

Montana Bureau of Mines and Geology
Open File No. 390

Geologic Map of the
Glasgow 30' x 60' Quadrangle,
Northeast Montana

Robert N. Bergantino

1999

To view a full scale version of this map, [click here](#).

For the text files with the map information, [click here](#).

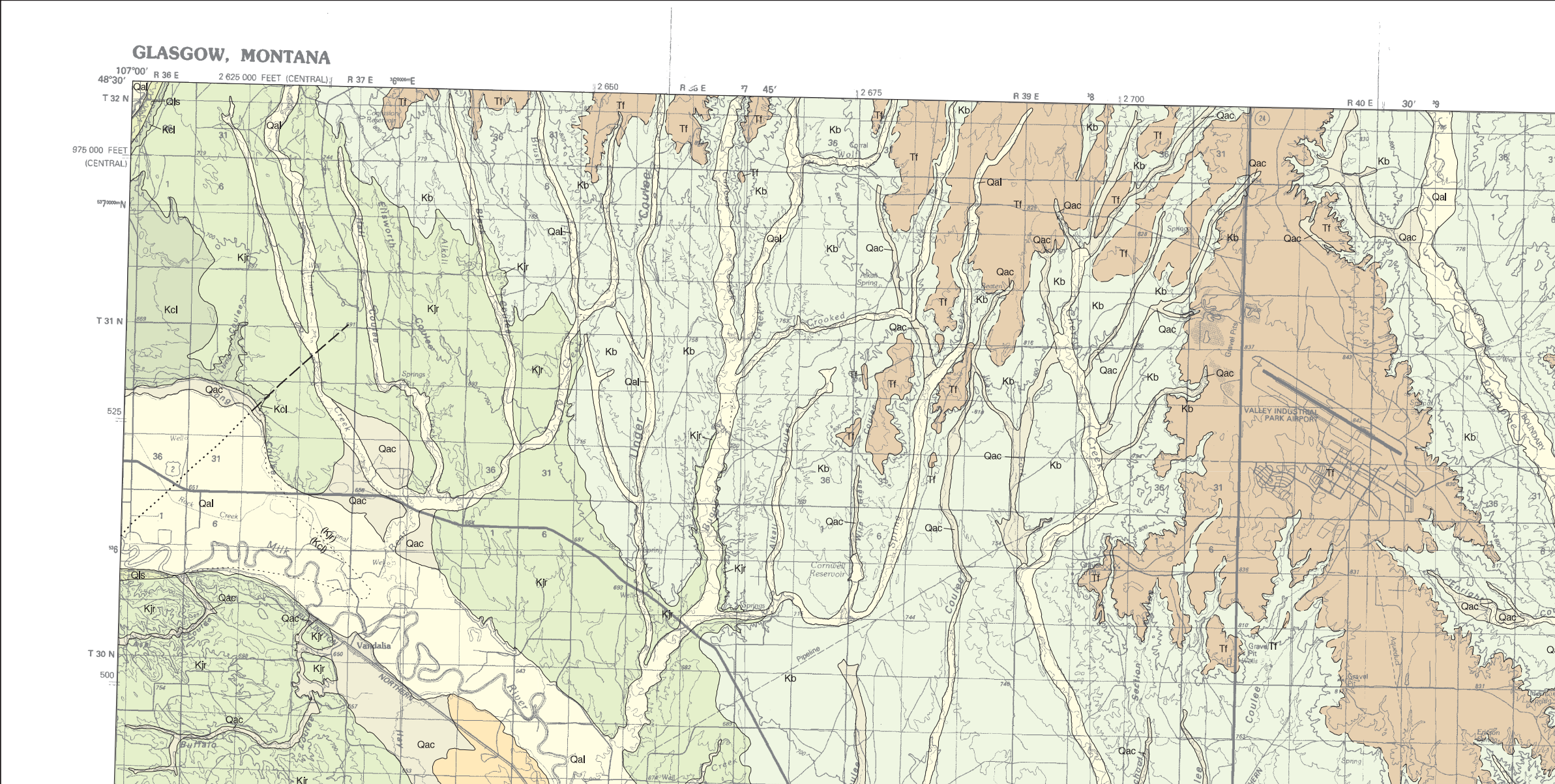
[Digital data link](#)

