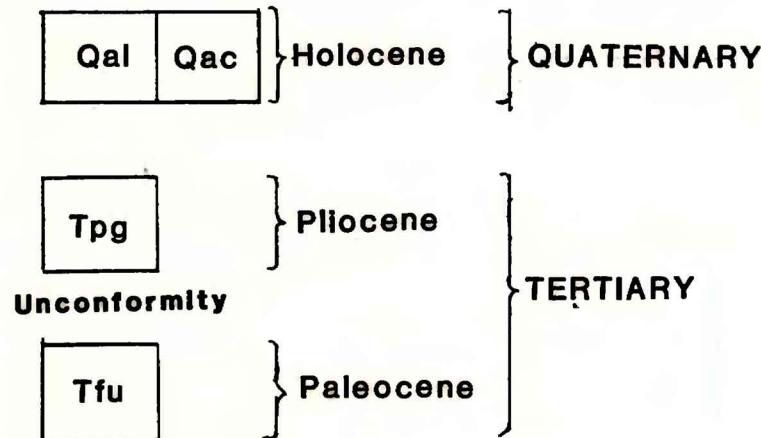


CORRELATION OF MAP UNITS



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 Upper Sevenmile Creek but only a few meters thick under flood plains of tributaries. 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 slope wash and gravity processes. 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
- Tpg **Sand and gravel, undivided (Pliocene)**—Light-brown to light-gray, well-stratified and well-sorted sand and gravel. Thickness is as much as 12 m (40 ft), but generally less than 3 m (10 ft). Remnants of unit are generally limited to altitudes between 908 m (2,980 ft) and 841 m (2,760 ft). May contain some Pleistocene sand and gravel
- Tfu **Tongue River Member (Collier and Knechtel, 1939) of Fort Union Formation (Paleocene)**—Yellowish- and light-brown shale and sandstone containing numerous lignite beds. Estimated thickness of formation remaining under highest parts of quadrangle is more than 153 m (500 ft)

- w **Water**
- **Contact**—Dashed where approximately located
- X **Gravel pit**

REFERENCE

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

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 SW 88-629	QUICK RESERVOIR 88-618	MOUNT ANTELOPE 88-616	OLSON COULEE SOUTH 88-621	DEER CREEK CHURCH 88-625	JOHNSON RESERVOIR 88-609
BERRY SCHOOL 88-632	WATKINS 88-621	SIG SHEEP MOUNTAIN NW 88-622	BEARHACK CREEK 88-634	DIAMOND O SUTTE NW 88-607	UNION SCHOOL 88-617	LINDSAY 88-614	WOODROW 88-626
HEITZ SCHOOL 88-608	WATKINS SE 88-624	SIG SHEEP MTH 88-629	BECKER DAM 88-633	NORTH COULEE 88-619	DIAMOND O SUTTE 88-635	LINDSAY SW 88-615	UPPER CRACKER BOX 88-612

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

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GEOLOGIC MAP OF THE LINDSAY QUADRANGLE, DAWSON
COUNTY, MONTANA

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