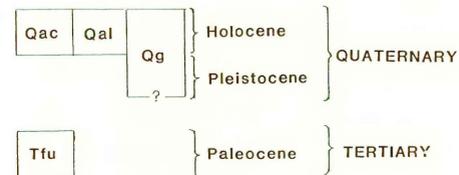




CORRELATION OF MAP UNITS



DESCRIPTION OF MAP UNITS

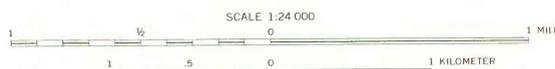
- Qal Alluvium (Holocene)**—Light-brown and gray, well-stratified and well-sorted clay, silt, sand, and gravel. As much as 6 m (20 ft) thick under the flood plain of Horse Creek to less than a few meters under flood plains of tributary streams. Unit limited to areas characterized by meander or braided patterns on aerial photographs. Surface of unit may be subject to occasional flooding.
- Qac Alluvium and colluvium (Holocene)**—Light-brown and gray, poorly sorted and well-stratified clay, silt, sand, and gravel deposited by gravity and slope wash. As much as 10 m (33 ft) thick, but generally less than 5 m (16 ft). The color and texture of the colluvium reflect the parent material upslope. May interfinger with alluvium, includes alluvial fans and much windblown clay, silt, and sand. Soil profiles range from well-developed to poorly developed.
- Qg Sand and gravel, undivided (Holocene to Pleistocene)**—Light-brown to light-gray, well-stratified to poorly stratified, and well-sorted to poorly sorted sand and gravel. Thickness as much as 3 m (10 ft), but generally less than 2 m (6 ft). Unit generally limited to altitudes less than 762 m (2,500 ft).
- Tfu Tongue River Member (Collier and Knechtel, 1939) of Fort Union Formation (Paleocene)**—Yellowish- or light-brown shale and sandstone containing lignite beds. Estimated thickness under highest parts of quadrangle is 91 m (300 ft).

- w Water
- Contact—Dashed where approximately located
- Lineament
- Scarp—Hachures on lower side

REFERENCE

Collier, A.J., and Knechtel, M.N., 1939, The coal resources of McCone County, Montana: U.S. Geological Survey Bulletin 905, 80 p.

Base from U. S. Geological Survey



Geology mapped in 1980 and 1981

JOHNSON COULEE EAST 88-610	BROCKWAY NE 88-631	YOUNGQUIST MINE 88-627	CIRCLE 88-630	WOODWORTH HILL 88-626	OLSON COULEE NORTH 88-620	JOHNSON RESERVOIR NW 88-613	JOHNSON RESERVOIR NE 88-611
BEAUTY CREEK 88-636	BROCKWAY 88-623	CIRCLE 88-629	QUICK RESERVOIR 88-618	MOUNT ANTELOPE 88-616	OLSON COULEE SOUTH 88-621	DEER CREEK CHURCH 88-628	JOHNSON RESERVOIR 88-609
BERRY SCHOOL 88-632	WATKINS 88-521	SIG SHEEP MOUNTAIN CREEK NW 88-622	BEARSHACK CREEK 88-634	DIAMOND G BUTTE NW 88-607	UNION SCHOOL 88-617	LINDSAY 88-614	WOODROW 88-625
HEITZ SCHOOL 88-608	WATKINS SE 88-624	SIG SHEEP MTH 88-629	BECKER DAM 88-633	NORTH COULEE 88-619	DIAMOND G BUTTE 88-635	LINDSAY SW 88-615	UPPER CRACKER BOX SCHOOL 88-612

INDEX TO QUADRANGLES IN THE CIRCLE 30' x 60' QUADRANGLE. MAPPED QUADRANGLE SHOWN BY STRIPES; NUMBERS ARE OPEN-FILE NUMBERS

**GEOLOGIC MAP OF THE BROCKWAY NE QUADRANGLE,
McCONE COUNTY, MONTANA**

By
R.B. Colton, J.P. McGraw and S.L. Durst

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