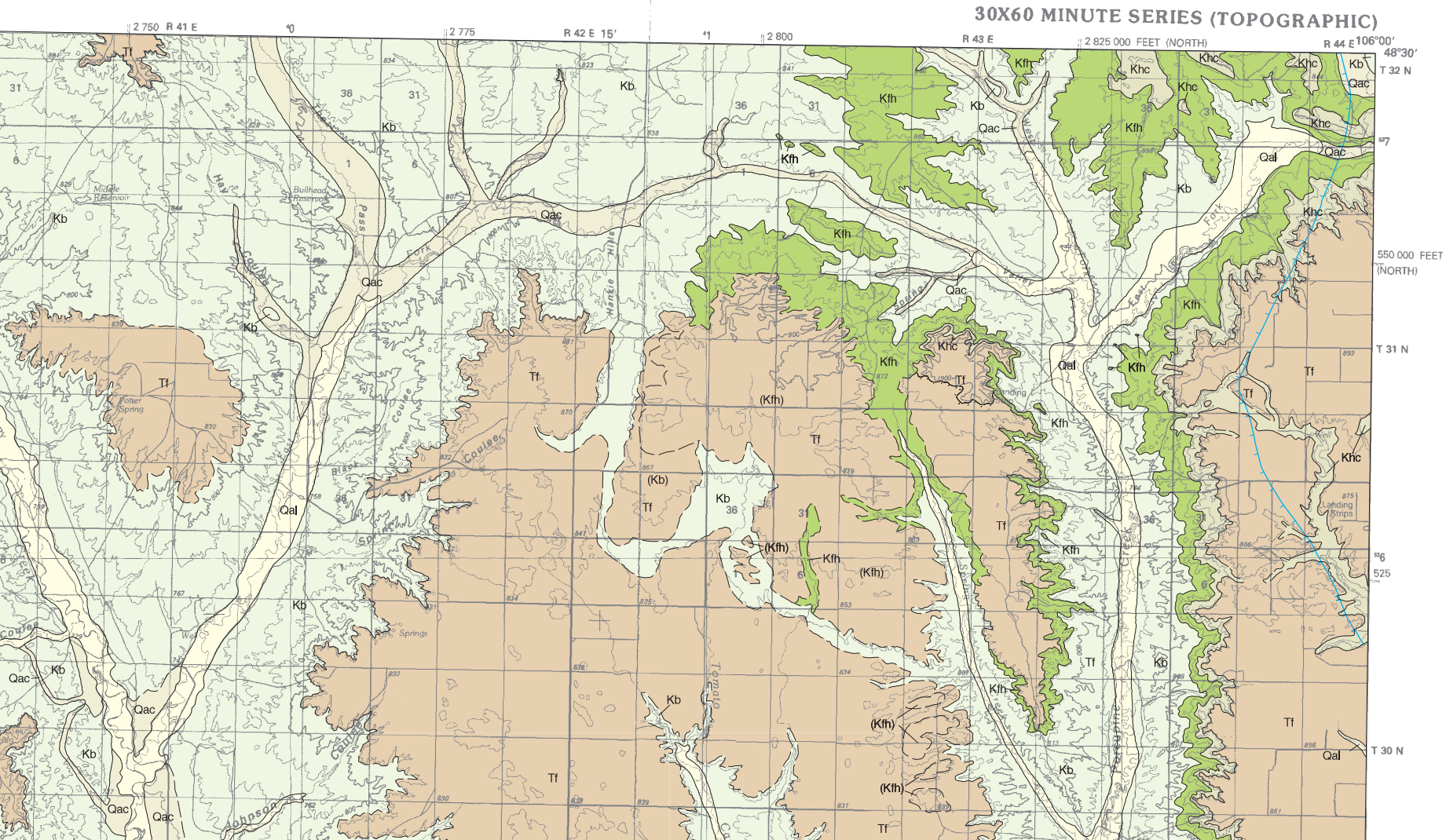
Note— This map was originally published at a scale of 1;100,000 but the page sizes have been modified to fit average printer capabilities (8½ x 14; legal size paper). There is a an eighth inch overlap on these pages. A full sized colored print of this map can be ordered from the **MBMG Publication Sales Office, 1300 West Park Street, Butte, MT, 59701-8997.**

