

Montana Bureau of Mines and Geology
Open File No. 433

Geologic Map of the Alzada
30' x 60' Quadrangle, Eastern Montana

Compiled and mapped by Susan M. Vuke, Edith M. Wilde,
Roger B. Colton, and Robert N. Bergantino

2001

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

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

[Digital Data Link](#)

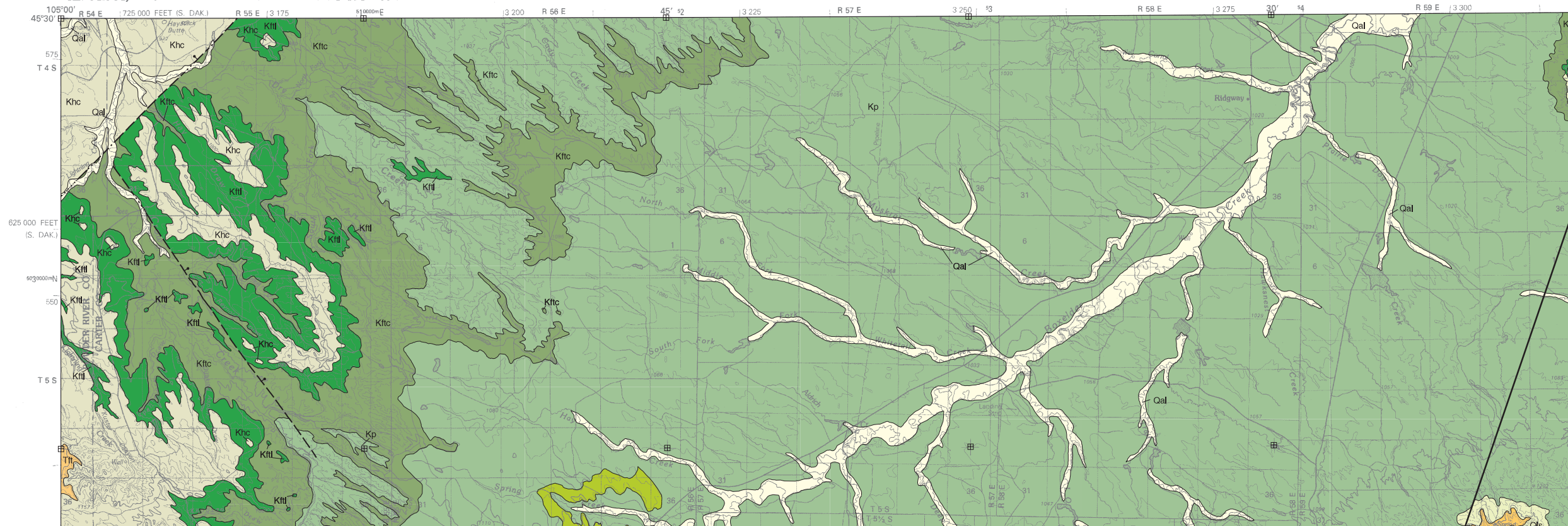
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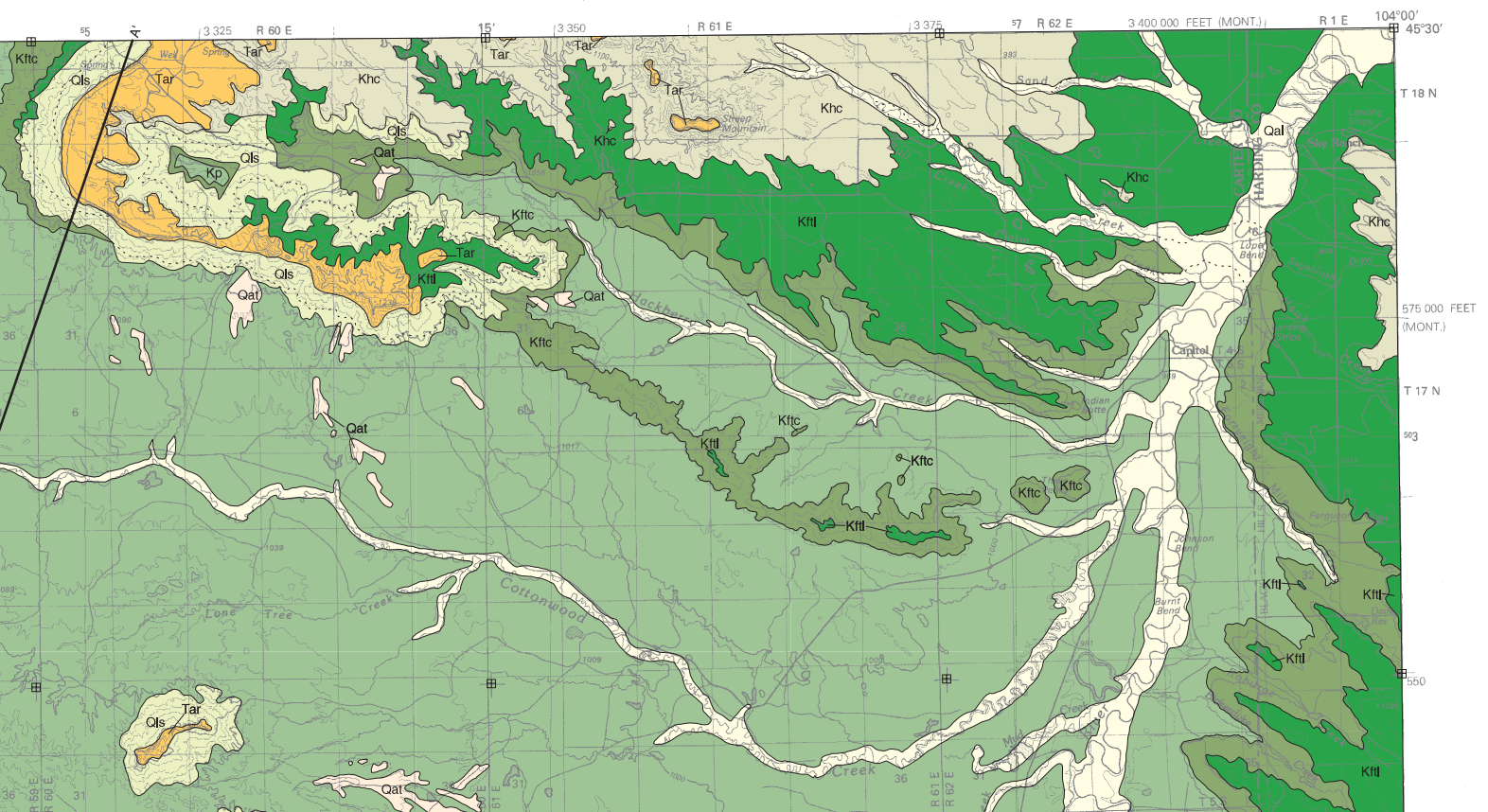
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Open File MBMG 433, Plate 1 of 1
Geologic Map, Alzada 30'x60' Quadrangle

