

Montana Bureau of Mines and Geology
Open File No. 386

Geologic Map of the
Musselshell 30' x 60' Quadrangle,
Central Montana

Karen W. Porter and Edith W. Wilde

1999

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

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

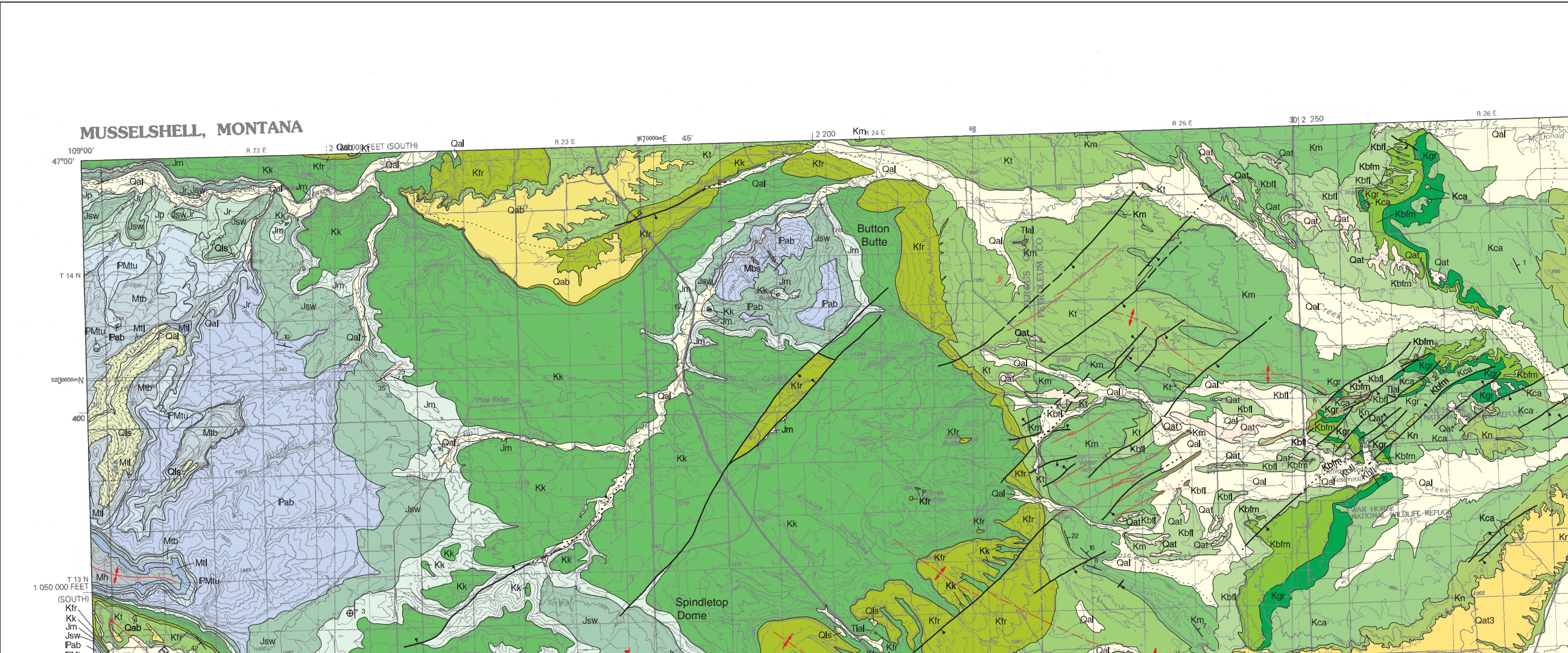
[Digital data link](#)

