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Table 1.--Correlation diagram showing the rocks that may constitute the Madison aquifer

System	Series	West — Laramie Mountains, Wyo. / East — Hartville Uplift, Wyo.	Black Hills and eastern Powder River Basin, S. Dak. and Wyo.	West — East: Bighorn Mountains and western Powder River Basin, Mont. and Wyo.	West — East: Southeastern Montana	South — North: Central and northern Montana	South — North: Williston Basin, N. Dak.	West — East: Williston Basin, S. Dak.
Permian								
Pennsylvanian		Casper Formation	Minnelusa Formation	Tensleep Sandstone	Tensleep Sandstone	Tensleep Sandstone	Minnelusa Formation	Minnelusa Formation
				Amsden Formation	Amsden Formation	Amsden Formation		
Mississippian	Upper	Madison Limestone	Pahasapa Limestone	Madison Limestone	Big Snowy Group, undivided	Big Snowy Group, undivided	Big Snowy Group, undivided	
	Lower				Madison Group: Charles Formation; Mission Canyon Limestone; Lodgepole Limestone	Madison Group: Charles Formation; Mission Canyon Limestone; Lodgepole Limestone	Madison Group: Charles Formation; Mission Canyon Limestone; Lodgepole Limestone	Madison Group: Charles Formation; Mission Canyon Limestone; Lodgepole Limestone
Devonian	Upper	Guernsey Formation	Englewood Formation	Three Forks Formation	Three Forks Formation	Bakken Formation; Three Forks Formation	Bakken Formation; Three Forks Formation	Three Forks Formation, Jefferson Group, and Souris River Formation, undivided
				Jefferson Formation: Birdbear Formation; Duperow Formation; Jefferson Group	Jefferson Group, undivided	Jefferson Group, undivided	Jefferson Group, undivided	
				Souris River Formation	Souris River Formation	Souris River Formation	Souris River Formation	
	Middle				Dawson Bay and Beartooth Butte Formations, undivided	Dawson Bay Formation, Elk Point Group, and Beartooth Butte Formation, undivided	Dawson Bay Formation, Elk Point Group, and Beartooth Butte(?) Formation, undivided	
	Lower							
Silurian					Interlake Formation	Interlake Formation	Interlake Formation	
Ordovician	Upper		Whitewood Dolomite	Bighorn Dolomite	Stony Mountain Formation	Stony Mountain Formation	Stony Mountain Formation	
	Middle		Winnipeg Formation		Red River Formation	Red River Formation	Red River Formation	
	Lower		Deadwood Formation[1/]		Winnipeg Formation	Winnipeg Formation	Winnipeg Formation	
					Deadwood Formation[1/]	Deadwood Formation[1/]	Deadwood Formation[1/]	

[1/] Upper Cambrian and Lower Ordovician