ALZADA, MONTANA-SOUTH DAKOTA-WYOMING

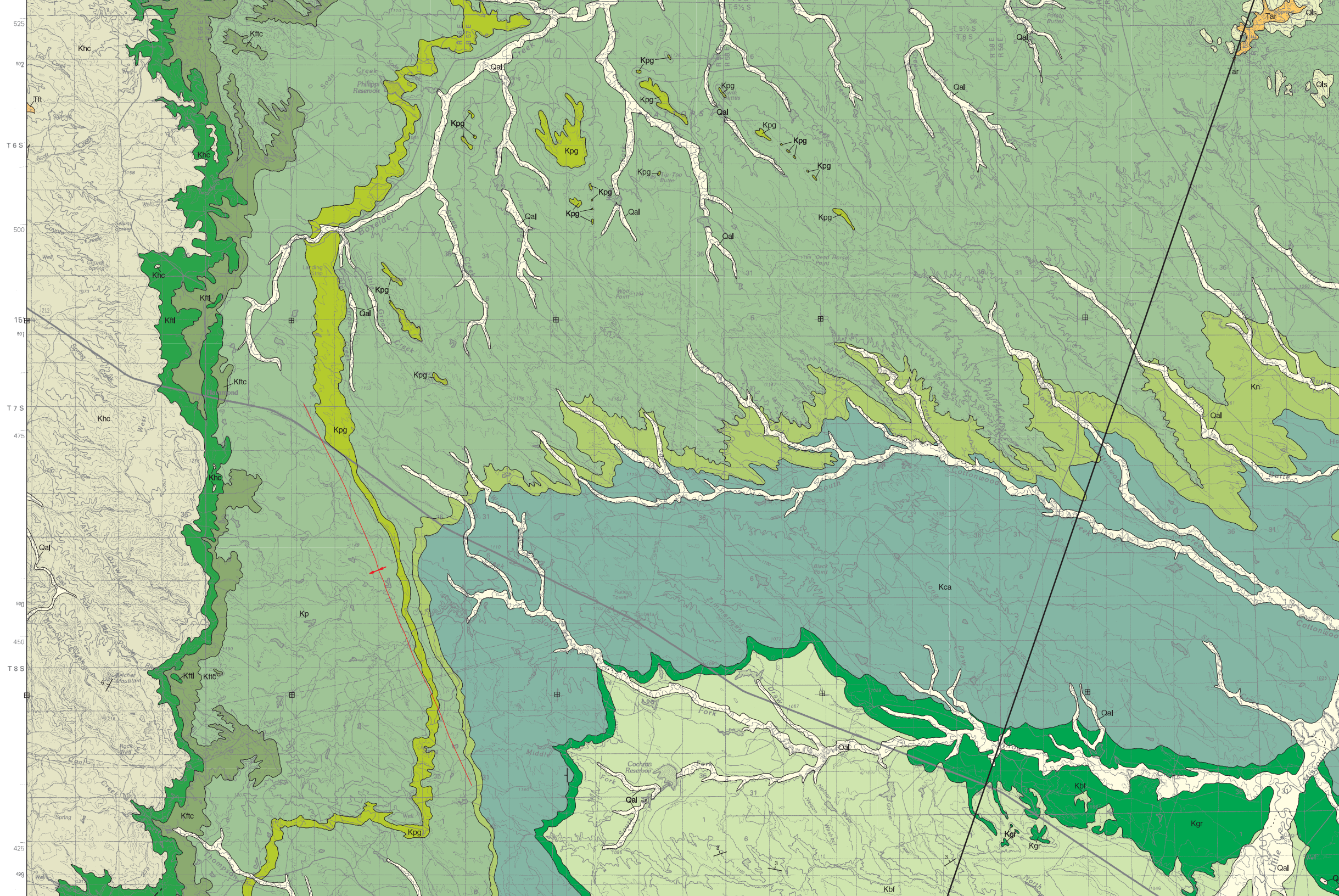


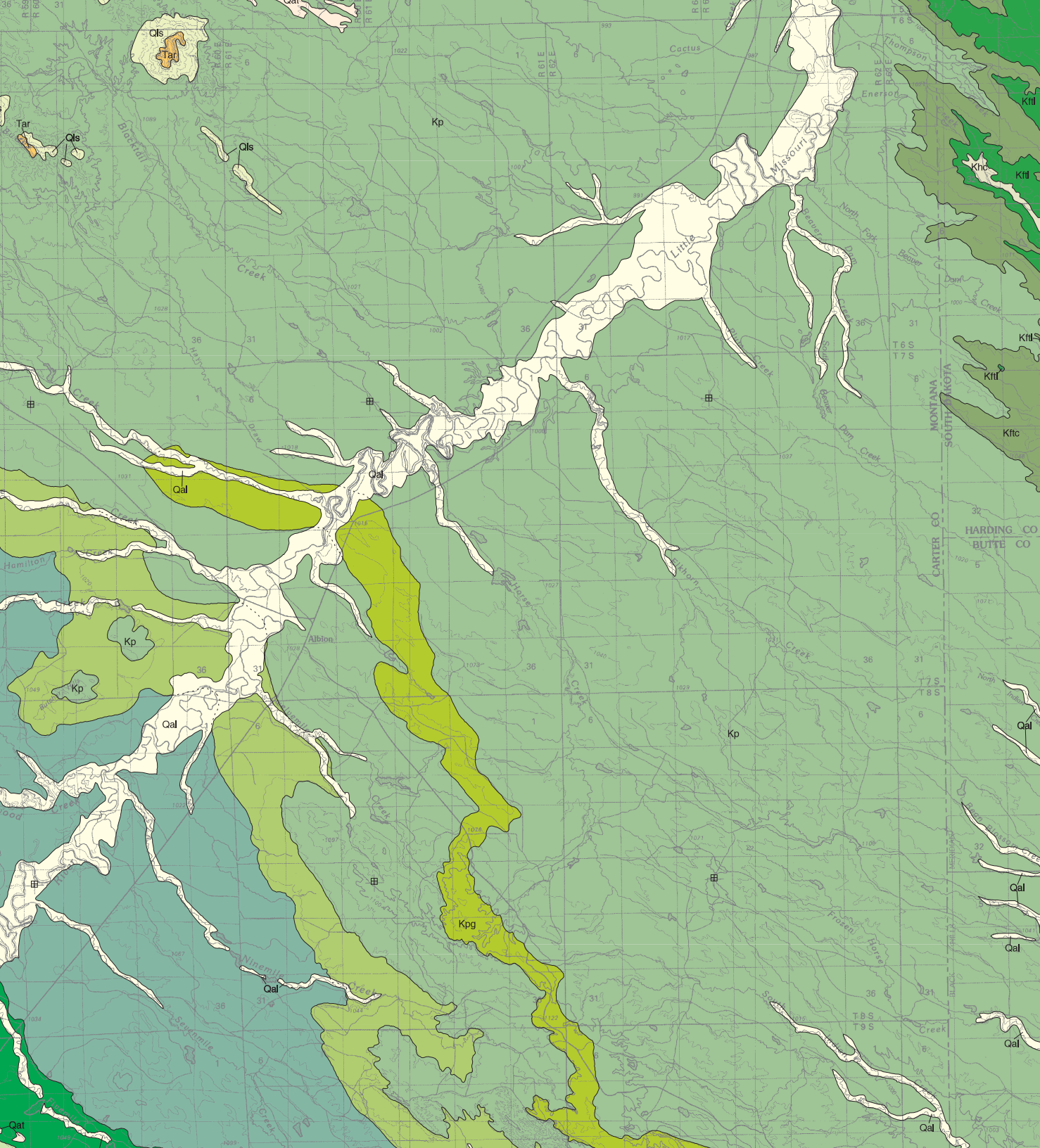
MONTANA BUREAU OF MINES AND GEOLOGY
 A Department of Montana Tech of The University of Montana



MAP UNITS

Qal	Alluvium of modern channels and flood plains
Qat	Alluvium of alluvial terrace deposit
Qls	Landslide deposit
QTat	Alluvium of alluvial terrace deposit
Tar	Arikaree Formation
Tft	Tullock Member of Fort Union Formation
Khc	Hell Creek Formation
Kfl	Timber Lake Member of Fox Hills Formation
Kftc	Trail City Member of Fox Hills Formation