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.**

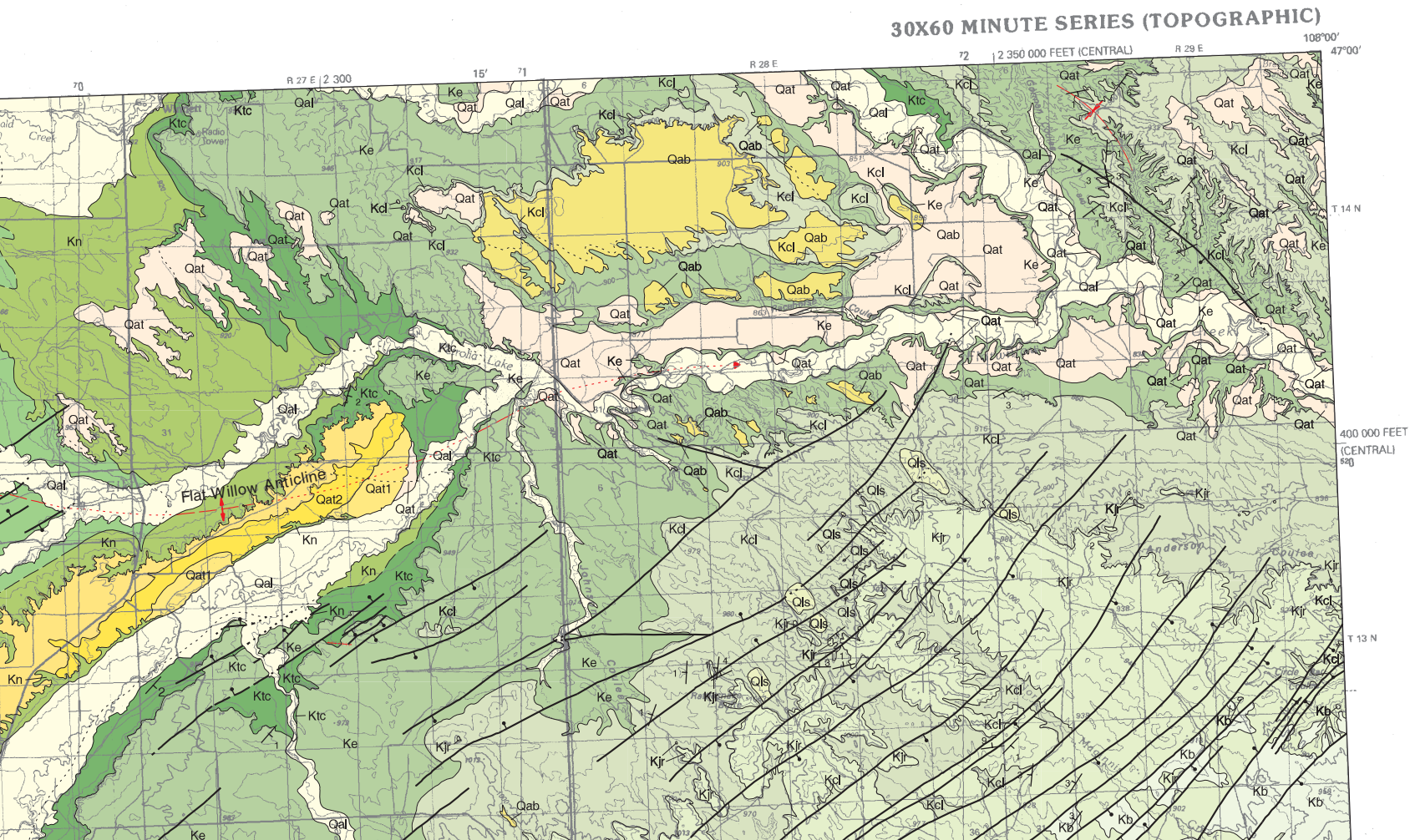
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Open File MBMG 386, Plate 1 of 1
Geologic Map, Musselshell 30'x60' Quadrangle

