Weathered zone contains meager amounts of highly mineralized water; generally not used as source of water; water generally unconfined
		Dakota Sandstone		150±	Coarse white basal conglomerate, lignitic shale, buff sandstone, and thin beds of lignite. Sandstone forms ledges and cliffs	Yield small supplies of water to a few wells; water generally is salty; locally contain pockets of natural gas; water generally under low artesian head
	Lower Cretaceous	Burro Canyon Formation		50-120	Buff sandstone, generally iron stained, and green-hued siltstone and mudstone; sandstone locally conglomeratic. Forms cliffs where largely sandstone	
Jurassic	Upper Jurassic	Morrison Formation	Brushy Basin Member	260-340	Mainly red, green, brown, purple, and gray-white siltstone and mudstone; contains some bentonitic beds and a few thin beds or lenses of white to brown sandstone and limestone	Yields no water to wells in this area, but some sandstones contain water locally
			Salt Wash Member	190-312	Similar to Brushy Basin Member, but contains thick lenticular sandstone beds and, in lower part, thin beds of dove-gray limestone	One or more sandstone lenses in lower part yield small supplies of soft water to a few wells; water under moderate artesian head
		Summerville Formation		40-60	Red, green, gray, purple, and brown mudstone and siltstone, and persistent thin beds of hard sandstone, some ripple marked	Yields no water to wells in this area
			Moab Member		White to gray evenly bedded fine-grained sandstone, some ripple marked. Forms steps; of probable Curtis age	
		Entrada Sandstone	Slick Rock Member	60-200	Salmon-colored to pink fine-grained generally crossbedded sandstone, containing scattered grains of medium- to coarse-grained sand. Forms cliffs	Yield small supplies of soft water to many wells in area; water under moderate to high artesian head except in local areas of concentrated development
Triassic(?)	Upper Triassic (?)	Kayenta Formation		0-127	Medium- to coarse-grained highly lenticular hard sandstone; some lenses of red or purple siltstone and mudstone; and some lenses of conglomerate and conglomeratic sandstone. Forms benches	No wells end in this formation but may yield small amount to wells drilled into underlying Wingate sandstone
Triassic	Upper Triassic	Wingate Sandstone		215-370	Thick beds of salmon-colored to buff fine-grained generally crossbedded sandstone. Forms cliffs; many cliff faces coated with desert varnish	Yield small supplies of soft water to several wells that obtain water also from Entrada Sandstone; therefore, contribution from Wingate alone generally not known. Water under moderate to high artesian head
		Chinle Formation		80-120	Red siltstone containing a few thin lenses of green-hued limestone or limestone conglomerate. Forms slopes	Yields no water to wells in this area
		Precambrian complex		Base not exposed	Schist, gneiss, granite, and pegmatite dikes	Weathered zone supplies water to a few small springs in canyons

GENERALIZED SECTION OF ROCK FORMATIONS IN THE GRAND JUNCTION  
AREA, COLORADO, EXCLUDING QUATERNARY DEPOSITS