

Montana Bureau of Mines and Geology
Open File No. 467

Geologic and Structure Contour Map
of the Havre 30' x 60' Quadrangle,
Northern-Central Montana

Mark A. Sholes and Robert N. Bergantino

2002

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

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

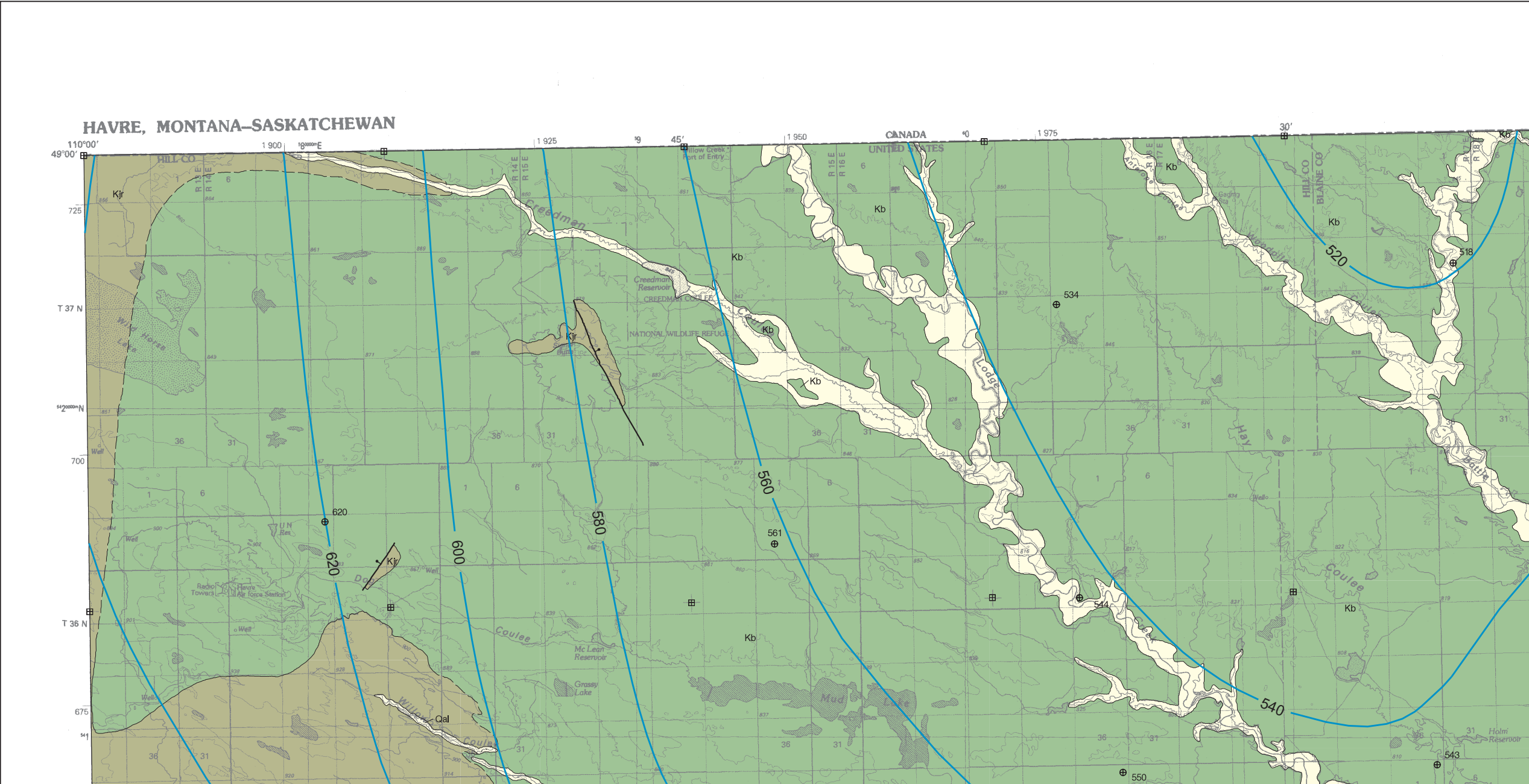
[Digital data link](#)

Note— This map was originally published at a scale of 1;100,000 but the page sizes have been modified to fit the 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.**

