

Montana Bureau of Mines and Geology
Open File No. 307

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

Karen W. Porter and Edith M. Wilde

1993 (revised 1999)

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

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

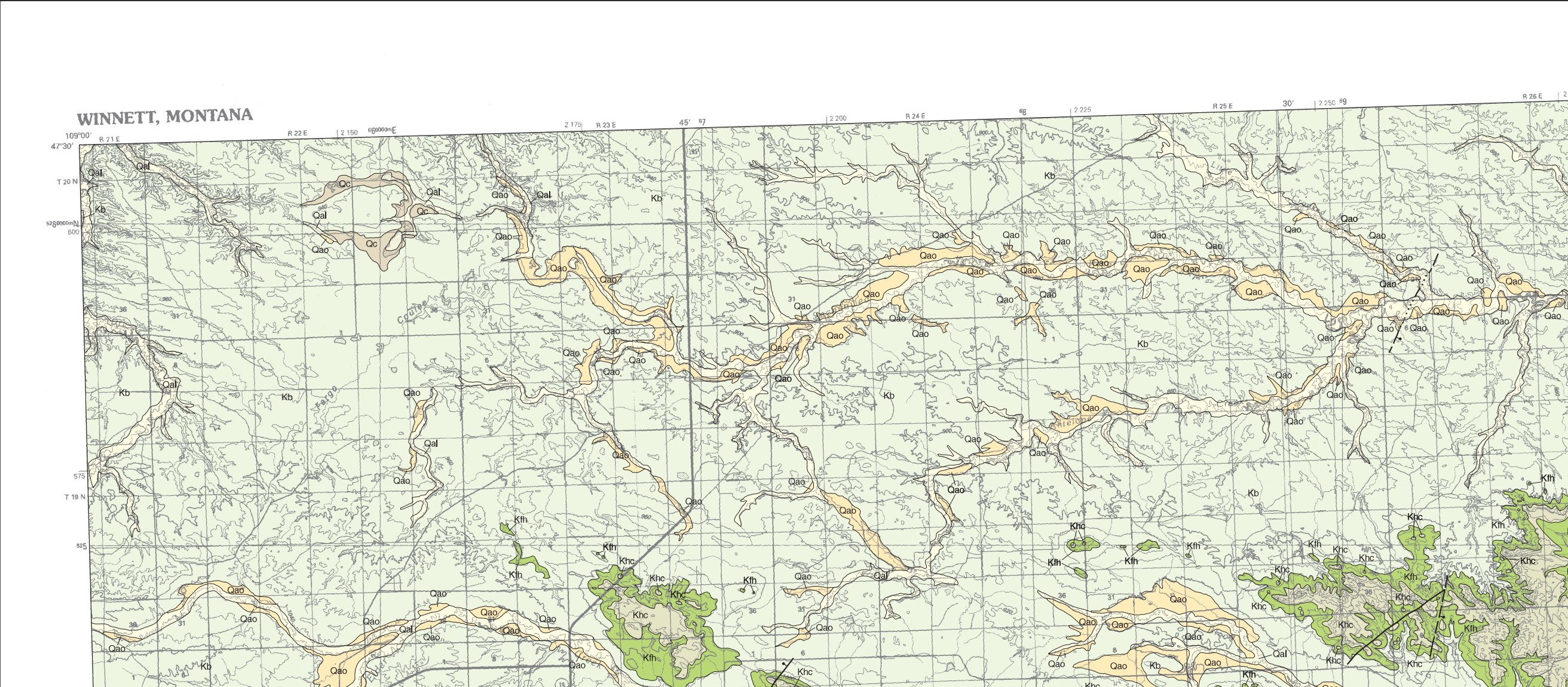
[Digital data link](#)

