Table 2.--*Rock and hydrogeologic units in the Green River-Moab area and vicinity*

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[Based in part on Hite and Lohman (1973, p. 9), Andrews and Hunt (1956), Sanborn (1958), Hintze and Stokes (1964), Hanshaw and Hill (1969), and Cater (1970)]

System	Series	Rock unit	Maximum thickness (meters)	Character	Hydrogeologic unit	
Tertiary	Eocene	Wasatch Formation	1,200	Dark-red sandstones and shale	Upper ground-water system	Tertiary and Cretaceous confining beds. Transmit little water.
				Unconformity		
Cretaceous	Upper Cretaceous	Mesaverde Group: -----	2,000	Sandstone with thin coal seams and shale		
		Mancos Shale	600	Dark-gray fissile marine shale		
		Dakota Sandstone	60	Interbedded sandstone and conglomerate, carbonaceous shale, and impure coal		
				Unconformity		
	Lower Cretaceous	Burro Canyon Formation	90	Sandstone and conglomerate, green and reddish-purple shale		
Jurassic	Upper Jurassic	Morrison Formation: Brushy Basin Member	230	Variegated bentonitic mudstone, siltstone, red sandstone and conglomerate, thin limestone beds		
		Morrison Formation: Salt Wash Member	130	Lenticular sandstones, mudstone, few thin limestone beds		
	Middle Jurassic	Summerville Formation	30	Thin-bedded sandstone, sandy shale, and mudstone		Mesozoic sandstone aquifer. Transmits water through primary and secondary openings.
		San Rafael Group: Entrada Sandstone: Moab Member	30	White cross-bedded fine-grained sandstone		
		San Rafael Group: Entrada Sandstone: Slick Rock Member		Cross-bedded buff, orange, and white fine-grained sandstone		
		San Rafael Group: Entrada Sandstone: Dewey Bridge Member	45	Red earthy sandstone and siltstone. Contorted bedding. Called Carmel in old reports		
				Unconformity		
	Lower Jurassic	Glen Canyon Group: Navajo Sandstone	150	Buff and gray cross-bedded fine-grained sandstone		
Triassic(?)	Upper Triassic(?)	Glen Canyon Group: Kayenta Formation	90	Lenticular channel sandstone, siltstone and mudstone		
		Glen Canyon Group: Wingate Sandstone	150	Fine-grained reddish-brown, thick-bedded, massive and cross-bedded cliff forming sandstone		
Triassic	Upper Triassic	Chinle Formation	230	Reddish siltstone, sandstone, and mudstone; some conglomerate		
				Unconformity		
	Middle(?) and Lower Triassic	Moenkopi Formation	300	Brown shale, mudstone, arkosic sandstone and conglomerate. Thin beds of gypsum locally near base		Mesozoic and Upper Paleozoic confining beds. Generally transmit little water except for some sandstones in the lower three units, which are more transmissive.
				Unconformity		
Permian	-----	Cutler Formation including the White Rim Sandstone Member	2,700	Red arkosic sandstone and conglomerate, some red sandy siltstone and mudstone		
	Upper and Middle Pennsylvanian	Rico Formation	175	Similar to Cutler but contains few beds of marine limestone		
				Local unconformity		
Pennsylvanian	Middle Pennsylvanian	Hermosa Formation: Upper member	600	Fossiliferous gray limestone, some shale and lenticular sandstone		
		Hermosa Formation: Paradox Member	4,000	Mostly bedded salt; some gypsum, carbonaceous shale, and sandstone, and dolomite interbeds		Evaporite confining beds. Probably do not transmit water
		Hermosa Formation: Lower member (equivalent to "Pinkerton Trail Formation" of local usage)	60	Interbedded limestone, dolomite, shale, and anhydrite	Lower ground-water system	Upper Paleozoic confining beds. Transmit little water.
	Lower Pennsylvanian	Molas Formation	60	Interbedded red siltstone, sandstone, limestone, and shale		
				Unconformity		
Mississippian		Leadville Limestone equivalents	60	Dolomite and limestone		
Devonian	Upper Devonian	Ouray Limestone		Limestone and shale		Lower Paleozoic aquifer. Transmits water mostly through secondary openings. Dolomites of Leadville Limestone equivalent are very permeable.
		Elbert Formation	90	Dolomite and limestone		
		Elbert Formation: McCracken Sandstone Member		Sandstone, limestone, and dolomite		
				Unconformity		
Cambrian	Upper Cambrian	Lynch Dolomite	180	Dolomite		
		Ignacio Quartzite equivalents	90	Sandstone, siltstone, and shale		Lower Paleozoic and Precambrian confining beds. Transmit little water.
				Unconformity		
Precambrian	-----	-----	-----	Granite and other igneous and metamorphic rocks		