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WASHINGTON, D. C.
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EXPLANATION OF LETTER SYMBOLS
USED ON MAP TO IDENTIFY FORMATIONS¹

TERRACE	NW	SE	TERRACE	Tongue River member (Tr)
CENTRAL	NW	SE	CENTRAL	Labo shale member (L)
SOUTHWEST	NW	SE	SOUTHWEST	Tullock member (T)
SOUTHWEST	NW	SE	SOUTHWEST	Hell Creek formation (Khc)
SOUTHWEST	NW	SE	SOUTHWEST	Horseshoe ss. (Ks)
SOUTHWEST	NW	SE	SOUTHWEST	Bearpaw shale (Kb)
SOUTHWEST	NW	SE	SOUTHWEST	Judith River formation (Kj)
SOUTHWEST	NW	SE	SOUTHWEST	Claggett shale (Kc)
SOUTHWEST	NW	SE	SOUTHWEST	Eagle sandstone (Ka)
SOUTHWEST	NW	SE	SOUTHWEST	Telegraph Creek formation (Kt)
SOUTHWEST	NW	SE	SOUTHWEST	Niobrara shale (Kn)
SOUTHWEST	NW	SE	SOUTHWEST	Curtis shale (Kc)
SOUTHWEST	NW	SE	SOUTHWEST	"Soudan sand"
SOUTHWEST	NW	SE	SOUTHWEST	Greenhorn limestone (Kg)
SOUTHWEST	NW	SE	SOUTHWEST	Frontier fm. (Kf)
SOUTHWEST	NW	SE	SOUTHWEST	Belle Fourche shale
SOUTHWEST	NW	SE	SOUTHWEST	Mowry shale (Km)
SOUTHWEST	NW	SE	SOUTHWEST	Thermopsis shale (Kt)
SOUTHWEST	NW	SE	SOUTHWEST	Newcastle ss. and Shell Creek sh.

NORTHWEST	NW	SE	NORTHWEST	Geyser ss. member of Clowery fm. (G)
NORTHWEST	NW	SE	NORTHWEST	Fossil shale
NORTHWEST	NW	SE	NORTHWEST	Lakota sandstone (K)
NORTHWEST	NW	SE	NORTHWEST	Morrison formation (Jm)
NORTHWEST	NW	SE	NORTHWEST	Swift formation (Jw)
NORTHWEST	NW	SE	NORTHWEST	Sundance formation (Js)
NORTHWEST	NW	SE	NORTHWEST	Riordan formation (Jr)
NORTHWEST	NW	SE	NORTHWEST	Sawtooth formation (Jsa)
NORTHWEST	NW	SE	NORTHWEST	Piper formation ² (Jp)

NORTHWEST MONTANA	NW	SE	NORTHWEST MONTANA	Spearfish fm. (Ks)
CENTRAL MONTANA	NW	SE	CENTRAL MONTANA	Amber formation (Ca)
SOUTH-CENTRAL MONTANA	NW	SE	SOUTH-CENTRAL MONTANA	Charles fm. (Cc)
SOUTHWEST MONTANA	NW	SE	SOUTHWEST MONTANA	Lodgepole limestone (Cl)
NORTH MONTANA	NW	SE	NORTH MONTANA	Story Mt. formation (Os)
SOUTHWEST MONTANA	NW	SE	SOUTHWEST MONTANA	Red River formation (Or)
SOUTHWEST MONTANA	NW	SE	SOUTHWEST MONTANA	Winnipeg formation (Ow)

¹Horizontal deposits other than Tertiary (see note 1) and identified on map as being of Tertiary origin are indicated by a dashed line.

²In northwest Montana the Piper formation is a member of the Clowery formation and is not shown on this map.

³Information of some Montana geologists is that the Clowery formation is a member of the Tertiary and is not shown on this map.