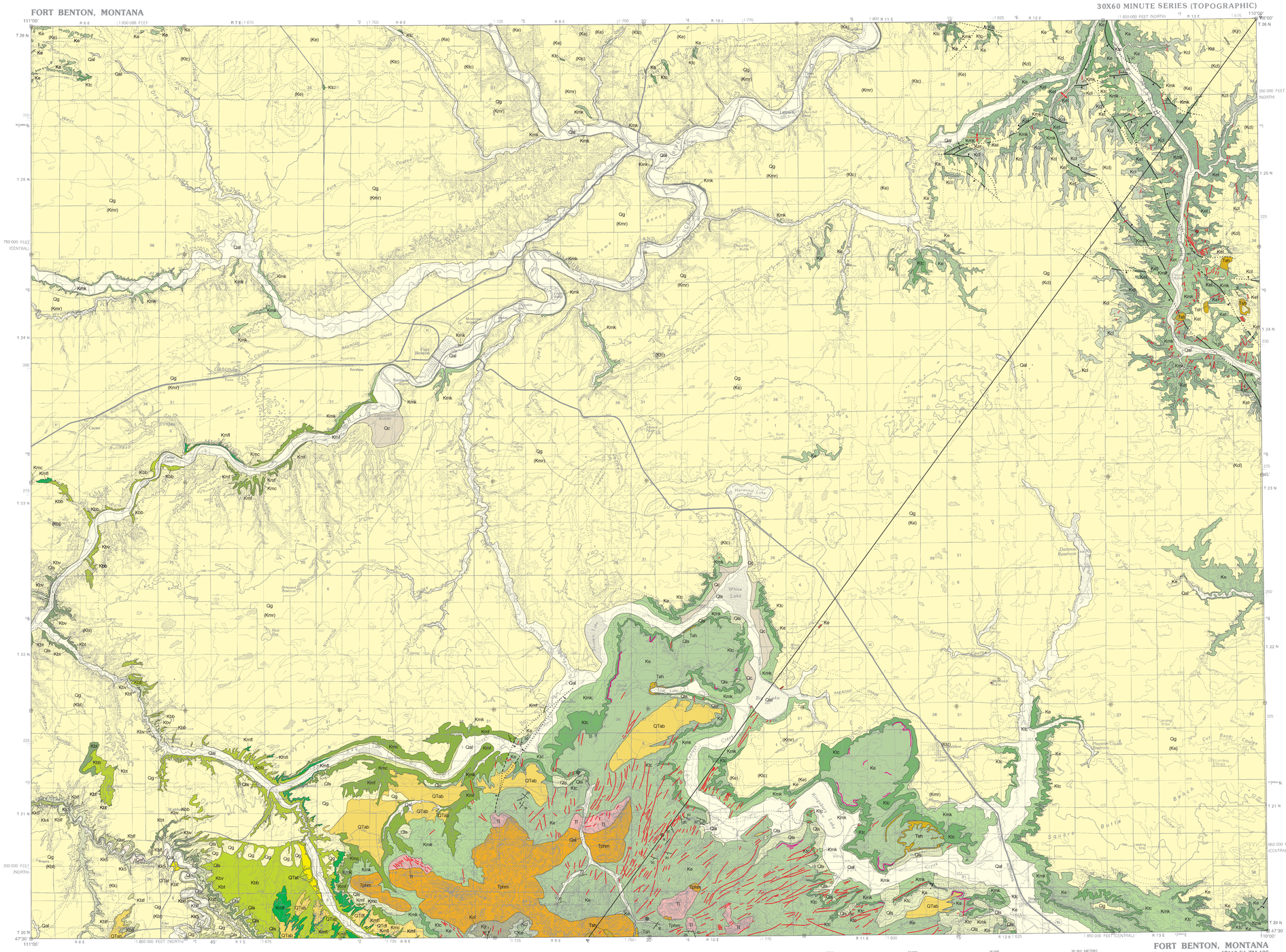
FORT BENTON, MONTANA

30X60 MINUTE SERIES (TOPOGRAPHIC)



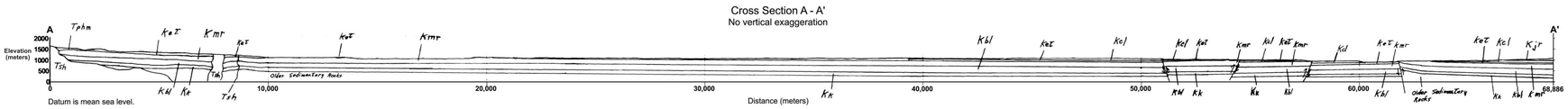

SCALE 1:100 000
1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND
CONTOUR INTERVAL 20 METERS

FORT BENTON, MONTANA
47110-E1-TM-100
1984

## MAP UNITS

| | |
|---|---|
| Qal | Alluvium of modern channels and flood plains |
| Qls | Landslide deposit |
| Qc | Colluvium |
| Qat | Alluvium of alluvial terrace deposit |
| Qg | Glacial deposits, undivided |
| QTab | Gravel |
| QTat | Alluvium of alluvial terrace deposit |
| QTaf | Debris flow deposit |
| Tl | Intrusive rocks, undivided |
| Tsh | Shonkinite |
| Tphm | Phonolite, mafic |
| Tl | Latite |
| Kjr | Judith River Formation |
| Kcl | Claggett Shale |
| Ke | Eagle Formation |
| Ket | Eagle and Telegraph Creek Formations, undivided |
| Ktc | Telegraph Creek Formation |
| Kmk | Kevin Member of Marias River Formation |
| Kmf | Ferdig Member of Marias River Formation |
| Kmc | Cone Member of Marias River Formation |
| Kmfl | Floweree Member of Marias River Formation |
| Kbb | Bootlegger Member of Blackleaf Formation |
| Kbv | Vaughn Member of Blackleaf Formation |
| Kbt | Taft Hill Member of Blackleaf Formation |
| Kbtf | Flood Member of Blackleaf Formation |
| Kk5 | Kootenai Formation, member 5, informal |
| Kk4 | Kootenai Formation, member 4, informal |

Cross Section A - A'
No vertical exaggeration




Datum is mean sea level.

For clarity, surficial deposits are not shown.
The Eagle and Telegraph Creek Formations are combined and shown as Ket.

Thicknesses used in cross section

| Unit | Feet | Meters |
|---|---|---|
| Kjr | 500 | 150 |
| Kcl | 475 | 145 |
| Ket | 280 | 85 |
| Kmr | 900 | 270 |
| Kbl | 850 | 260 |
| Kk | 500 | 150 |

Montana Bureau of Mines and Geology
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# Geologic Map of the Fort Benton 30' x 60' Quadrangle North-central Montana

Richard B. Berg and Susan M. Vuke

2002

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Maps may be obtained from
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