SYSTEM	SERIES	POWDER RIVER BASIN	SOUTH CENTRAL MONTANA	WESTERN SOUTH DAKOTA	WILLISTON BASIN	CENTRAL MONTANA TROUGH	NORTH CENTRAL MONTANA
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		
	LOWER PERMIAN			Minnekahta Limestone	Minnekahta Limestone		
				Opeche Formation	Opeche Formation		
PENNSYLVANIAN	UPPER PENNSYLVANIAN	Tensleep Sandstone		Minnelusa Formation	Minnelusa Formation		
	MIDDLE PENNSYLVANIAN		Tensleep Sandstone			Tensleep Sandstone	
	LOWER PENNSYLVANIAN	Amsden Formation	Amsden Formation		Amsden Group (upper part)	Amsden Group (upper part)	
		Minnelusa Formation			Tyler Formation	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	
	LOWER MISSISSIPPIAN	Madison Limestone	Madison Group: Charles Formation, Mission Canyon Limestone, Lodgepole Limestone	Madison Limestone or Pahasapa Limestone	Madison Group: Charles Formation, Mission Canyon Limestone, Lodgepole Limestone	Madison Group: Charles Formation, Mission Canyon Limestone, Lodgepole Limestone	Madison Group: Mission Canyon Limestone, Lodgepole Limestone
DEVONIAN	UPPER DEVONIAN	Three Forks Formation; Jefferson Formation	Three Forks Formation; Jefferson Formation	Englewood Formation	Bakken Formation; Three Forks Formation; Birdbear Formation; Duperow Formation; Souris River Formation; Dawson Bay Formation; Prairie Formation; Winnipegosis Formation	Bakken Formation; Three Forks Formation; Jefferson Formation	Bakken Formation; Three Forks Formation; Birdbear Formation; Duperow Formation; Souris River Formation
	MIDDLE DEVONIAN						
	LOWER DEVONIAN						
SILURIAN	UPPER SILURIAN				Interlake Formation		
	MIDDLE SILURIAN						
	LOWER SILURIAN	Interlake Formation					
ORDOVICIAN	UPPER ORDOVICIAN	Bighorn Dolomite; Stony Mountain Formation; Red River Formation	Bighorn Dolomite	Red River Formation or Whitewood Dolomite	Stony Mountain Formation; Red River Formation	Red River Formation	Red River Formation
	MIDDLE ORDOVICIAN	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	Deadwood Formation	Emerson Formation	Emerson Formation
	MIDDLE CAMBRIAN	Flathead Sandstone	Flathead Sandstone			Flathead Sandstone	Flathead Sandstone
	LOWER CAMBRIAN						
PRECAMBRIAN							