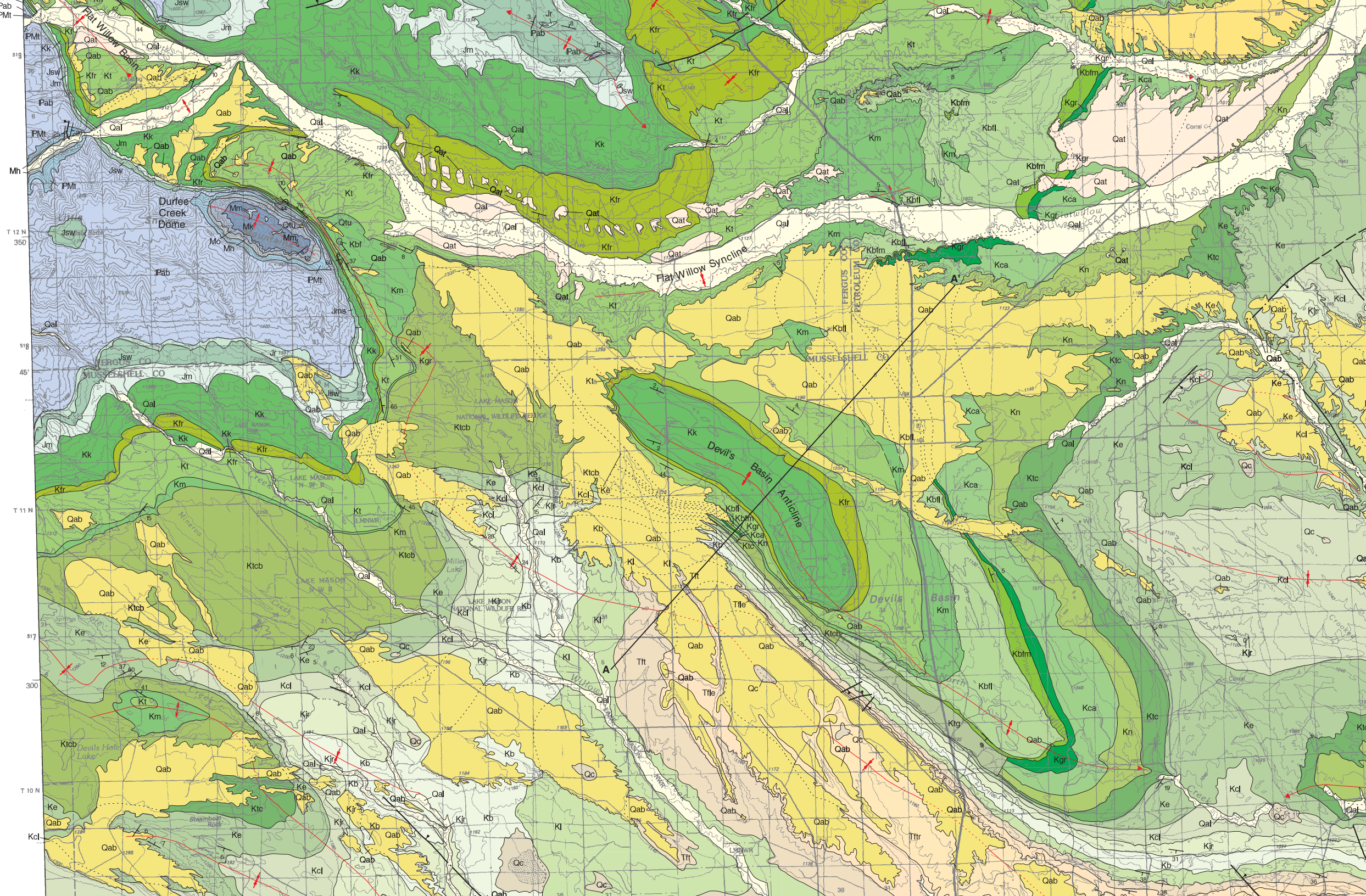


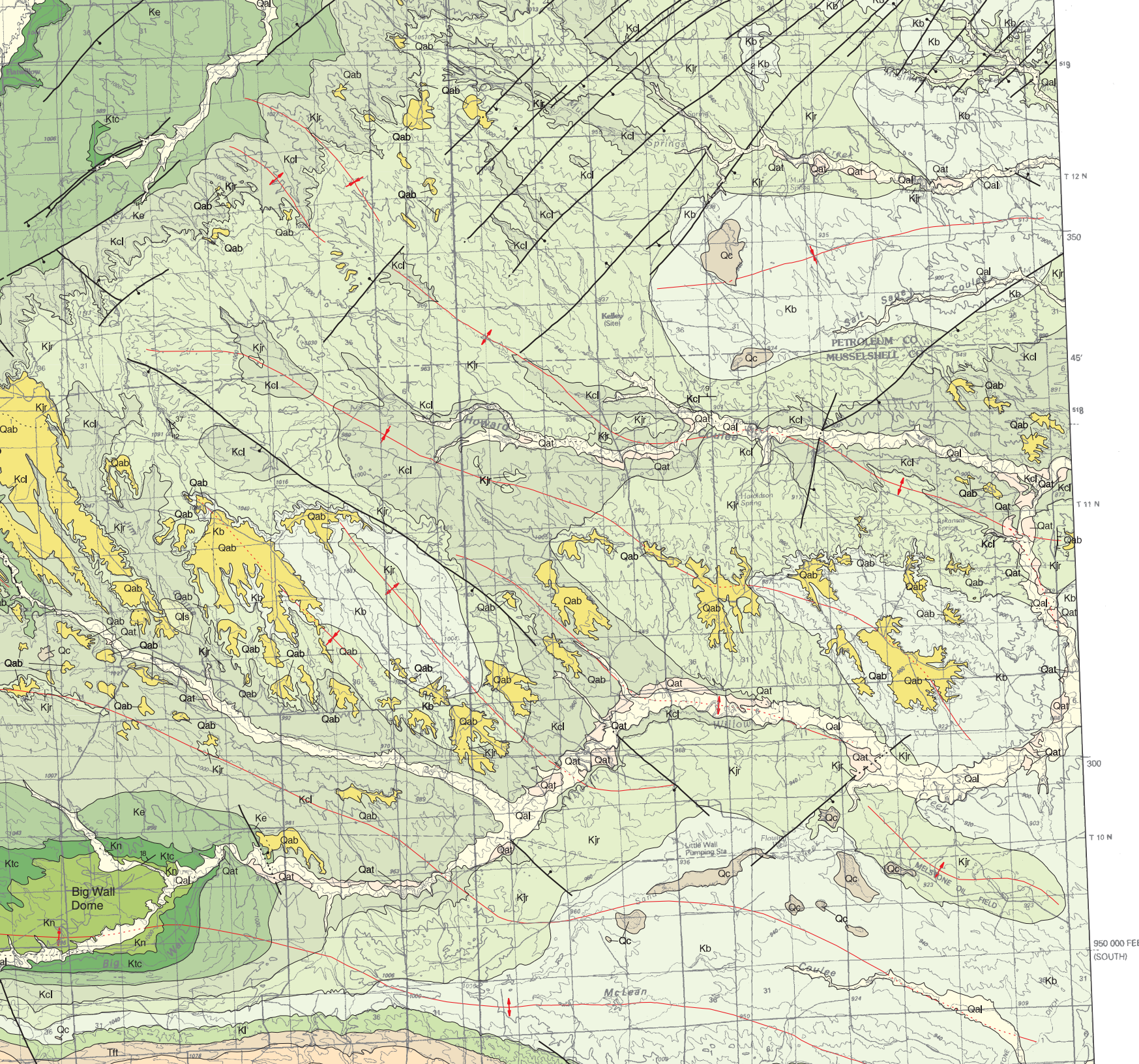
MONTANA BUREAU OF MINES AND GEOLOGY
A Department of Montana Tech of The University of Montana



