

Montana Bureau of Mines and Geology
Open File No. 341

Preliminary Geologic Map of the
Big Snowy Mountains 30' x 60' Quadrangle,
Central Montana

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1996 (revised 1999, 2005)

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

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

[Digital data link](#)

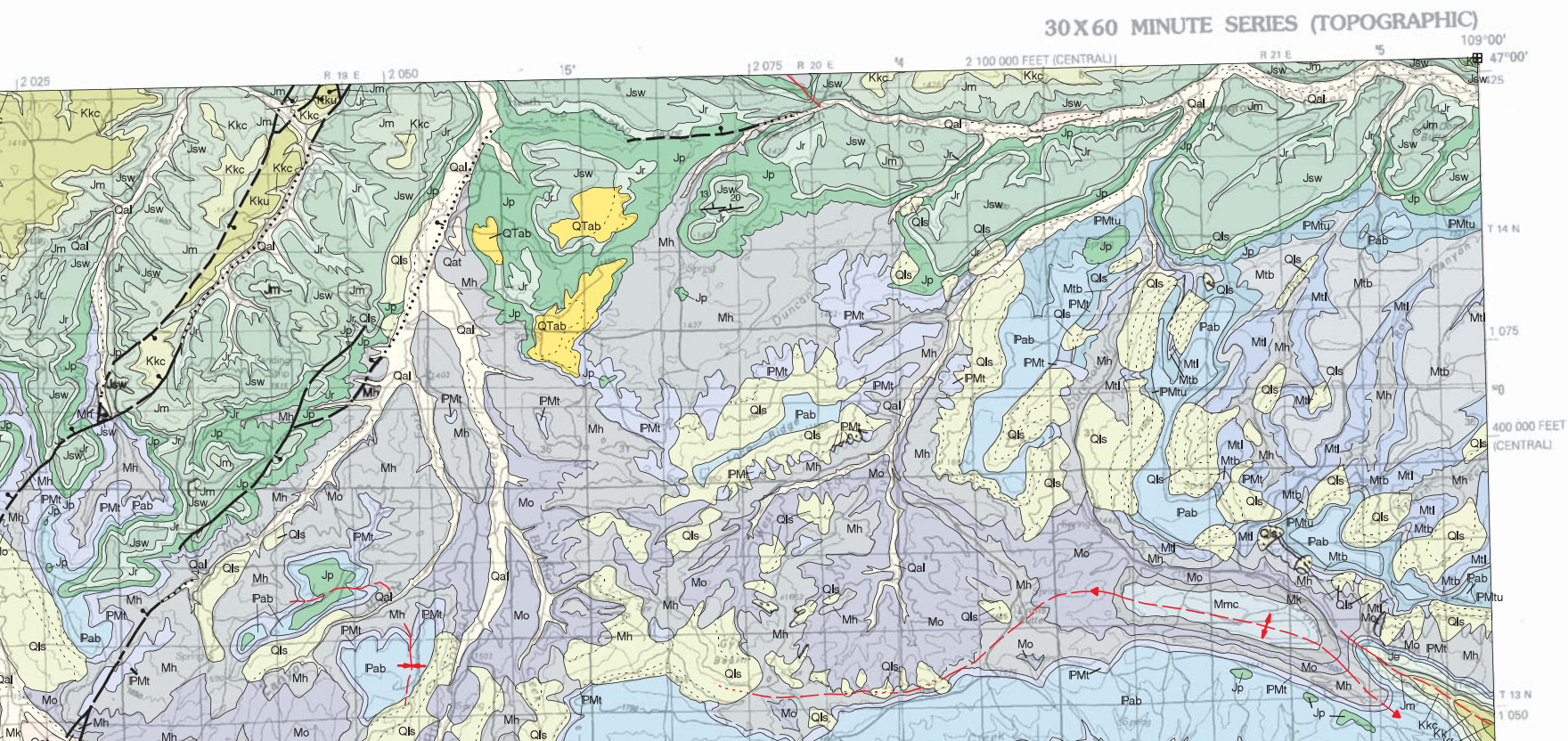
Note— This map was originally published at a scale of 1:100,000 but the page sizes have been modified to fit average printer capabilities (8½ x 14; legal size paper). There is a an eighth inch overlap on these pages. A full sized colored print of this map can be ordered from the **MBMG Publication Sales Office, 1300 West Park Street, Butte, MT, 59701-8997**.

