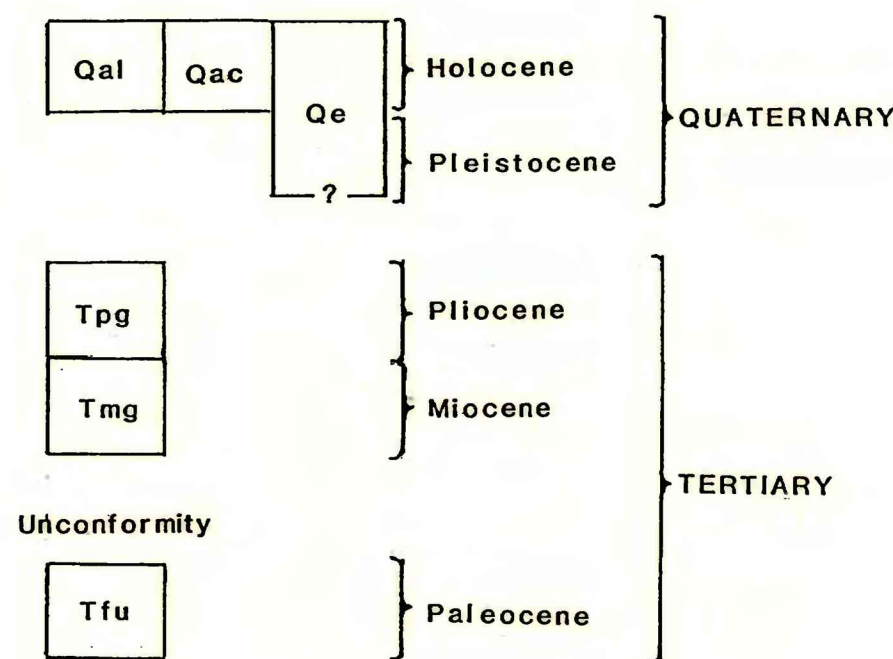


CORRELATION OF MAP UNITS



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 Bad Route Creek to less than 3 m (10 ft) 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 to 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.
- Qe Eolium (Holocene to Pleistocene)**—Light-brown to light-gray clay, silt, sand, granules, and pebbles. Pebbles were carried up into eolium by bioturbation. Present mainly as a thin veneer as much as 2 m (6 ft) thick on terraces and fans. May be present as a veneer less than 2 m (6 ft) thick.
- Tpg Sand and gravel undivided (Pliocene)**—Light-brown to light-gray, well-stratified and well-sorted to poorly sorted sand and gravel. Thickness as much as 20 m (66 ft), but generally less than 16 m (52 ft). Unit generally limited to altitudes between 902 m (2,960 ft) and 823 m (2,700 ft). May contain some Pleistocene sand and gravel.
- Tmg Sand and gravel undivided (Miocene)**—Light-brown to light-gray, well-stratified to poorly stratified, and well-sorted to poorly sorted sand and gravel. Thickness as much as 24 m (80 ft), but generally less than 10 m (33 ft). Unit generally limited to altitudes 936 m (3,070 ft). Cemented locally by calcium carbonate.
- Tfu Tongue River Member (Collier and Knechtel, 1939) of Fort Union Formation (Paleocene)**—Yellowish- and light-brown shale and sandstone containing numerous lignite beds. Remaining thickness of formation is estimated to be 123 m (400 ft).

- w Water
- Contact—Dashed where approximately located

REFERENCE

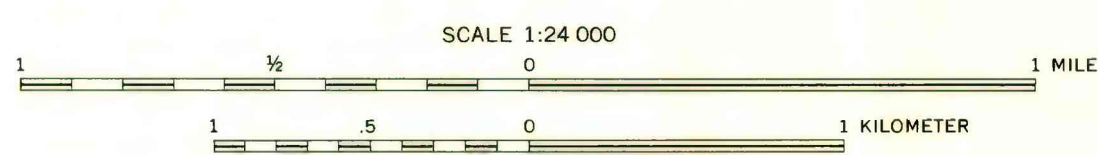
Collier, A.J., and Knechtel, M.N., 1939, The coal resources of McCone County, Montana: U.S. Geological Survey Bulletin 905, 80 p.

JOHNSON COULEE EAST 88-610	BROCKWAY NE 88-631	YOUNGQUIST NINE 88-627	CIRCLE 88-630	WOODWORTH HILL 88-626	OLBON COULEE NORTH 88-620	JOHNSON RESERVOIR NW 88-613	JOHNSON RESERVOIR NE 88-611
BEAUTY CREEK 88-638	BROCKWAY SW 88-623	CIRCLE RESERVOIR 88-620	QUICK 88-618	MOUNT ANTELOPE 88-616	OLBON COULEE SOUTH 88-621	DEER CREEK CHURCH 88-628	JOHNSON RESERVOIR 88-608
BERRY SCHOOL 88-632	WATKINS 93-521	SHEEP MOUNTAIN NW 88-622	SHEARSHACK CREEK 88-634	DIAMOND BUTTE NW 88-607	UNION SCHOOL 88-617	LINDSAY SW 88-614	WOODROW 88-625
HEITZ SCHOOL 88-608	WATKINS SE 88-624	SHEEP MTN 93-520	BECKER DAM 88-633	NORTH COULEE 88-619	DIAMOND BUTTE SW 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

Base from U. S. Geological Survey

Geology mapped in 1980 and 1981



GEOLOGIC MAP OF THE LINDSAY SW QUADRANGLE,
 DAWSON COUNTY, MONTANA

By

R.B. Colton, J.P. McGraw, and D.K. Bozeman

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.