

Montana Bureau of Mines and Geology
Open File No. 451

Geologic Map of the
Rocky Boy 30' x 60' Quadrangle,
North-central Montana

Digital map compilation and mapping of Quaternary deposits
Robert N. Bergantino and Karen W. Porter
Montana Bureau of Mines and Geology

Original bedrock compilation
B. Carter Hearn, Jr.
U.S. Geological Survey

2002

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

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

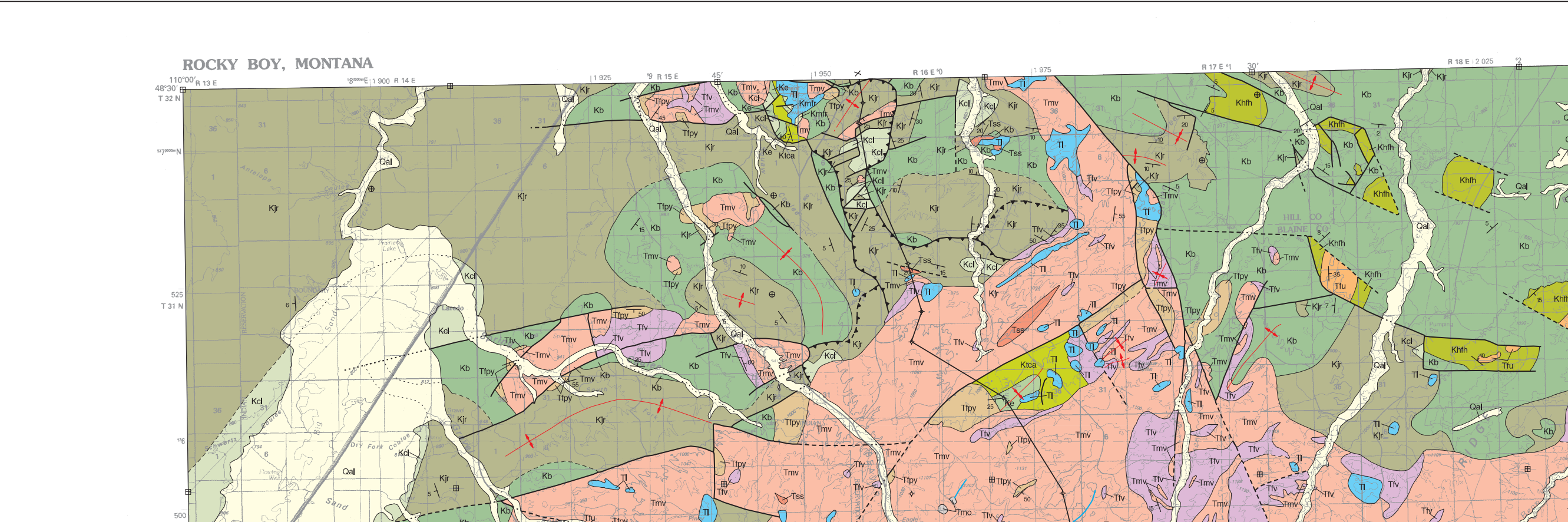
[Digital data link](#)