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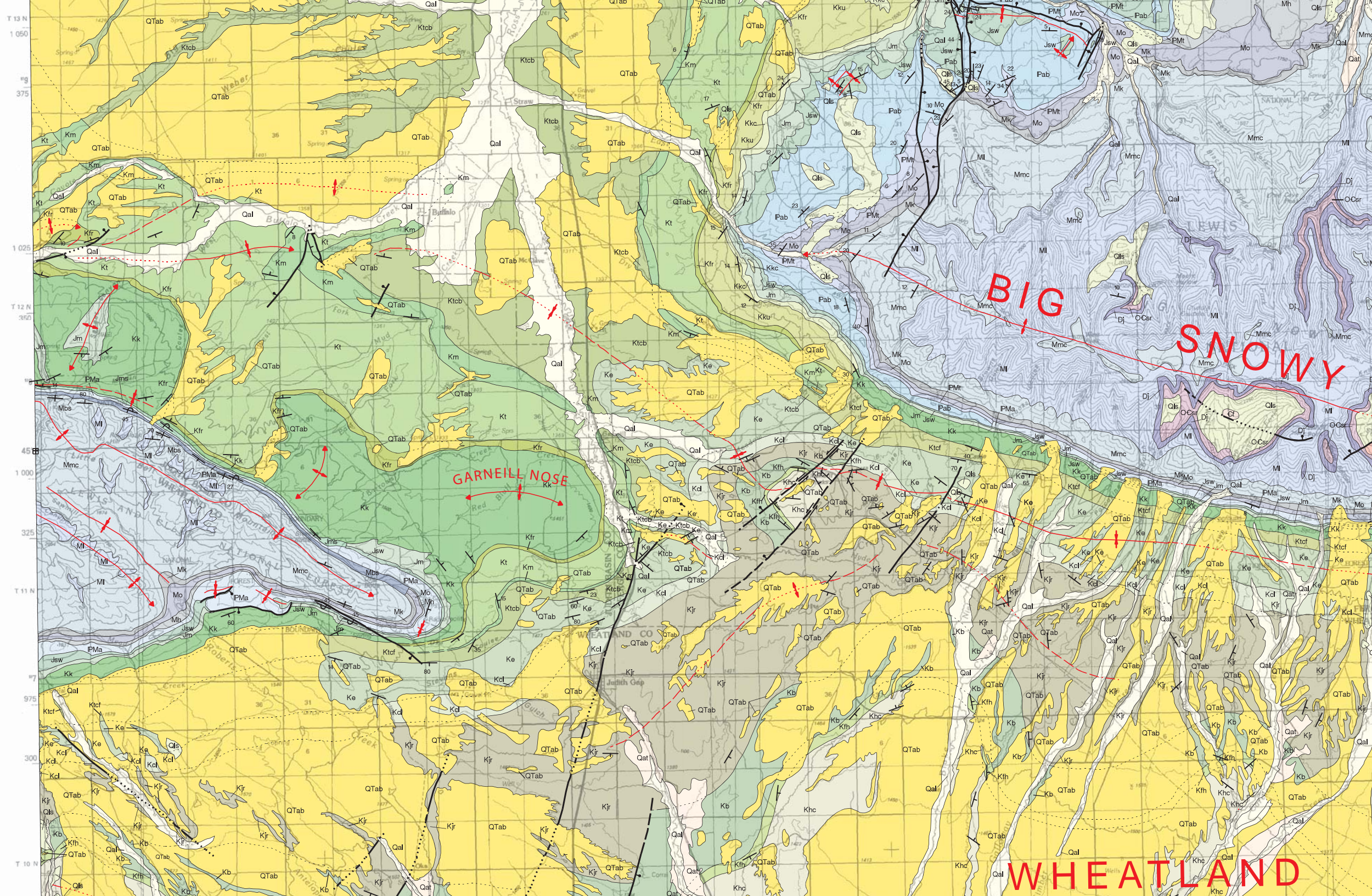
This is a detailed topographic map of the Big Snowy Mountains region in Montana. The map features a grid with coordinates and elevations. Key geographical features include the Judith River, Judith Lake, and several smaller lakes and streams. The terrain is characterized by steep slopes and valleys, with numerous contour lines indicating elevation. The map is labeled with various place names and geographical features, including Big Snowy Mountains, Judith River, Judith Lake, and several smaller lakes and streams. The map is color-coded to show different geological formations and elevations, with yellow and green tones dominating the landscape. The map is oriented with North at the top, and the title 'BIG SNOWY MOUNTAINS, MONTANA' is prominently displayed at the top center.

