

Figure 12

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Era	System	Series	Stratigraphic Unit	Thickness (feet)	Physical Description	Hydro-geologic Unit	Saturated Thickness (feet)	Hydrologic Characteristics
Cenozoic	Tertiary	Eocene	Uinta Formation	0–1,400	Silty sandstone, siltstone and marlstone	Upper Piceance Basin aquifer		Conductivity range <0.2 to >1.6 ft/day; yield 1 to 900 gpm; transmissivity 610–770 ft²/day
			Green River Formation	As much as 5,000	<i>Parachute Creek Member</i> kergonous, dolomitic marlstone and shale 500–1,800 ft	Mahogany confining unit		
					<i>Anvil Points Member</i> shale, fine-grained sandstone and marlstone 0–1,870 ft	Lower Piceance Basin aquifer		Conductivity range <0.1 to >1.2 ft/day; yield 1 to 1,000 gpm; transmissivity 260–380 ft²/d
					<i>Garden Gulch Member</i> claystone, siltstone, clay-rich oil shale and marlstone 0–900 ft	Confining unit		
		Wasatch Formation	About 5,000	Shale and lenticular sandstone	Fort Union aquifer			
Mesozoic	Cretaceous	Paleocene	Fort Union Formation	Very thin	Coarse-grained sandstone			
		Upper Cretaceous	Mesaverde Group	Averages 3,000 may be >7,000	<i>Fox-Hills Sandstone, Lewis Shale, Williams Fork Formation, Iles Formation</i> ; sandstone interbedded shale and coal	Mesaverde aquifer	<500–2,000	
			Mancos Shale	More than 7,000	Mainly shale but Frontier Sandstone may be local aquifer	Mancos confining unit		