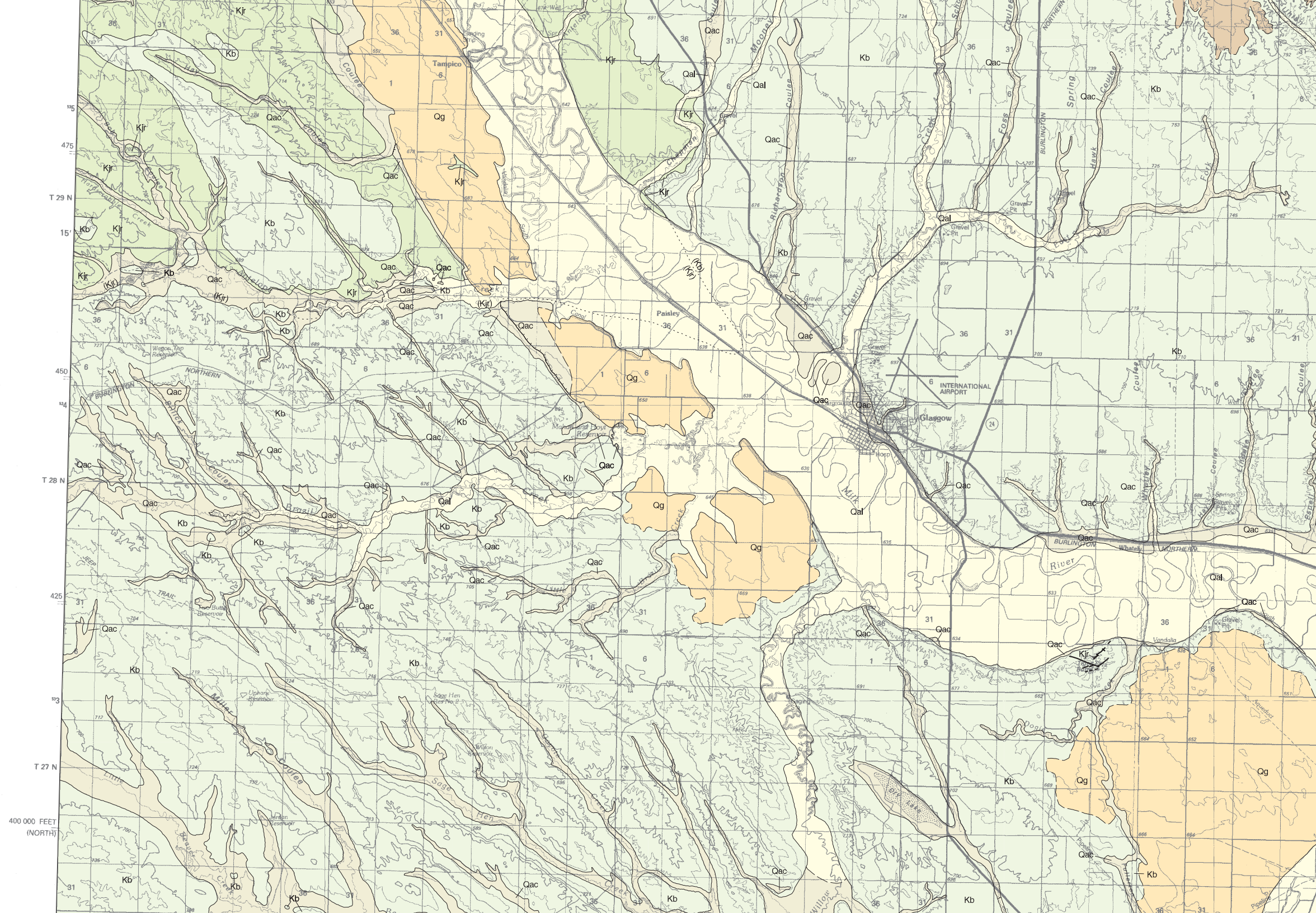
Phone: 406-496-4167

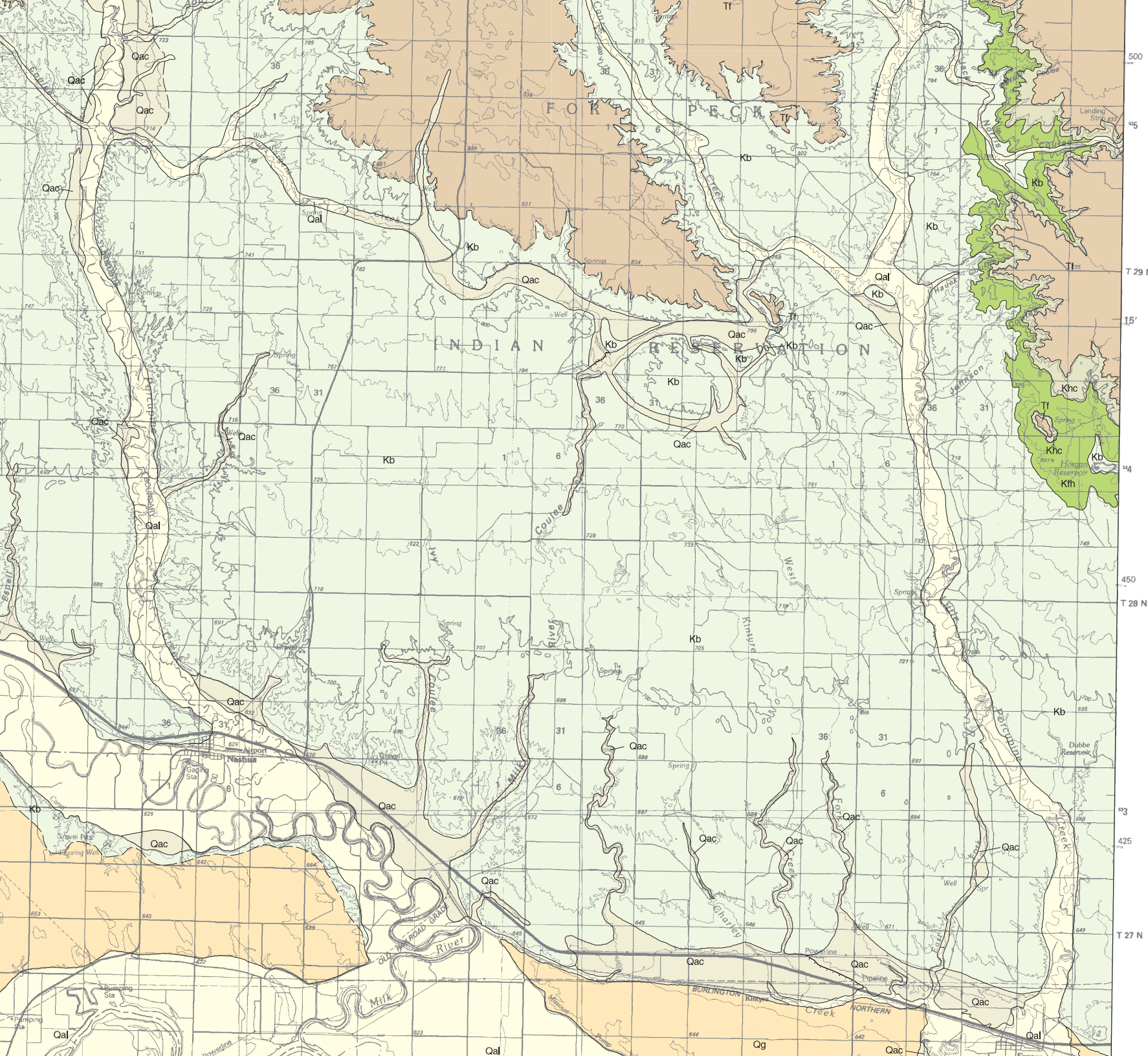
Email: pubsales@mbmg.mtech.edu