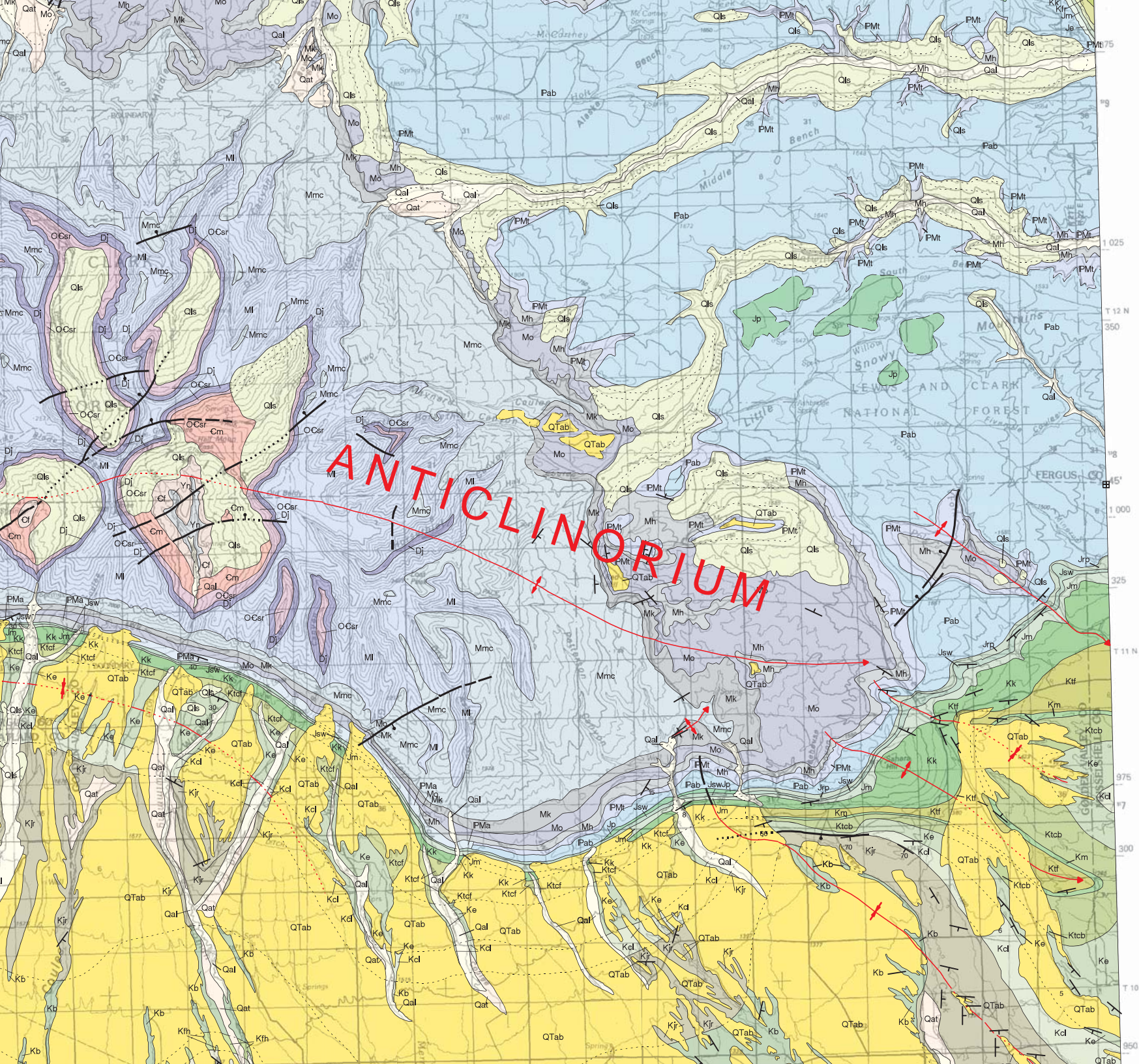
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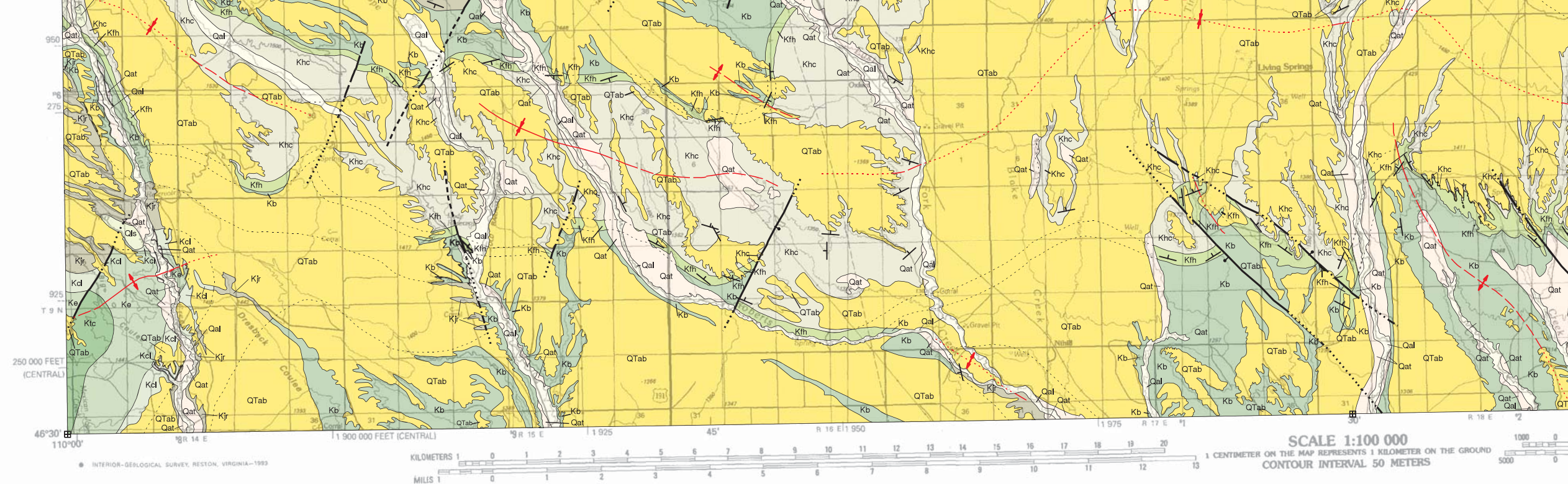
MAP UNITS

