



Bedrock geology from Andrews and others (1947) and Robinson and Langford (1963); surficial geology by M. E. Cooley, 1976

Base from U.S. Geological Survey
1:24,000 quadrangles

EXPLANATION

CORRELATION OF MAP UNITS		SEDIMENTARY ROCKS		DESCRIPTION OF MAP UNITS	
TERRACE DEPOSITS	ALLUVIAL DEPOSITS				
Named and unnamed deposits	Numbered deposits				
Q1k	Q1	Tw	Lower Cretaceous to Eocene CRETACEOUS AND TERTIARY	Q1k	McKinnie terrace deposits, 20 ft above Greybull River. Minor unit of alluvial aquifer.
Q1g, Q1g, Q1g, Q1g	Q2a, Q2b	Tfu		Q1g	Greybull terrace deposits, virtually undissected part. 20 ft above Greybull River.
Q1b	Q3	Klm		Q1g	Greybull terrace deposits, dissected part. Includes small remnants of McKinnie terrace deposits along Greybull River upstream from Advent School. 20 ft above Greybull River.
Q1s, Q1s	Q4	Kmv		Q1g	Older alluvial-fan deposits, dissected. Includes undissected alluvial-fan deposits and flood-plain alluvium along small tributaries to Greybull River, and small exposures of sedimentary rocks.
Q1s, Q1s	Q5	Kc	Q1h	Terrace Q1h deposits. 50 ft above Bighorn and Greybull Rivers.	
Q1r	Q6		Q12a	Terrace Q12a deposits. 40-70 ft above Greybull River and 65-70 ft above Bighorn River.	
	Q7		Q12b	Terrace Q12b deposits. 100 ft above Greybull and Bighorn Rivers.	
	Q8		Q1b	Burlington terrace deposits. 20-60 ft above Greybull River. Minor unit of alluvial aquifer.	
	Q9		Qp	Pediment deposits. Includes slope-wash, terrace, alluvial-fan, and colluvial deposits, and small exposures of sedimentary rocks.	
	Q10				
	Q11				
	Q12				
	Q13				
	Q14				
	Q15				
	Q16				
	Q17				
	Q18				
	Q19				
	Q20				
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	Q92				
	Q93				
	Q94				
	Q95				
	Q96				
	Q97				
	Q98				
	Q99				
	Q100				

Plate 1.--Geologic map showing distribution of the water-yielding and nonwater yielding alluvial deposits in the Greybull River Valley