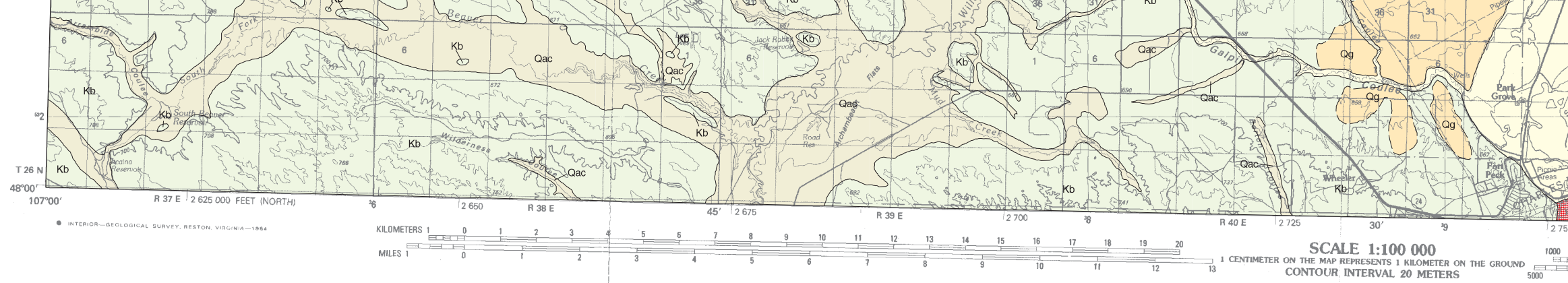
Open File MBMG 390, Plate 1 of 2
Geologic Map, Glasgow 30'x60' Quadrangle









