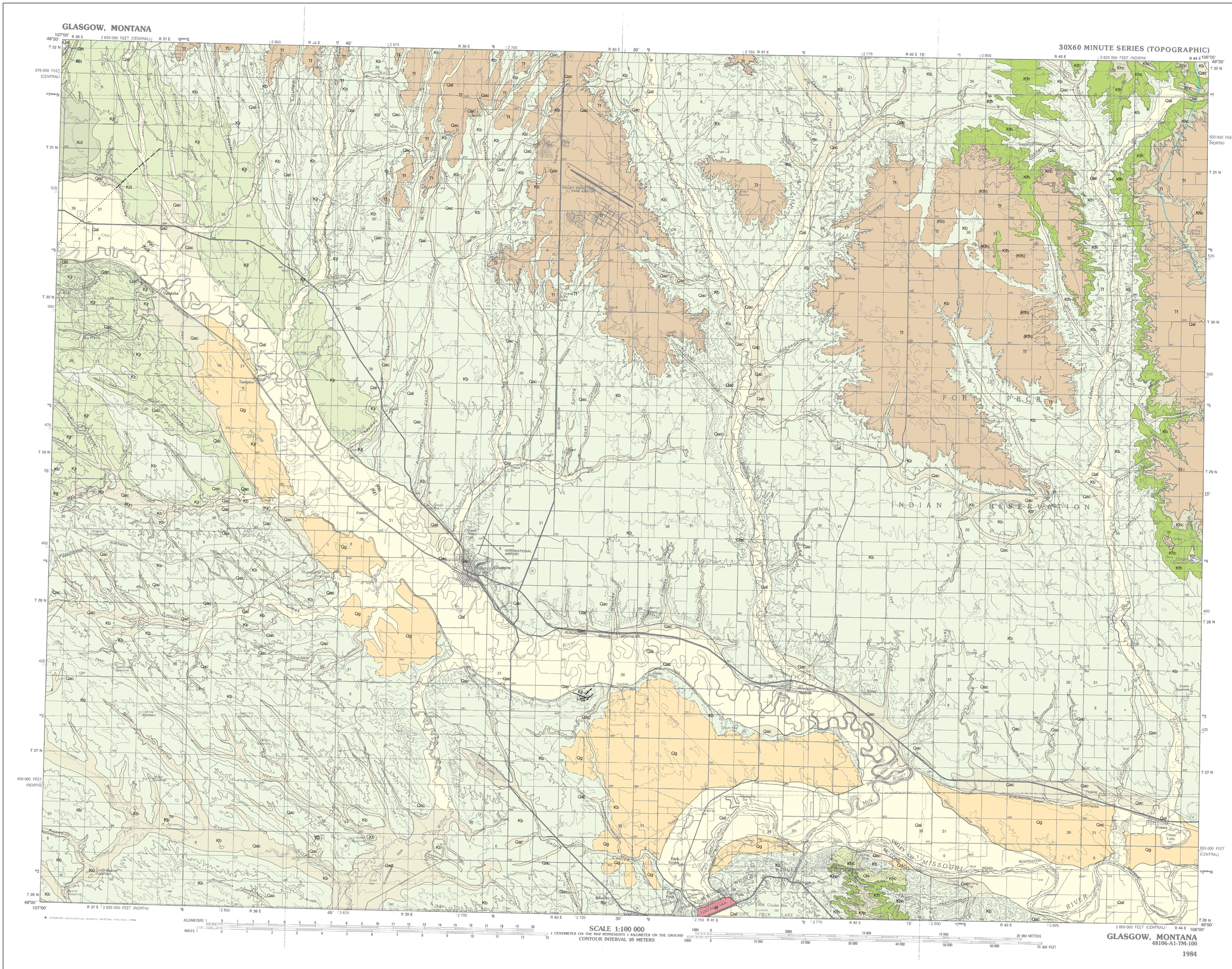

MAP UNITS

- 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

Montana Bureau of Mines and Geology
Open File 390

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

Robert N. Bergantino

1999

Partial support has been provided by the STATEMAP component of the National Cooperative Geologic Mapping Programof the U.S.Geological Survey under Contract Number 98-HQ-AG-2080.

Maps may be obtained from:
Publications Office,
Montana Bureau of Mines and Geology,
1300 West Park Street, Butte, Montana 59701.
Phone: (406) 496-4167 Fax: (406) 496-4451
http://www.mbmg.mtech.edu

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

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. Geolgical Survey Open-file Report 81-415.

Additional contour information from:

Collier, A.J., 1917, The Bowdoin dome: U.S. Geolgical Survey Bulletin 661, p. 193-209, plate 9, map scale1:375,000.

Erdmann, C.E. and Schwabrow, J.R.,1932, Structural contour map of the central part of the Bowdoin dome, [unpublished map]: U.S. Geological Survey, map scale 1:125,000

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

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