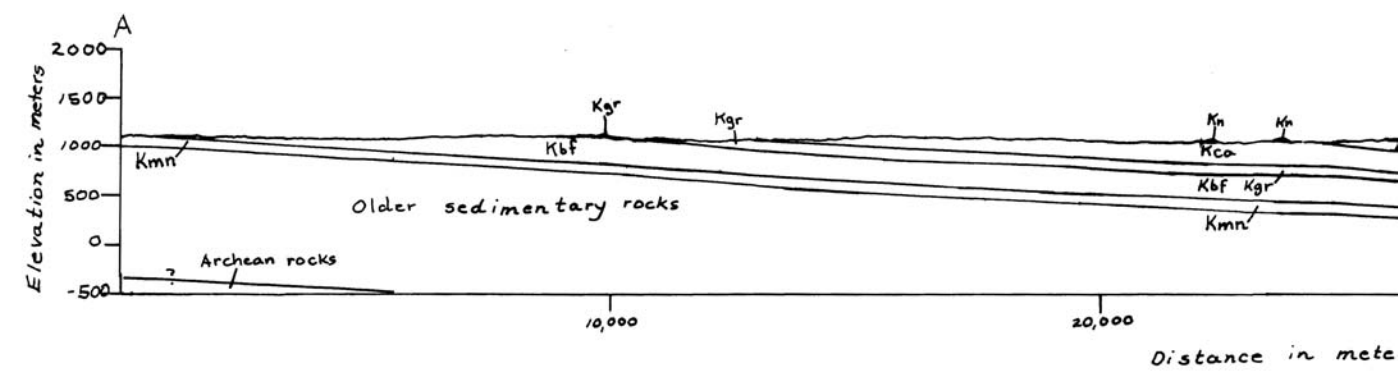
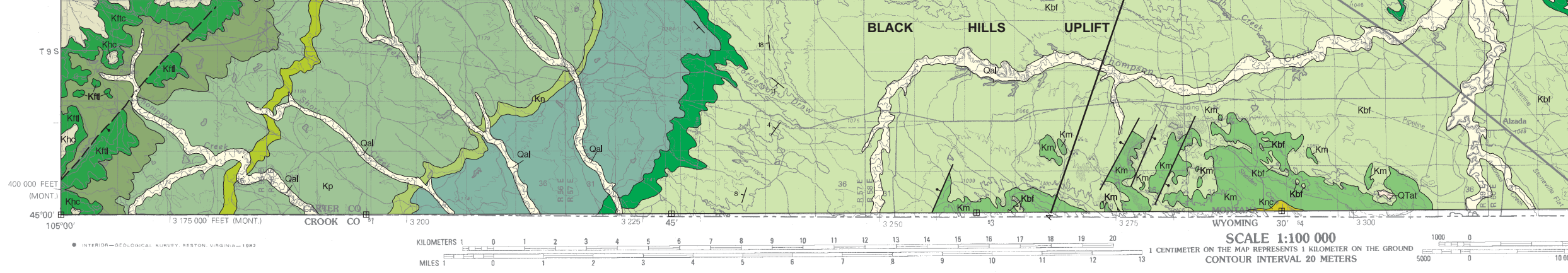


- Kftc Trail City Member of Fox Hills Formation
- Kp Pierre Shale
- Kpg Groat sandstone bed, informal, of Pierre formation,
- Kn Niobrara Formation
- Kca Carlisle Formation
- Kgr Greenhorn Formation
- Kbf Belle Fourche Shale
- Km Mowry Shale
- Knc Newcastle Formation