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.**

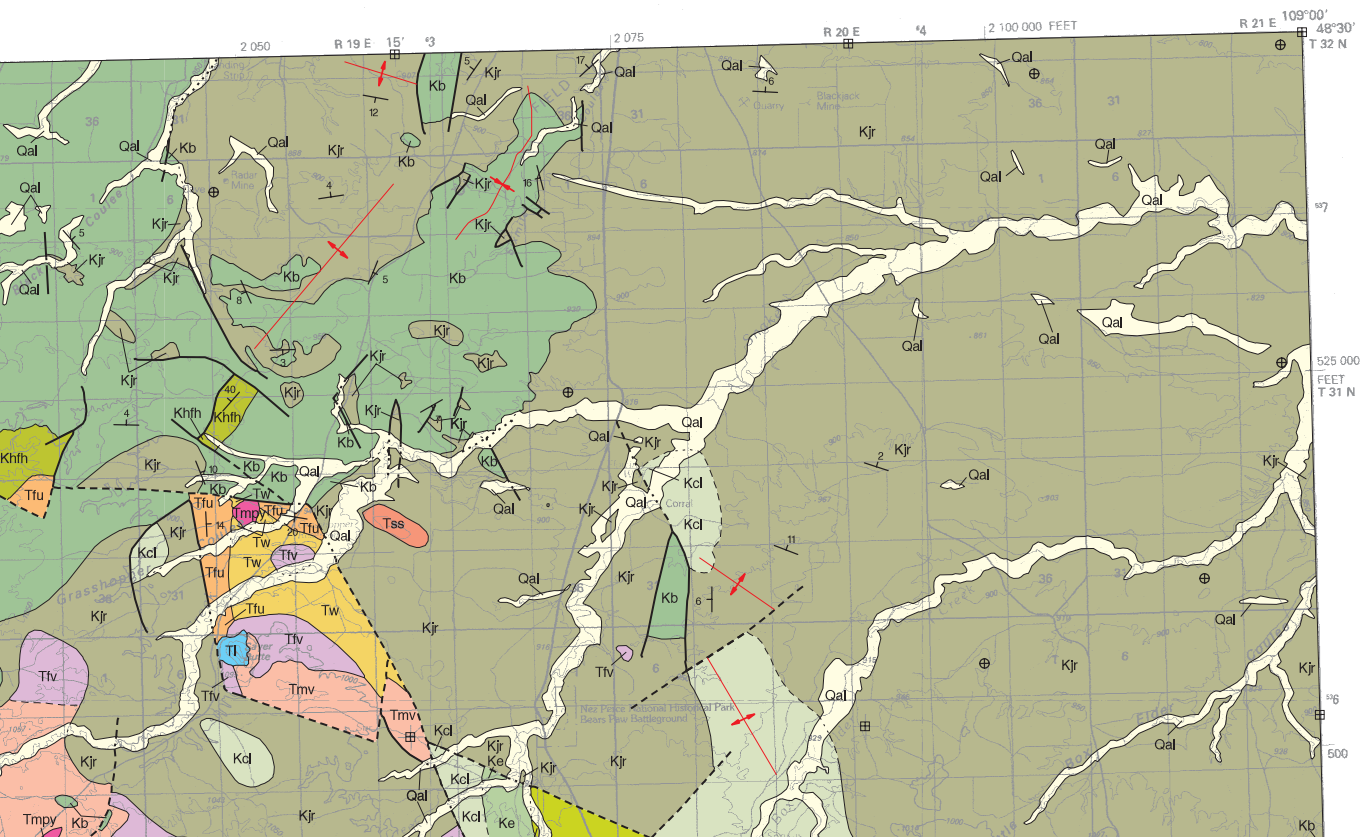
Phone: 406-496-4167

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Open File MBMG 451, Plate 1 of 1
Geologic Map, Rocky Boy 30'x60' Quadrangle

