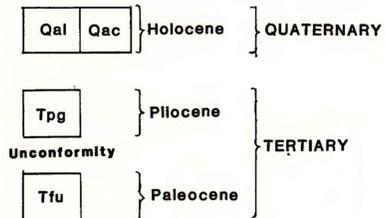


CORRELATION OF MAP UNITS



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.

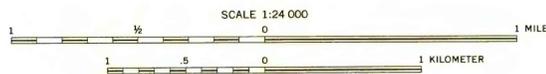
JOHNSON COULEE EAST 88-810	BROCKWAY NE 88-831	YOUNGQUIST NIRE 88-827	CIRCLE 88-830	WOODWORTH HILL 88-826	OLSON COULEE NORTH 88-820	JOHNSON RESERVOIR NW 88-813	JOHNSON RESERVOIR NE 88-811
BEAUTY CREEK 88-836	BROCKWAY SW 88-823	CIRCLE SW RESERVOIR 88-829	QUICK RESERVOIR 88-818	MOUNT ANTELOPE 88-816	OLSON COULEE SOUTH 88-821	DEER CREEK CHURCH 88-828	JOHNSON RESERVOIR 88-809
BERRY SCHOOL 88-832	WATKINS NW 88-821	SHEEP MOUNTAIN 88-822	BEARHACK CREEK 88-834	DIAMOND BUTTE NW 88-807	UNION SCHOOL 88-817	LINDSAY 88-814	WOODROW UPPER BOX 88-825
HEITZ SCHOOL 88-808	WATKINS SE 88-824	SHEEP MTH 88-829	BECKER DAM 88-833	NORTH COULEE 88-819	DIAMOND BUTTE SW 88-835	LINDSAY SW 88-815	CRACKER BOX 88-812

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

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards or with the North American stratigraphic code. Any use of trade, product, or firm names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

Base from U. S. Geological Survey

Geology mapped in 1980 and 1981



GEOLOGIC MAP OF THE LINDSAY QUADRANGLE, DAWSON COUNTY, MONTANA

By

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