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 T 15 N
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 T 14 N
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MONTANA
 SOUTH DAKOTA
 CARTER CO.
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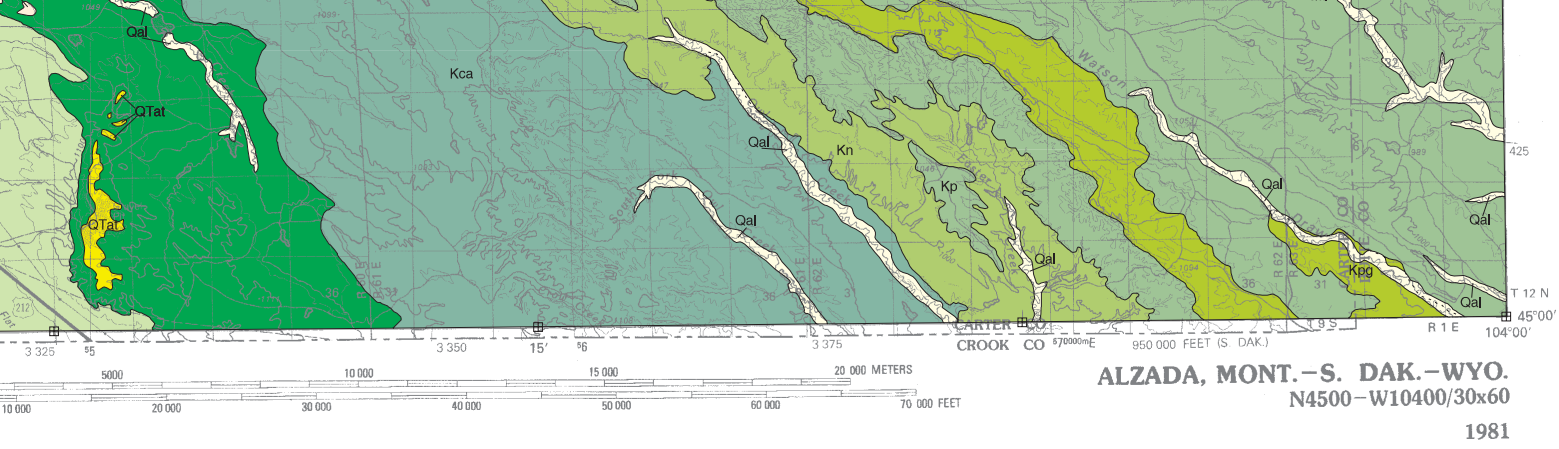
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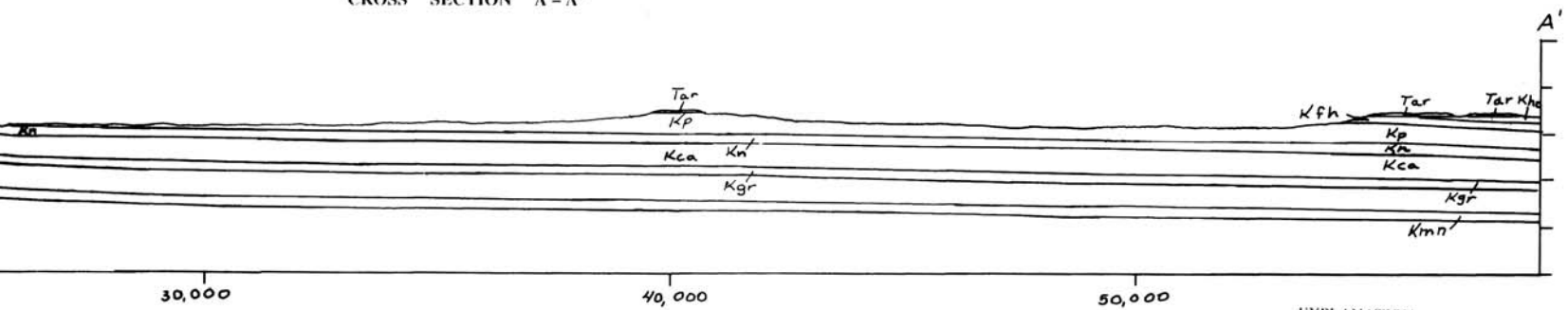
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GIS production: Ken Sandau and Paul Thale, MBMG; Map layout: Susan M. Vuke



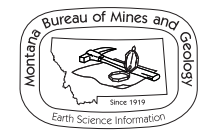
CROSS SECTION A - A'



Surficial deposits not shown
Vertical exaggeration: 2x
Datum: mean sea level

EXPLANATION

Tar	Arikaree Formation
Khc	Hell Creek Formation
Kfh	Fox Hills Formation
Kp	Pierre Shale
Kn	Niobrara Formation
Kca	Carlisle Shale
Kgr	Greenhorn Formation
Kbf	Belle Fourche Formation
Kmn	Mowry and Newcastle Formations, Undivided



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