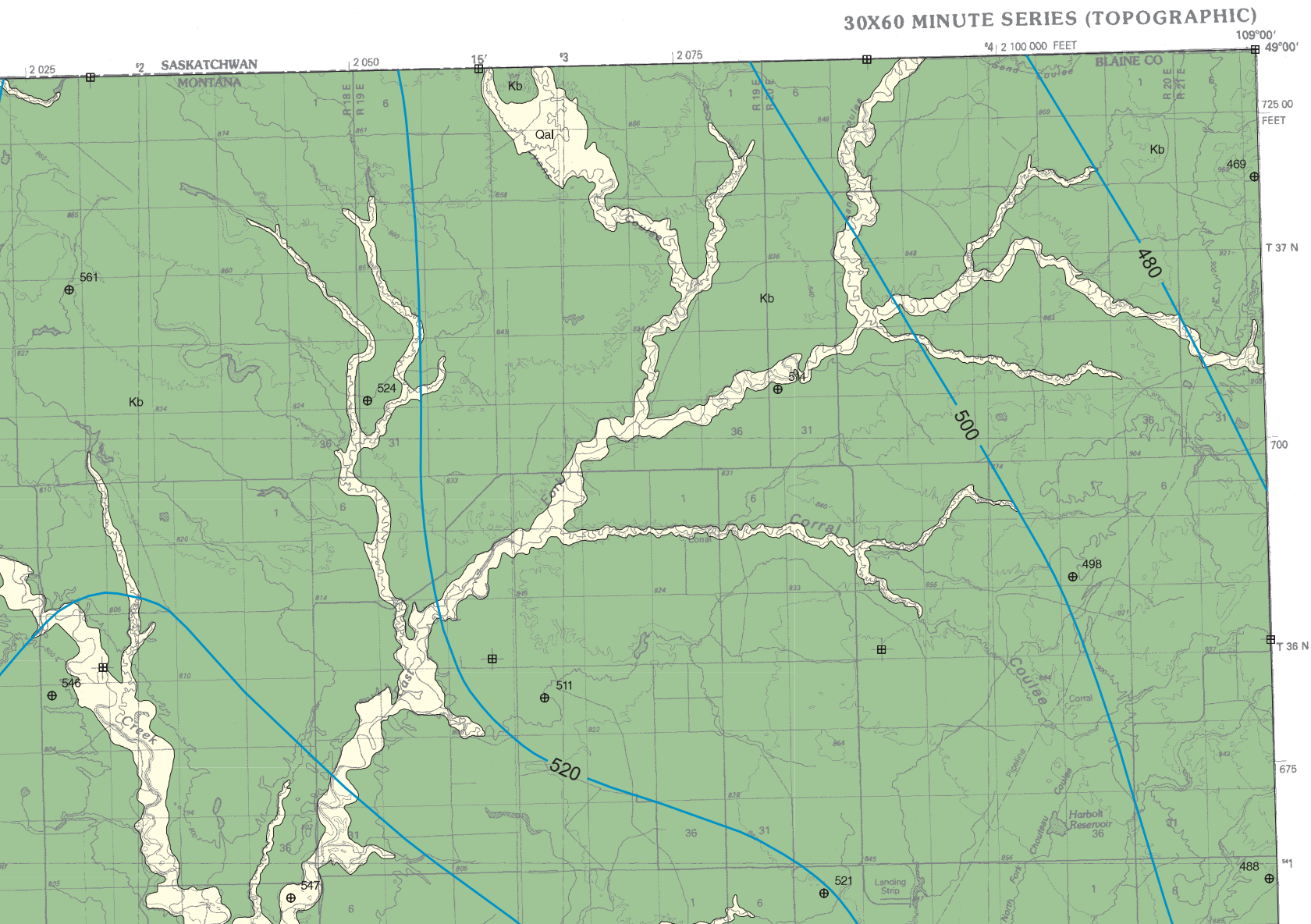
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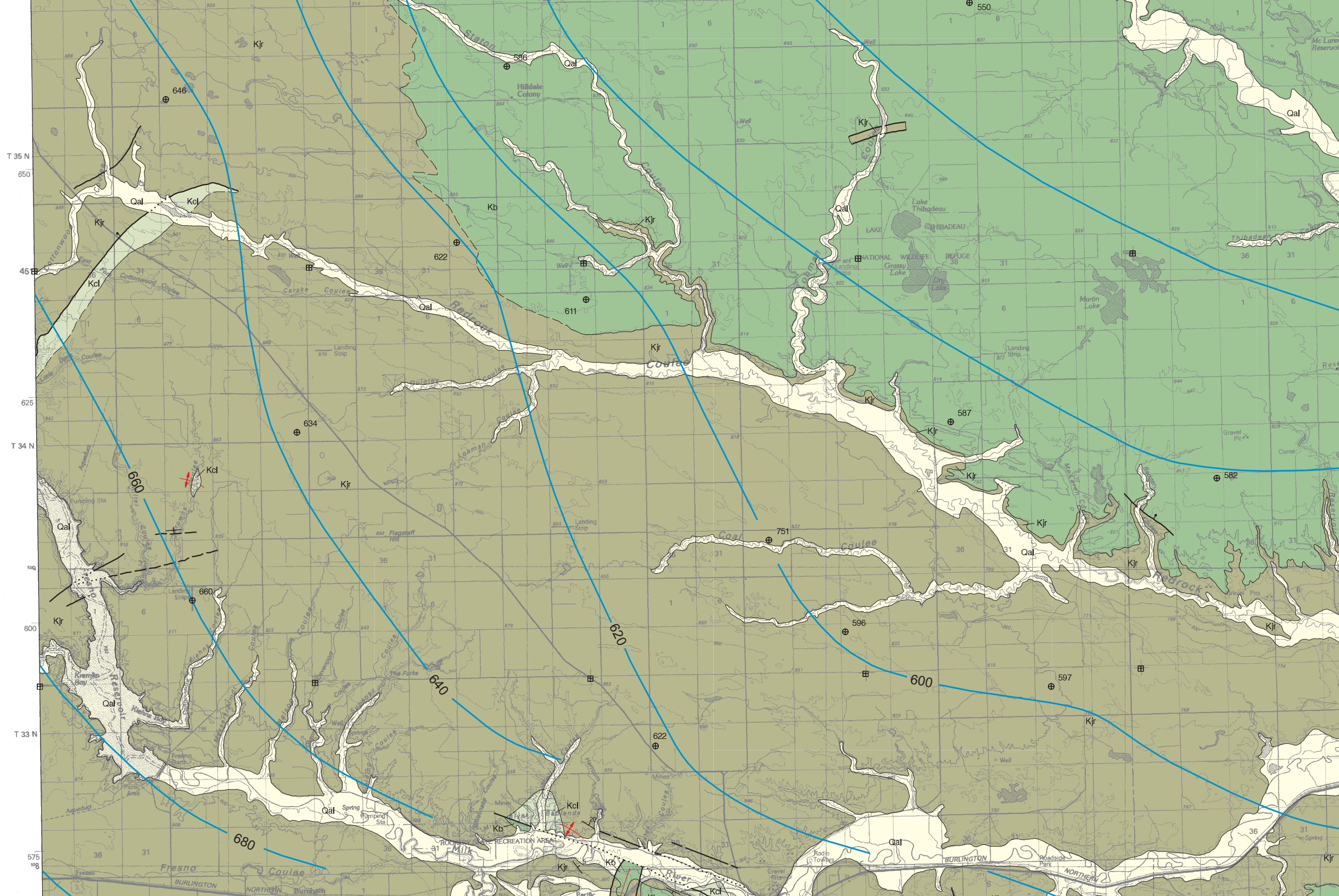
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Geologic and Structure Contour Map, Havre 30'x60' Quadrangle



