

SYSTEM	Series	Powder River Basin	South-Central Montana	Western South Dakota	Williston Basin	Central Montana Trough	North-Central Montana	Simulation Model Unit	
JURASSIC	MIDDLE JURASSIC	Piper Formation	Piper Formation	Gypsum Spring Formation	Piper Formation	Piper Formation	Piper Formation		
TRIASSIC			Chugwater Formation			Chugwater Formation			
PERMIAN	UPPER PERMIAN	Goose Egg Formation		Spearfish Formation	Spearfish Formation			Confining layer TK 3 (lower part)	
	LOWER PERMIAN			Minnekahta Limestone	Minnekahta Limestone				
PENNSYLVANIAN	UPPER PENNSYLVANIAN				Minnelusa Formation			Aquifer layer AQ 3	
	MIDDLE PENNSYLVANIAN	Tensleep Sandstone	Minnelusa Formation	Tensleep Sandstone	Minnelusa Formation	Tensleep Sandstone			
	LOWER PENNSYLVANIAN	Amsden Formation	Amsden Formation		Amsden Group (upper part)	Amsden Group (upper part)	Tyler Formation of Amsden Group		
MISSISSIPPIAN	UPPER MISSISSIPPIAN				Big Snowy Group	Heath Formation Otter Formation Kibbey Formation	Big Snowy Group	Heath Formation Otter Formation Kibbey Formation	Confining layer TK 2
	LOWER MISSISSIPPIAN	Madison Limestone	Madison Group	Charles Formation Mission Canyon Limestone Lodgepole Limestone	Madison Limestone or Pahasapa Limestone	Madison Group	Mission Canyon Limestone Lodgepole Limestone	Madison Group	Mission Canyon Limestone Lodgepole Limestone
DEVONIAN	UPPER DEVONIAN	Three Forks Formation	Three Forks Formation		Englewood Formation	Bakken Formation	Bakken Formation	Bakken Formation	Confining layer TK 1
	MIDDLE DEVONIAN	Jefferson Formation	Jefferson Formation			Three Forks Formation	Three Forks Formation	Three Forks Formation	
	LOWER DEVONIAN					Birdbear Formation	Jefferson Formation	Birdbear Formation	
SILURIAN	UPPER SILURIAN					Duperow Formation		Duperow Formation	Confining layer TK 1
	MIDDLE SILURIAN					Souris River Formation		Souris River Formation	
	LOWER SILURIAN					Dawson Bay Formation		Dawson Bay Formation	
ORDOVICIAN	UPPER ORDOVICIAN	Stony Mountain Formation	Bighorn Dolomite	Red River Formation or Whitewood Dolomite	Stony Mountain Formation	Red River Formation	Red River Formation	Red River Formation	Aquifer layer AQ 1
	MIDDLE ORDOVICIAN	Bighorn Dolomite		Winnipeg Formation	Winnipeg Formation	Winnipeg Formation	Winnipeg Formation	Winnipeg Formation	
	LOWER ORDOVICIAN								
CAMBRIAN	UPPER CAMBRIAN	Snowy Range Formation or Gallatin and Gros Ventre Formations or equivalents	Deadwood Formation	Snowy Range Formation or Gallatin and Gros Ventre Formations or equivalents	Deadwood Formation	Deadwood Formation	Emerson Formation	Emerson Formation	Aquifer layer AQ 1
	MIDDLE CAMBRIAN	Flathead Sandstone		Flathead Sandstone			Flathead Sandstone	Flathead Sandstone	
	LOWER CAMBRIAN								
PRECAMBRIAN								Lower boundary	

GENERALIZED GEOLOGIC CORRELATION CHART OF PALEOZOIC ROCKS OF THE NORTHERN GREAT PLAINS