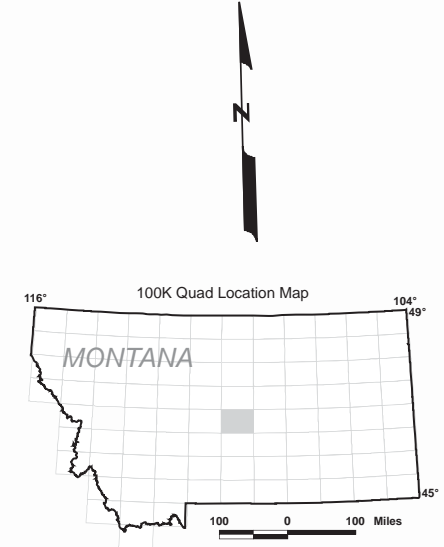
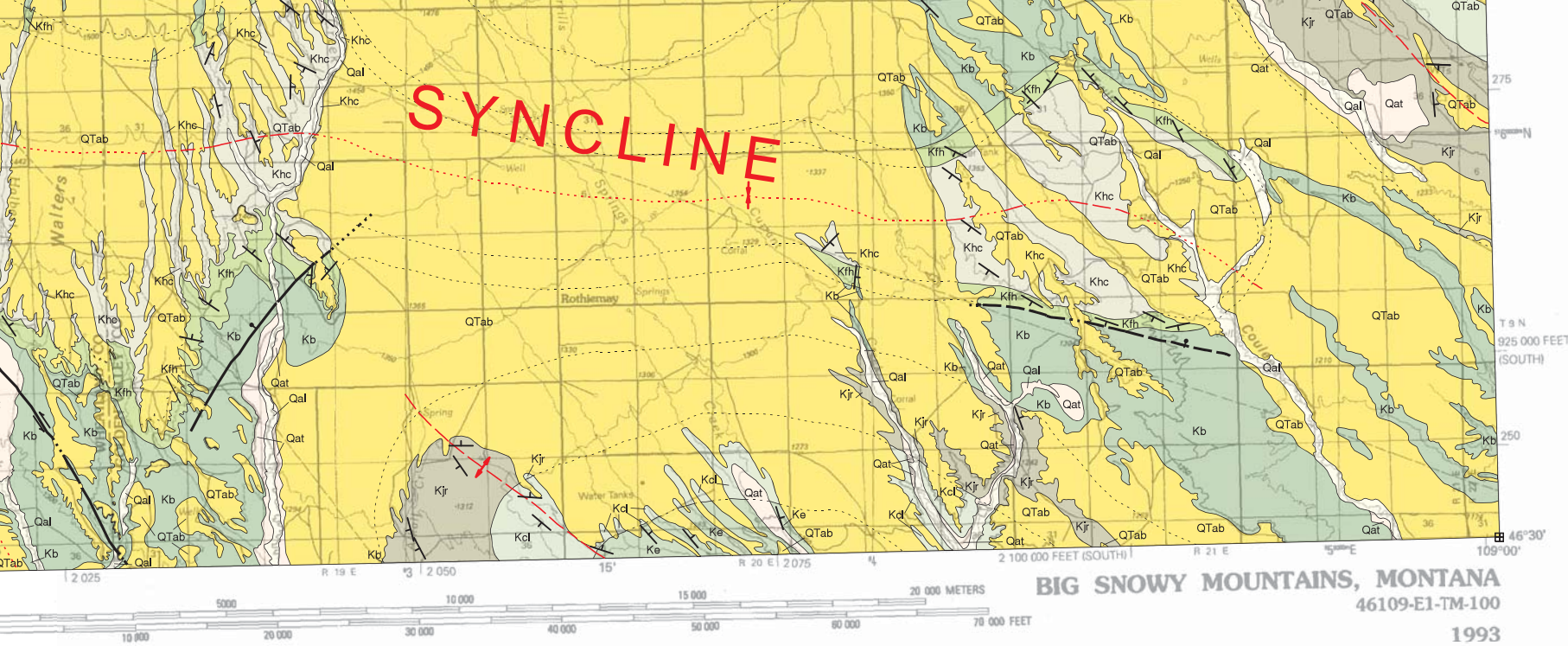
Qal	Alluvium of modern channels and flood plains
Qao	Alluvium, older, undivided
Qls	Landslide deposit
Qat	Alluvium of alluvial terrace
QTab	Alluvium of broad plains
Khc	Hell Creek Formation
Kth	Fox Hills Formation
Kb	Bearpaw Shale
Kjr	Judith River Formation
Kcl	Claggett Shale
Ke	Eagle Formation
Ktc	Telegraph Creek Formation
Ktcm	Telegraph Creek and Markas River Formations, undivided
Ktcb	Telegraph Creek through Belle Fourche Formations, undivided
Ktcf	Telegraph Creek through Fall River Formations, undivided
Km	Mowry Shale
Kt	Thermopolis Formation