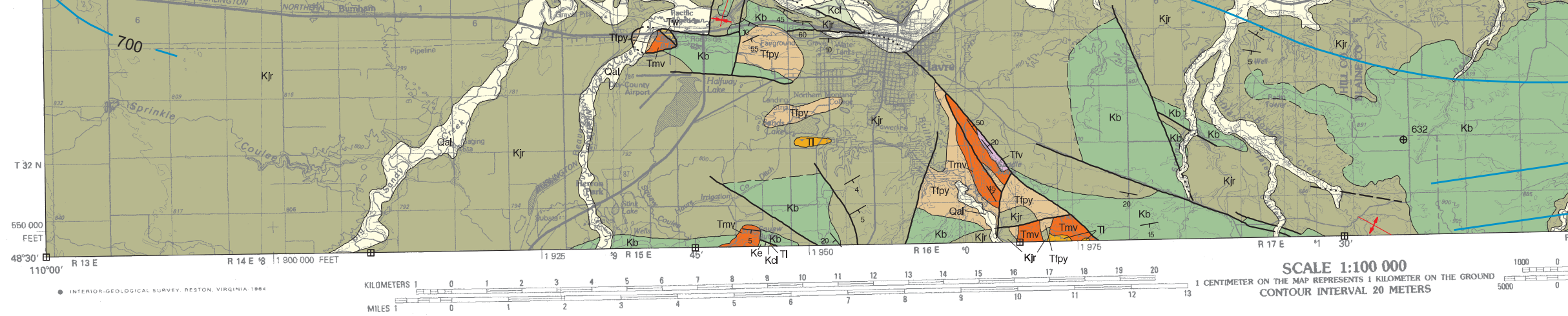
MONTANA BUREAU OF MINES AND GEOLOGY
A Department of Montana Tech of The University of Montana