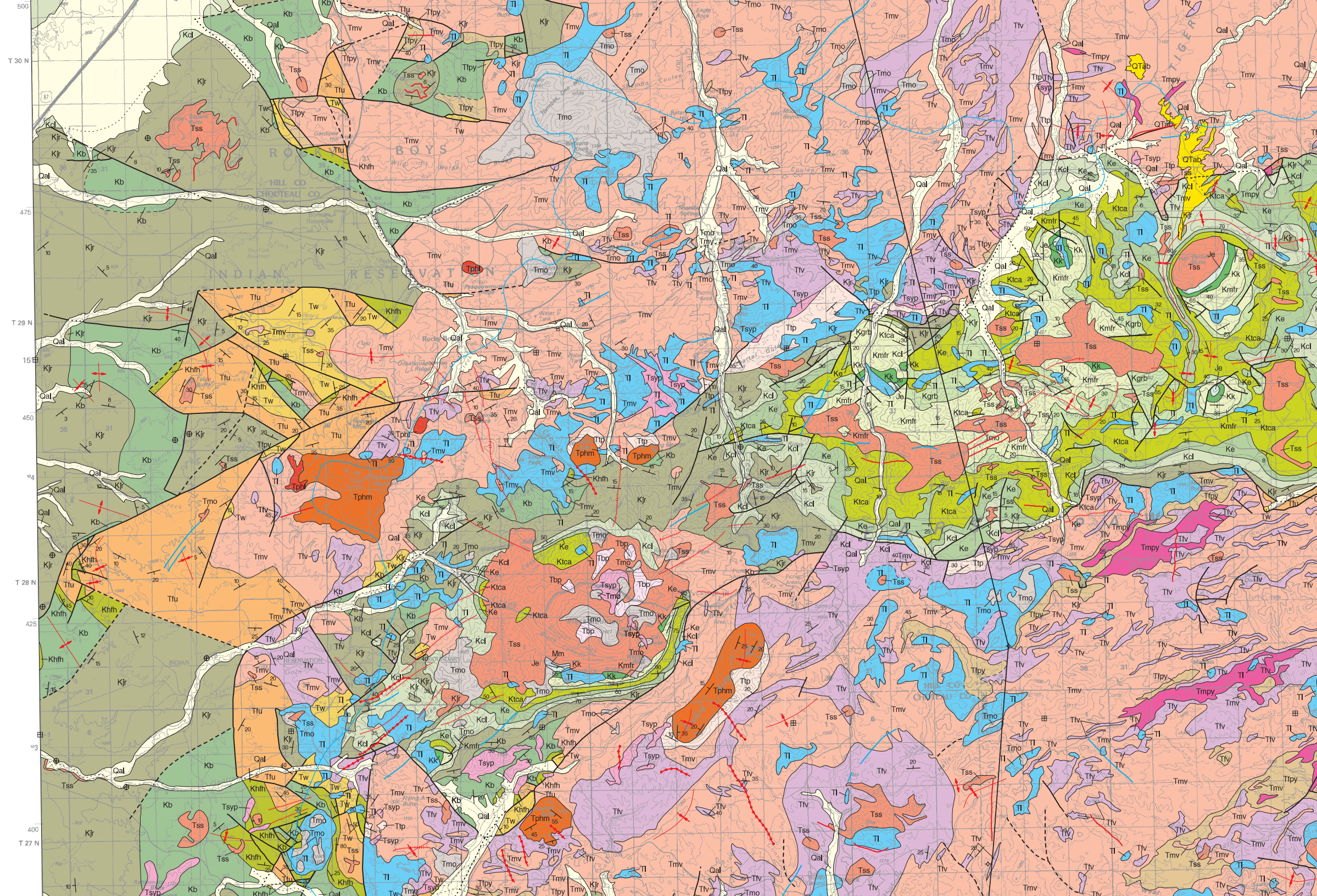


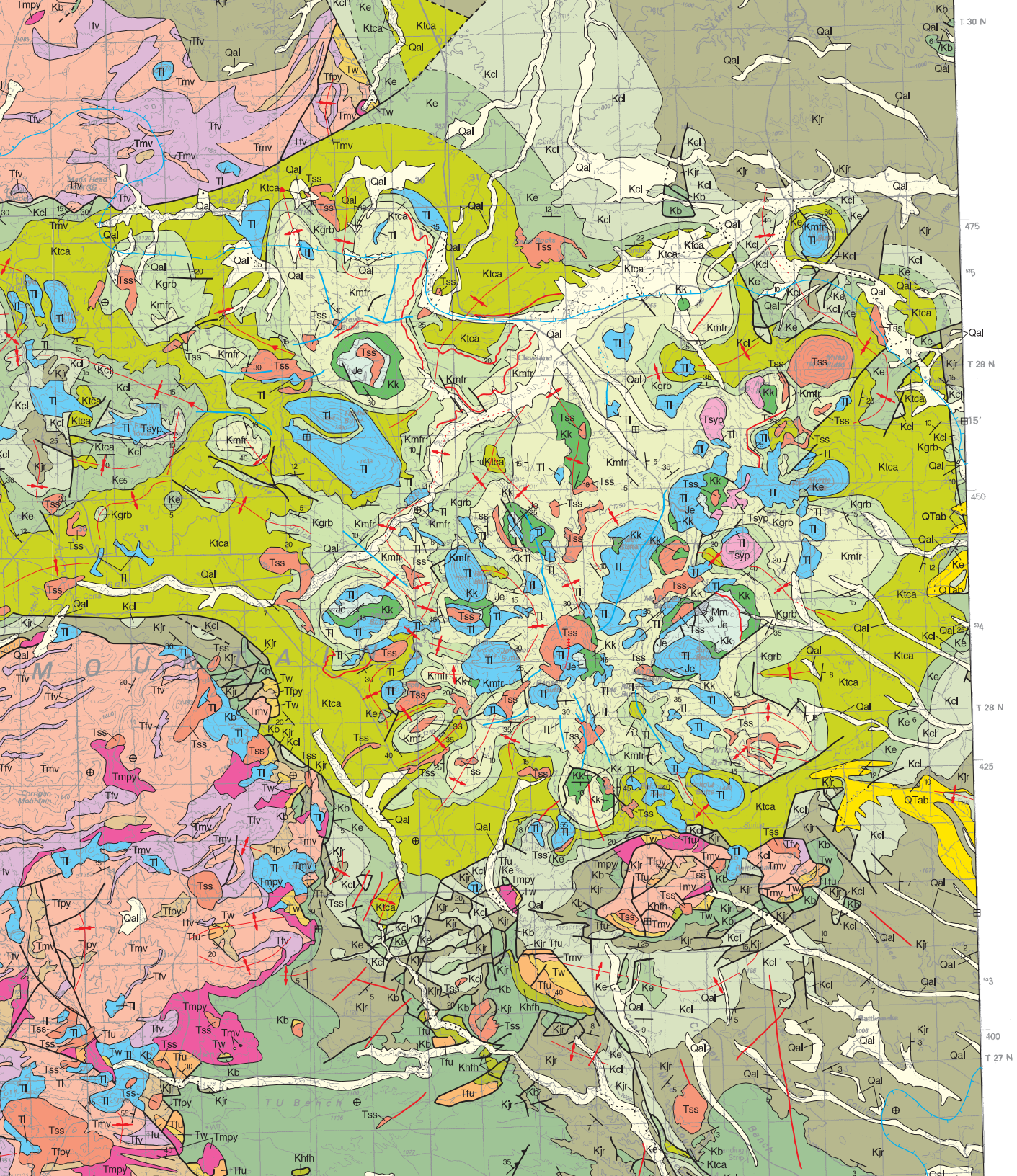
MONTANA BUREAU OF MINES AND GEOLOGY
A Department of Montana Tech of The University of Montana