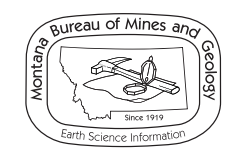
- Kt Thermopolis Formation
- Ktr Thermopolis and Fall River Formations, undivided
- Kfr Fall River Formation
- Kk Kootenai Formation
- Kku Upper member, Informal, of Kootenai Fm.
- Kkc Cutbank Sandstone Member of Kootenai Formation
- Jm Morrison Formation
- Jms Morrison Formation and Swift Formation, undivided
- Je Ellis Group, undivided
- Jsw Swift Formation
- Jr Rierdon Formation
- Jp Piper Formation
- Jrp Rierdon and Piper Formations, undivided
- Pab Alaska Bench Formation
- Pma Amsden Formation
- PMt Tyler Formation
- PMtu Upper member, informal, Tyler Formation
- Mtb Bear Gulch Limestone Member of Tyler Formation
- Mtl Lower member, informal, of Tyler Formation
- Mbs Big Snowy Group, undivided or Big Snowy Formation
- Mh Heath Formation
- Mo Otter Formation
- Mk Kibbey Formation
- Mmc Mission Canyon Limestone
- MI Lodgepole Limestone
- Dj Jefferson Formation
- OCsr Snowy Range Formation
- Cm Meagher Limestone
- Cf Flathead Formation
- Yn Newland Formation





Quad index

BELT	LEWISTOWN	WINNETT
WHITE SULPHUR SPRINGS	BIG SNOWY MOUNTAINS	MUSSEL-SHELL
RINGLING	HARLOWTON	ROUNDUP



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