MAP UNITS

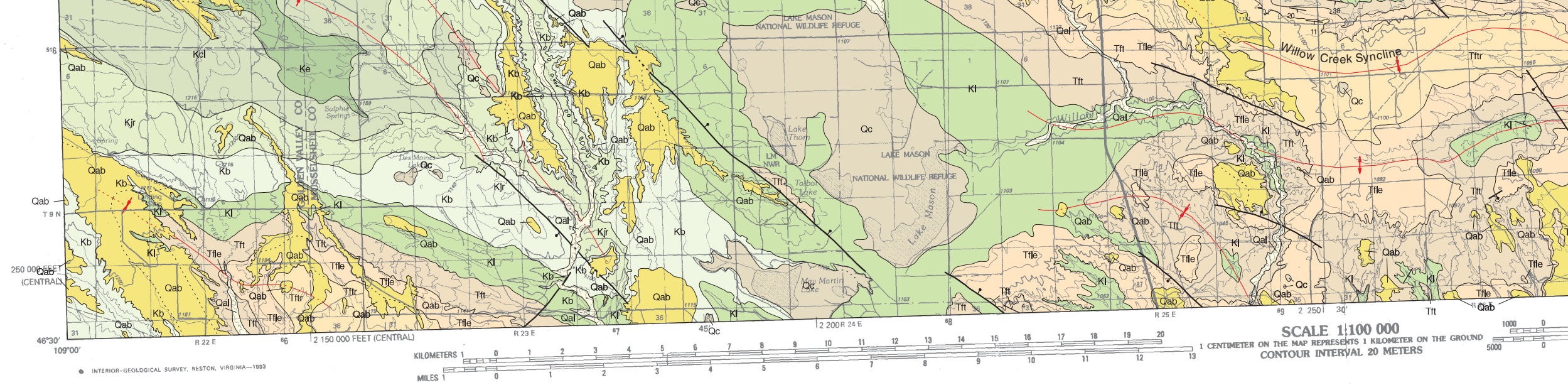
Qal	Alluvium of modern channels and flood plains
Qc	Colluvium
Qls	Landslide deposit
Qat	Alluvium of alluvial terrace deposit
Qat1	Alluvium of youngest alluvial terrace level
Qat2	Alluvium of second youngest alluvial terrace level
Qat3	Alluvium of third youngest alluvial terrace level
Qab	Alluvium of braid plains
Qtu	Tufa deposit
Ttfr	Tongue River Member of Fort Union Formation
Ttle	Lebo Member of Fort Union Formation
Ttft	Tullock Member of Fort Union Formation
Tlal	Intrusive rocks, alkalic, undivided
Kl	Lance Formation
Kb	Bearpaw Shale
Kjr	Judith River Formation
Kcl	Claggett Shale
Ke	Eagle Formation
Ktc	Telegraph Creek Formation
Ktcb	Telegraph Creek Formation through Belle Fourche Formation, undivided





- Ktd Telegraph Creek Formation through Greenhorn Formation, undivided
- Kn Niobrara Formation
- Kca Carlile Formation
- Kgr Greenhorn Formation
- Kbfm Mosby Sandstone Member of Belle Fourche Shale
- Kbll Lower member of Belle Fourche Shale, informal
- Km Mowry Shale
- Kt Thermopolis Formation
- Kfr Fall River Formation
- Kk Kootenai Formation
- Kbf Belle Fourche Shale
- Jm Morrison Formation
- Jms Morrison Formation and Swift Formation, undivided
- Jsw Swift Formation
- Jr Rierdon Formation
- Jp Piper Formation
- IPab Alaska Bench Formation
- IPMt Tyler Formation
- IPMtU Upper member of Tyler Formation, informal
- Mtb Bear Gulch Limestone Member of Tyler Formation
- Mtl Lower member of Tyler Formation, informal
- Mbs Big Snowy Group, undivided or Big Snowy Formation
- Mh Heath Formation
- Mo Otter Formation
- Mk Kibbey Formation
- Mm Madlson Group, undivided





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