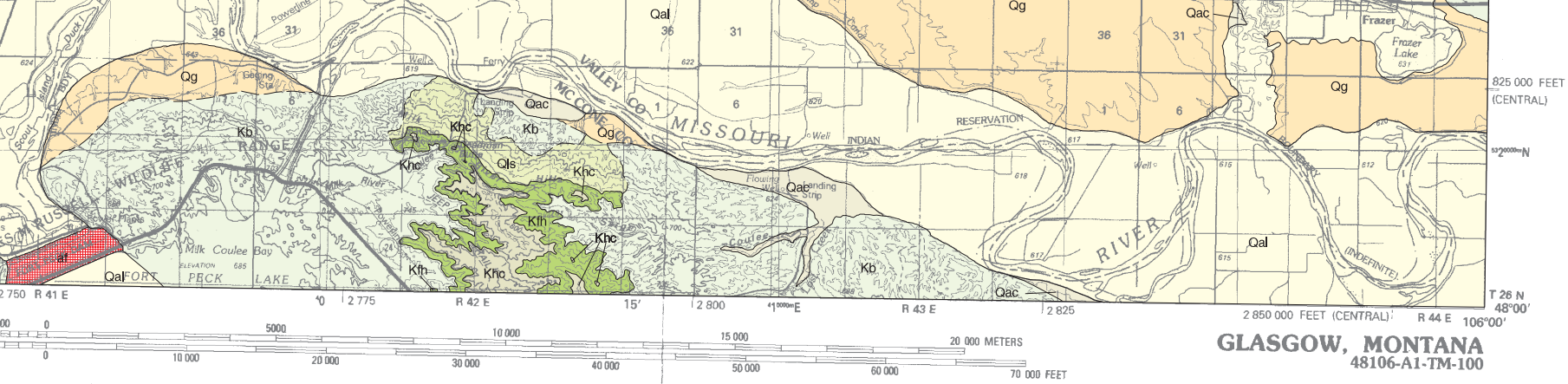


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Geologic Map of the Glasgow 30' x 60' Quadrangle, Northeast Montana

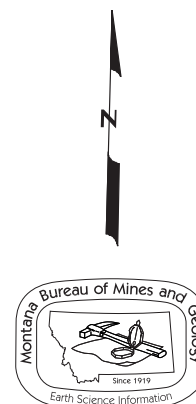
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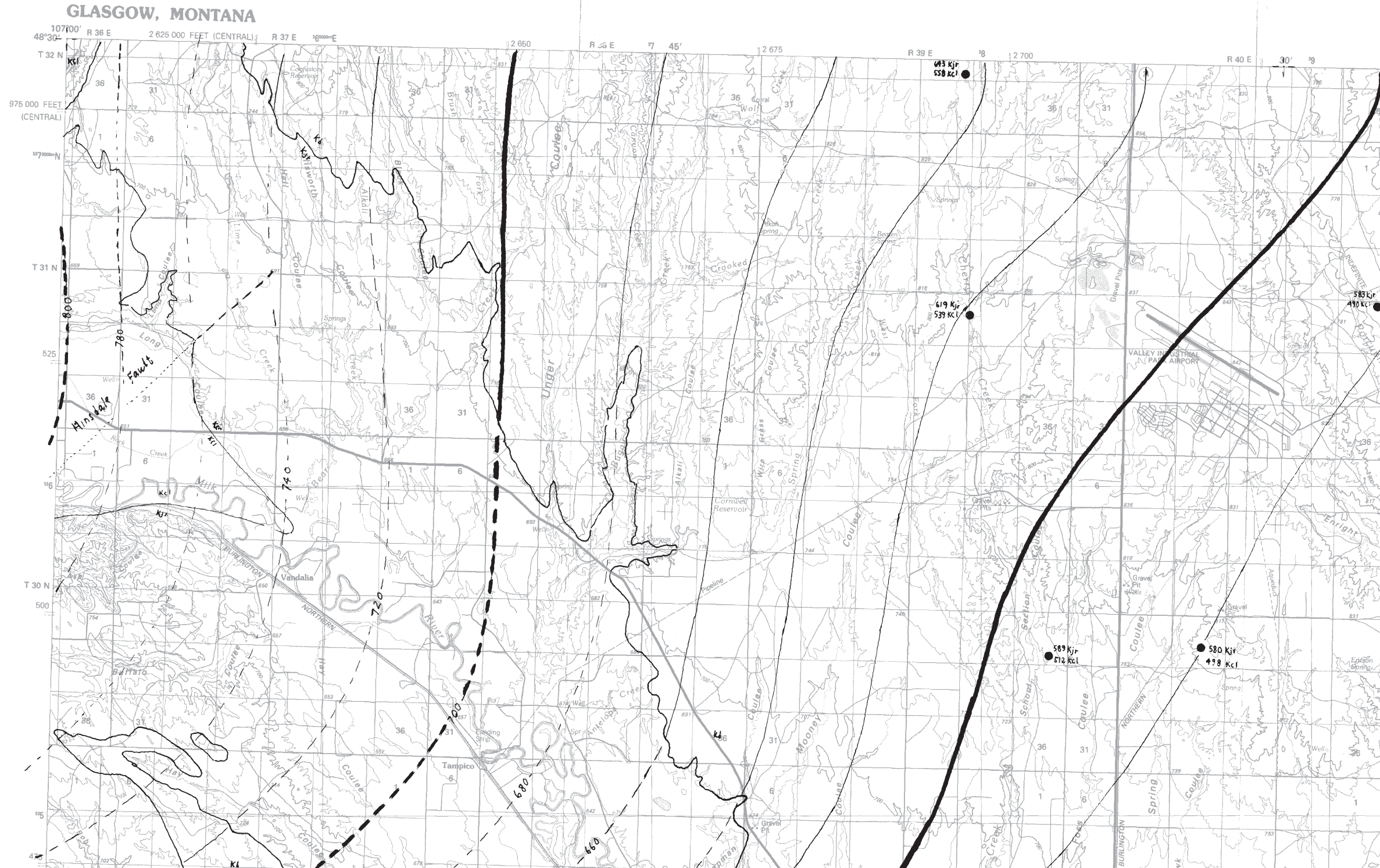