T 35 N
650
45'
40
625
T 34 N
59
600
T 33 N
575
530000 N



Contours in meters on top of the Upper Cretaceous Claggett Shale

Contour interval: 20 meters
Datum: mean sea level

700 Claggett shale—Kcl (meters)

⊕ 740 Well control point

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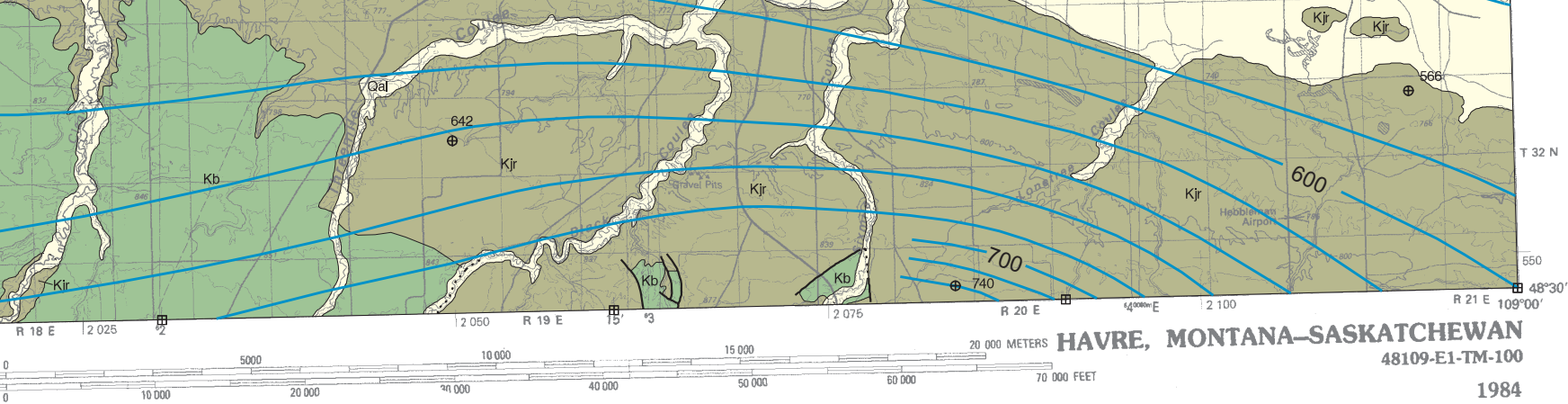
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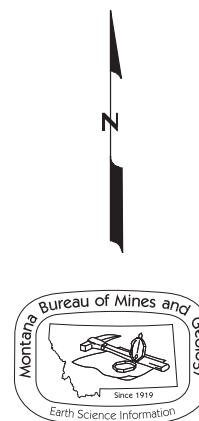
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GIS production: Ken Sandau and Paul Thale, MBMG. Map layout: Susan Smith, MBMG.



MAP UNITS

Qal	Alluvium of modern channels and flood plains
Tfv	Felsic volcanic rocks
Tl	Latite and porphyritic latite
Tmv	Mafic volcanic rocks
Tfpy	Felsic pyroclastic rocks
Tw	Wasatch Formation
Kb	Bearpaw Shale
Kjr	Judith River Formation
Kcl	Claggett Shale
Ke	Eagle Formation



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