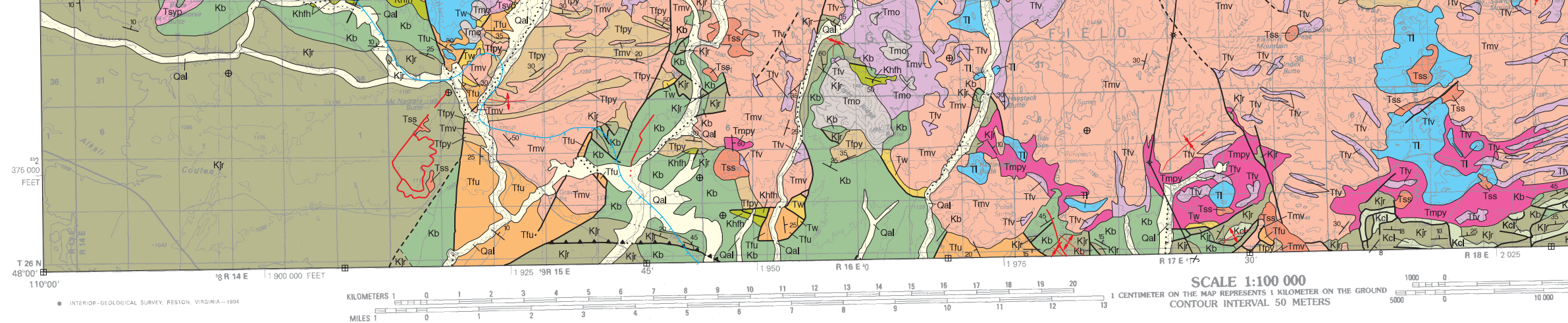
MAP UNITS

Qal	Alluvium
QTab	Alluvium of braid plain
Tphi	Phonolite, mafic, intrusive
Tphm	Phonolite, mafic
Ttp	Trachyte porphyry
Tsyp	Syenite porphyry
Tlv	Felsic volcanic rocks
Tl	Latite and porphyritic latite
Tmo	Monzonite
Tmv	Mafic volcanic rocks
Tlpy	Felsic pyroclastic rocks
Tss	Shonkinite and syenite
Tmpy	Mafic pyroclastic rocks
Tbn	Biotite pyroxenite





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|------|--|
| Tbp | Biotite pyroxenite |
| Tw | Wasatch Formation |
| Tfu | Fort Union Formation, undivided |
| Khfh | Hell Creek Formation and Fox Hills Formation, undivided |
| Kb | Bearpaw Shale |
| Kjr | Judith River Formation |
| Kcl | Claggett Shale |
| Ke | Eagle Formation |
| Ktca | Telegraph Creek Formation through Cardile Formation, undivided |
| Kgrb | Greenhorn Formation and Belle Fourche Shale |
| Kmfr | Mowry Formation through Fall River Formation, undivided |
| Kk | Kootenai Formation |
| Je | Ellis Group, undivided |
| Mm | Madison Group, undivided |



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