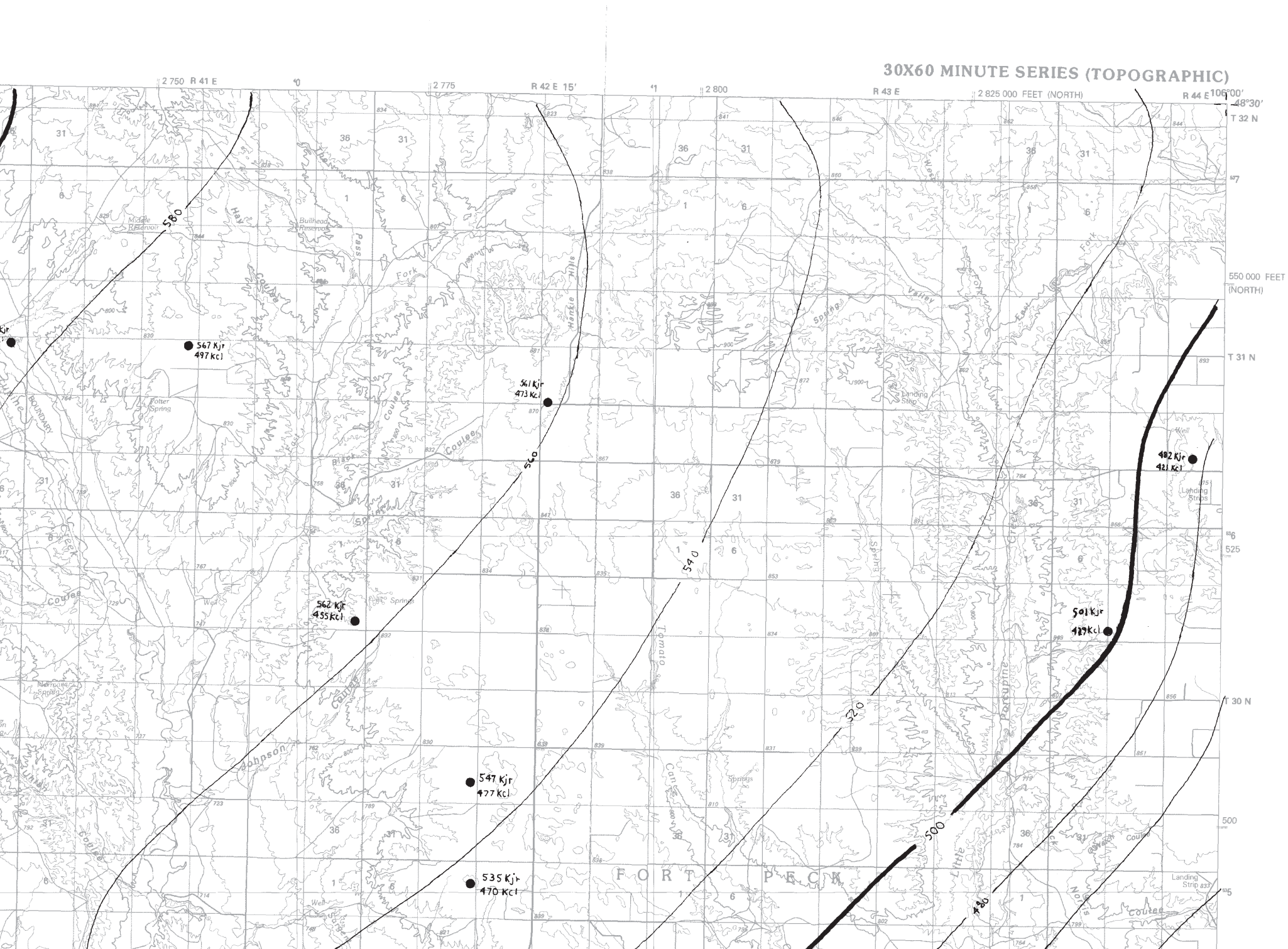
MAP UNITS

Qal	Alluvium of modern channels and floodplains
Qac	Alluvium-colluvium
Qg	Glacial deposits, undivided
Qls	Landslide deposit
Tf	Flaxville Formation
Khc	Hell Creek Formation
Kfh	Fox Hills Formation
Kb	Bearpaw Shale
Kjr	Judith River Formation
Kcl	Claggett Shale
af	Artificial fill - large dams, freeway Interchanges