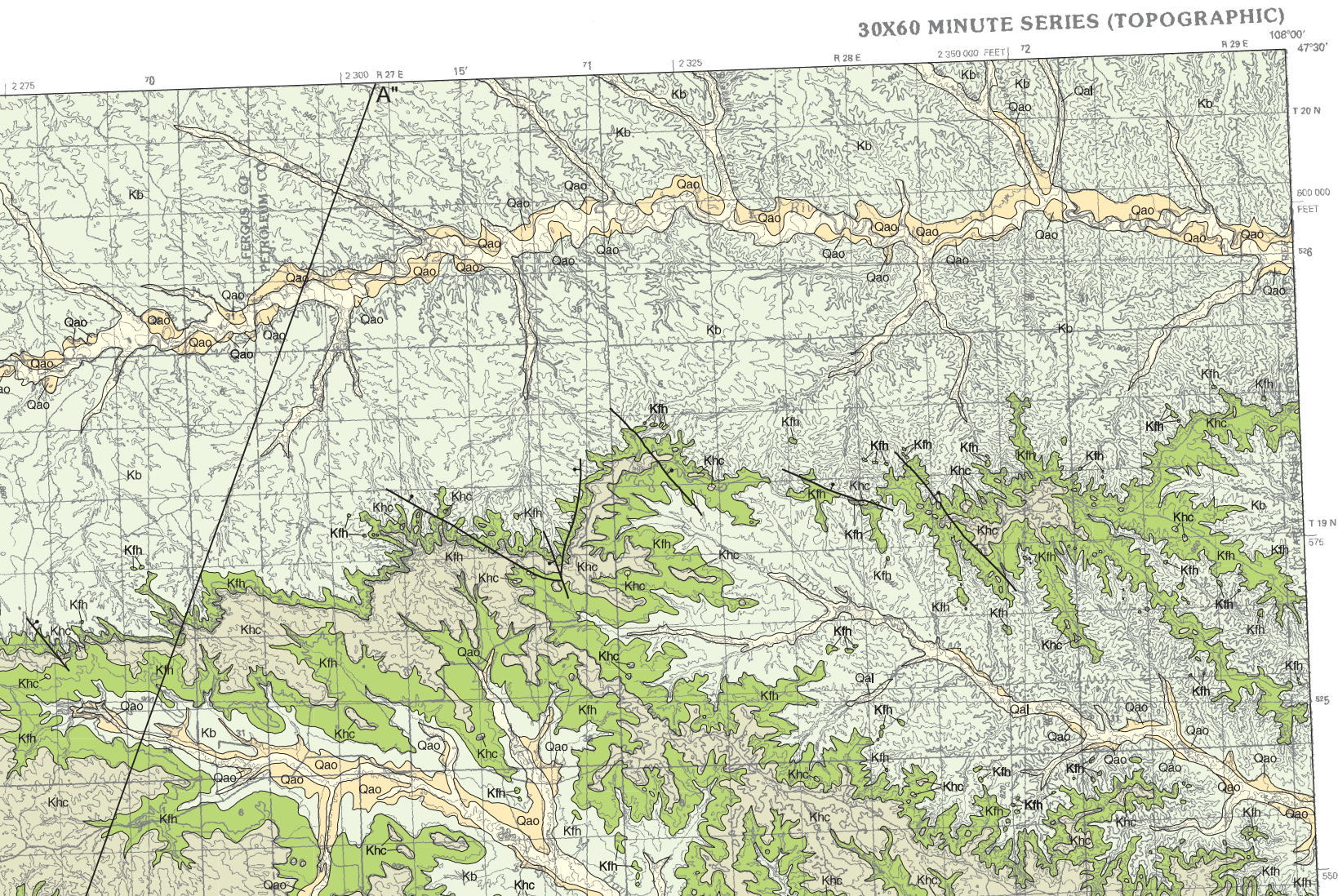
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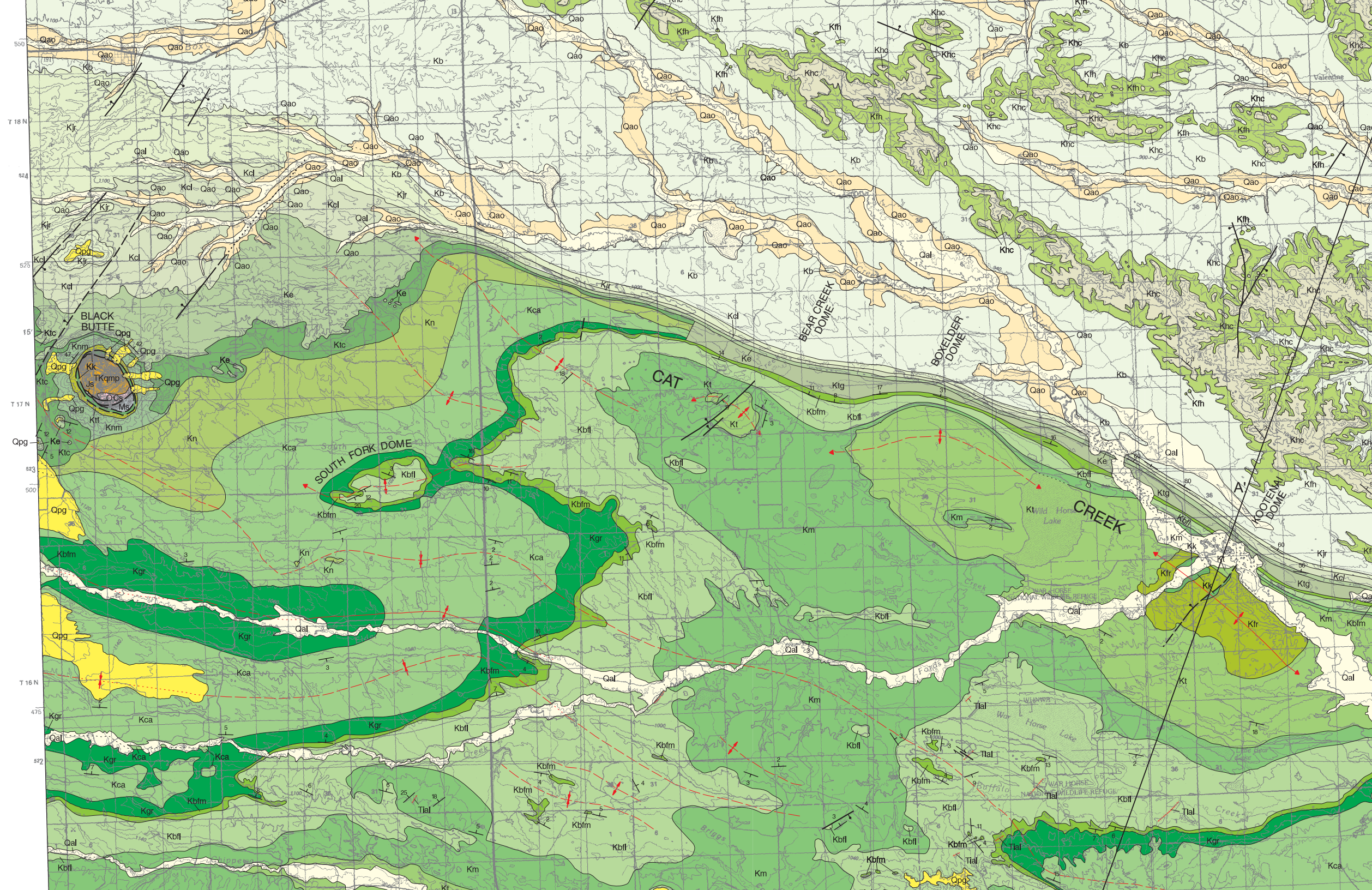
Open File MBMG 307, Plate 1 of 1
Geologic Map, Winnett 30'x60' Quadrangle, 1993 (revised 1999, 2007)





