

Montana Bureau of Mines and Geology

GEOLOGIC MAP OF THE GLASGOW 30' x 60' QUADRANGLE
NORTHEAST MONTANA

Compiled and Mapped by

Robert N. Bergantino

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MAP UNITS

Symbol	Age	Description
af	1934-42	Artificial fill of Fort Peck Dam
QUATERNARY		
Qal	Holocene	Alluvium; deposits of gravel, sand, silt, or clay of modern channels and flood plains
Qg	Pleistocene	Glacial deposits, principally the Kintyre Formation of Jensen and Varnes (1964) and Colton and others (1989).
Qls	Quaternary	Landslide deposits
Qac	Quaternary	Alluvium-colluvium; includes deposits in alluvial fans and on alluvial terraces; may include glacial outwash
TERTIARY		
Tf	Miocene-Pliocene	Flaxville Formation; may include extensive sands and gravels of Pleistocene age
CRETACEOUS		
Khc	Upper Cretaceous	Hell Creek Formation; from 80 meters (250 feet) thick
Kfh	Upper Cretaceous	Fox Hills Sandstone; maximum thickness 50 meters (150 feet)
Kb	Upper Cretaceous	Bearpaw Shale; 340 meters (1100 feet) thick
Kjr	Upper Cretaceous	Judith River Formation; 80-140 meters (250-450 feet) thick; thins to the east
Kcl	Upper Cretaceous	Claggett Shale; 120 meters (400 feet) thick

GEOLOGIC SYMBOLS

	Contact: dashed where approximate, dotted where concealed
	Fault: dashed where approximate, dotted where concealed
	Significant break in slope between two levels of Qac
	Limit of continental glaciation; ticks on ice side

Age Correlation of Map Units, Glasgow Quadrangle

af		Quaternary
Qal	Qls	Qac
Qg		
Tf	Tertiary	
Khc	Upper Cretaceous	
Kfh		
Kb		
Kjr		
Kcl		

Figure 1. Age correlation chart of map units for Glasgow 30' x 60' quadrangle.

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