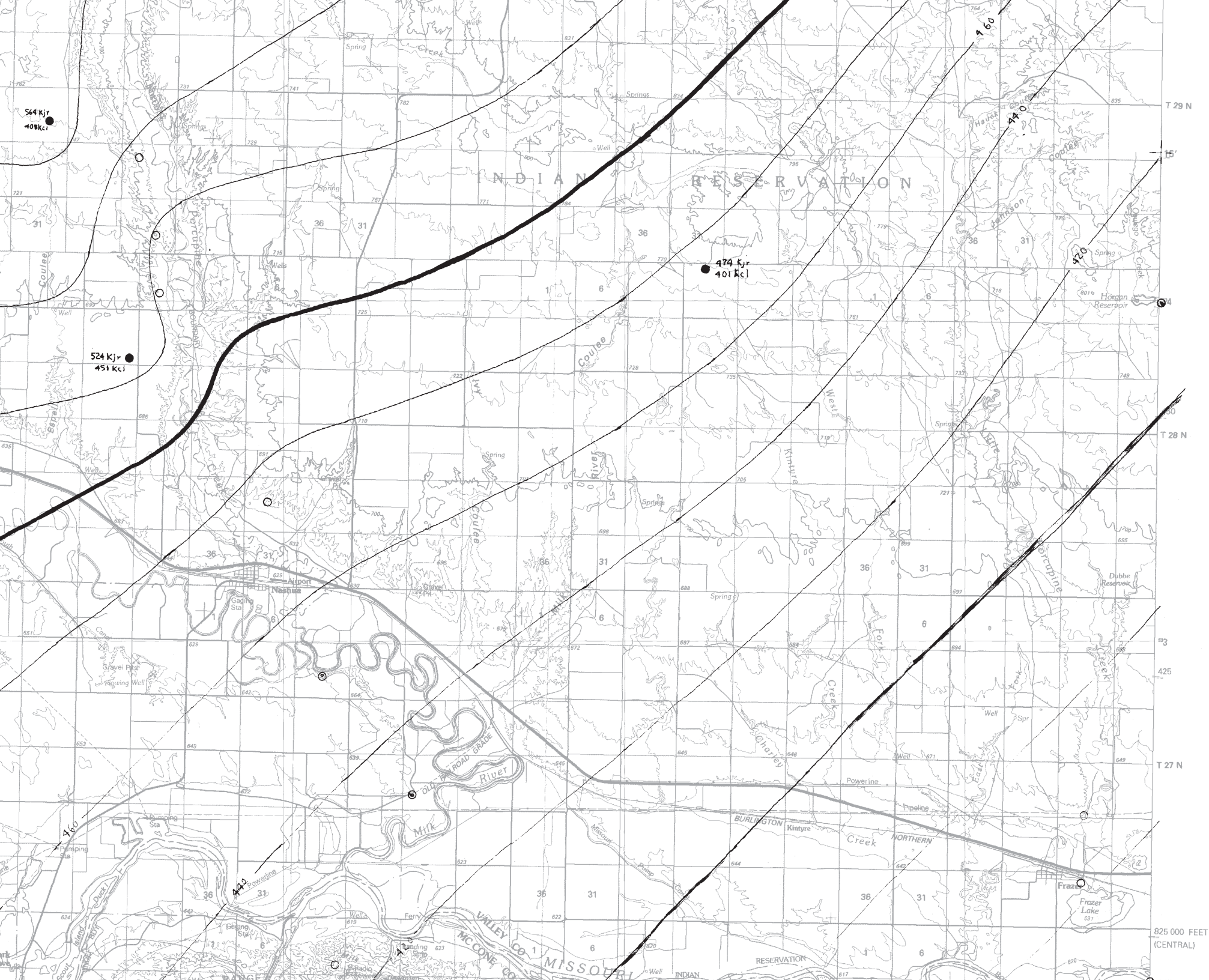


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<http://www.mbg.mtech.edu>

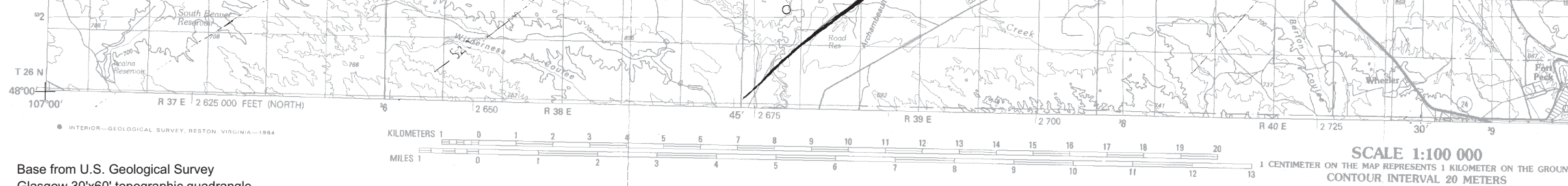








825 000 FEET
(CENTRAL)



Base from U.S. Geological Survey
Glasgow 30'x60' topographic quadrangle
Map date: 1984
Projection: UTM zone 13; 1927 NAD

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Structure Contour Map of the Glasgow 30' x 60' Quadrangle, Northeast Montana

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SOURCES

Jensen, F.S., and Varnes, H.D., 1964, Geology of the Fort Peck area, Garfield, McCone and Valley Counties, Montana: U.S. Geological Survey Professional Paper 414-F, 49 p., Plate 2, Bedrock geologic map and columnar section, scale 1:96,000.

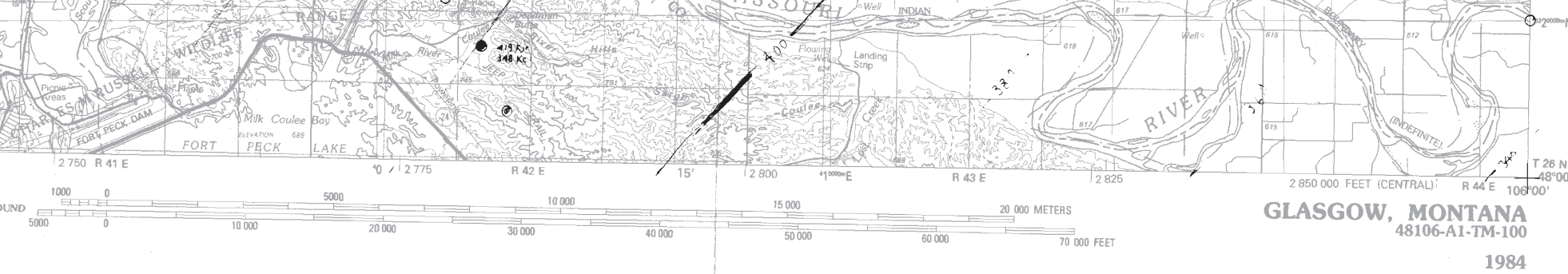
Feltis, R.D. and others, 1981, Selected geologic data from the northern Great Plains area of Montana: U.S. Geological Survey Open-file Report 81-415.

Additional contour information from:

Collier, A.J., 1917, The Bowdoin dome: U.S. Geological Survey Bulletin 661, p. 193-209, plate 9, map scale 1:375,000.

Erdmann, C.E. and Schwabrow, J.R., 1932, Structural contour map of the central part of the Bowdoin dome, [unpublished map]: U.S. Geological Survey, map scale 1:125,000

Partial support has been provided by the STATE OF MONTANA
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LEGEND

Kb Bearpaw Shale

Kjr Judith River Formation

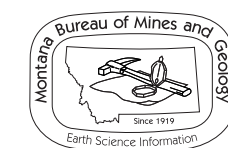
Kcl Claggett Shale

○ Control point from U.S. Geological Survey Professional Paper 414-F, data not supplied

● Control point from U.S. Geological Survey Open-file Report 81-415

Contour Interval: 20 meters

--- Judith River Formation, "restored" contours



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