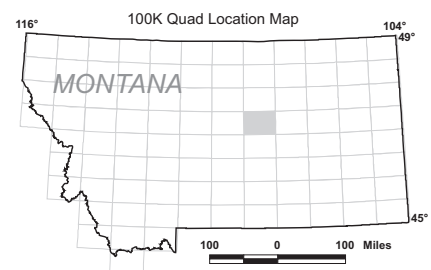
MAP UNITS

Qal	Alluvium of modern channels and flood plains
Qc	Colluvium
Qao	Alluvium, older, undivided
Qpg	Pediment gravel
Tft	Tullock Member of Fort Union Formation
TKqmp	Quartz monzonite porphyry
Khc	Hell Creek Formation
Kfh	Fox Hills Formation
Kb	Bearpaw Shale
Kjr	Judith River Formation
Kcl	Claggett Shale
Ke	Eagle Formation
Ktc	Telegraph Creek Formation
Ktg	Telegraph Creek Formation through Greenhorn Formation, undivided
Kn	Niobrara Formation
Knm	Niobrara Formation through Mowry Shale, undivided
Kca	Carlille Formation
Kgr	Greenhorn Formation
Kbf	Belle Fourche Shale



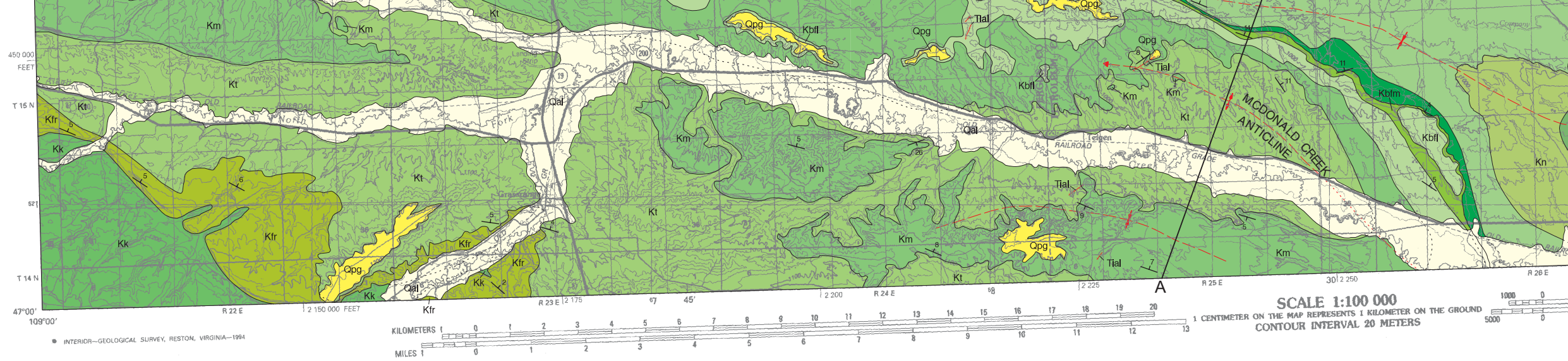


- Kbfm Mosby Sandstone Member of Belle Fourche Shale
- Kbfl Lower member of Belle Fourche Shale, informal
- Km Mowry Shale
- Kt Thermopolis Formation
- Ktf Thermopolis Formation and Fall River Formation, undivided
- Kfr Fall River Formation
- Kk Kootenai Formation
- Js Sedimentary rocks, undivided
- Ms Sedimentary rocks, undivided
- OCs Sedimentary rocks, undivided

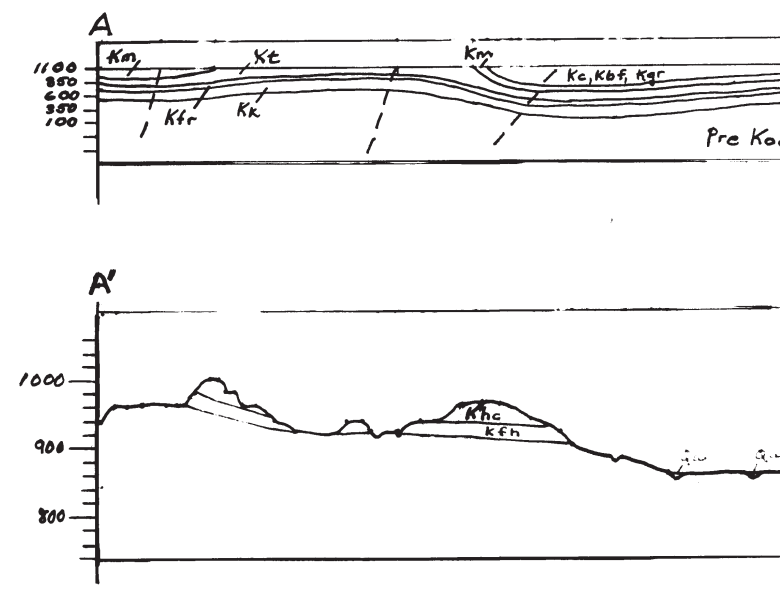


Quad index

WINIFRED	ZORTMAN	FORT PECK LAKE WEST
LEWISTOWN	WINNETT	SAND SPRINGS
BIG SNOWY MOUNTAIN	MUSSEL-SHELL	MELSTONE



Base from U.S. Geological Survey
Winnett 30'x60' topographic quadrangle
Map date: 1986; edited 1991
Projection: UTM zone 12; 1927 NAD



CROSS SECTIONS A-A' AND

Karen

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Revised	Date
added cross section map - S M Vuke	1999 8/07

