## Montana Bureau of Mines and Geology Open File No. 438

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

Karen W. Porter and Edith M. Wilde

2001

(map and text revised 11/2011)

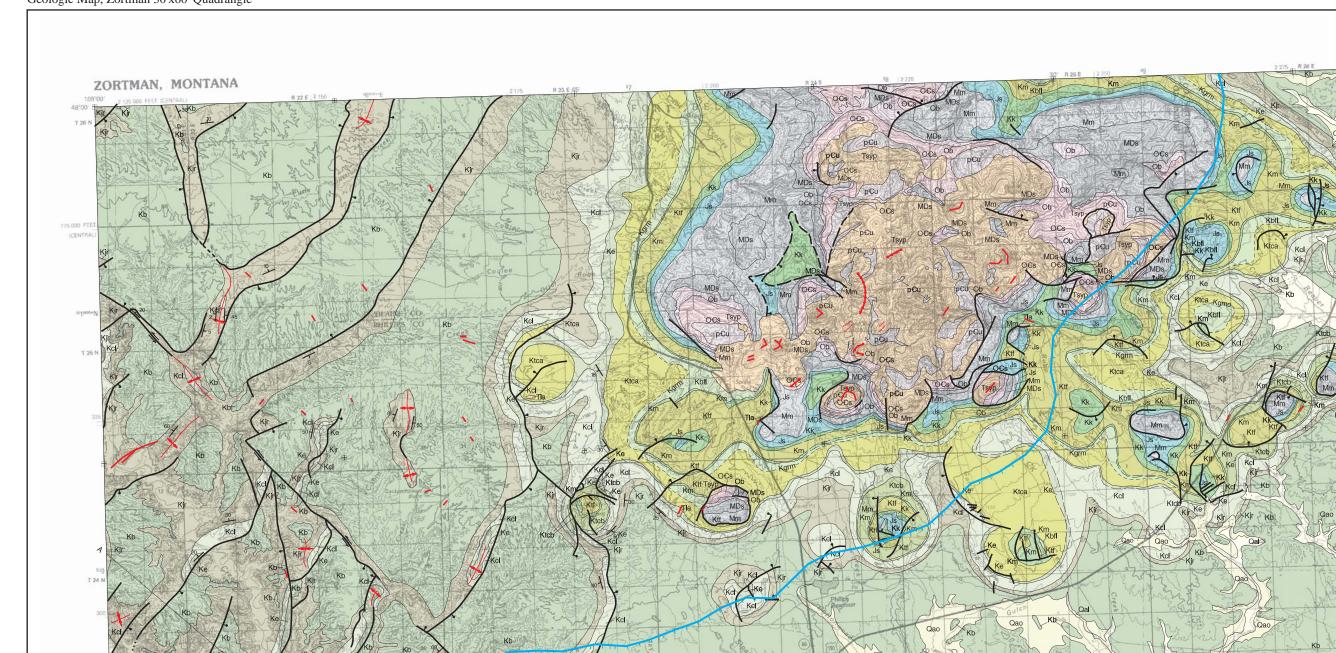
To view a full scale version of this map, click here.

For the text files with the map information, click here.

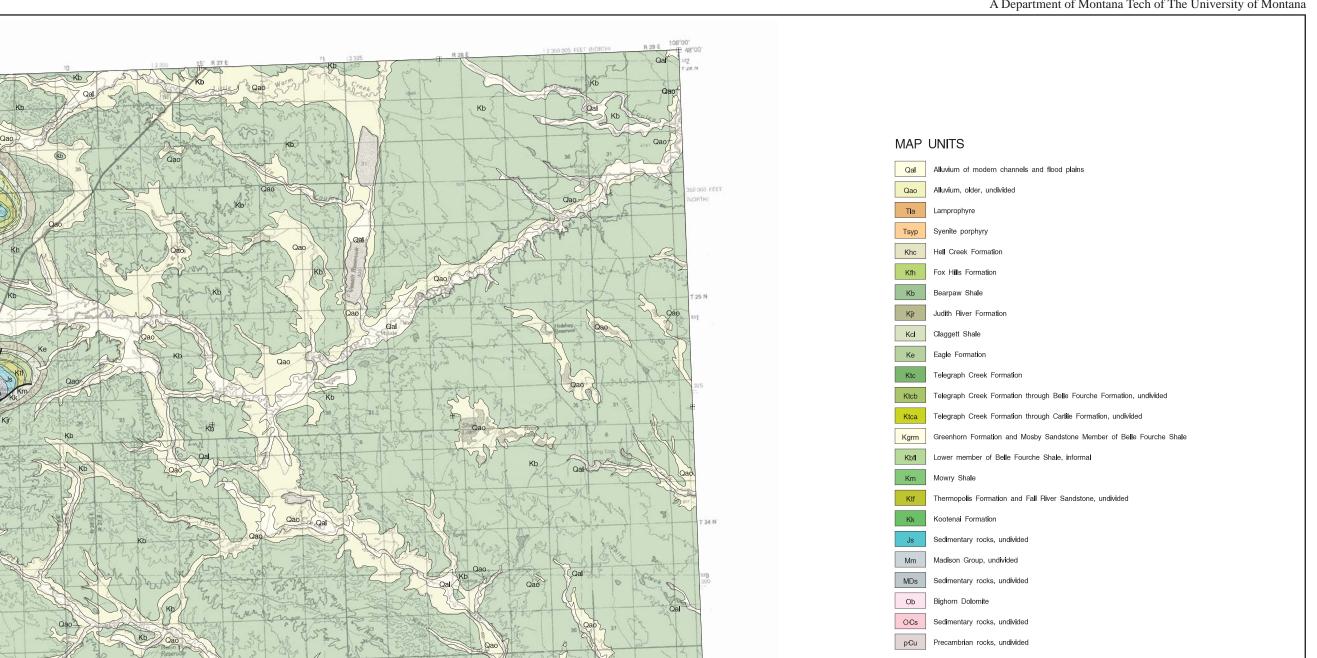
Digital data link

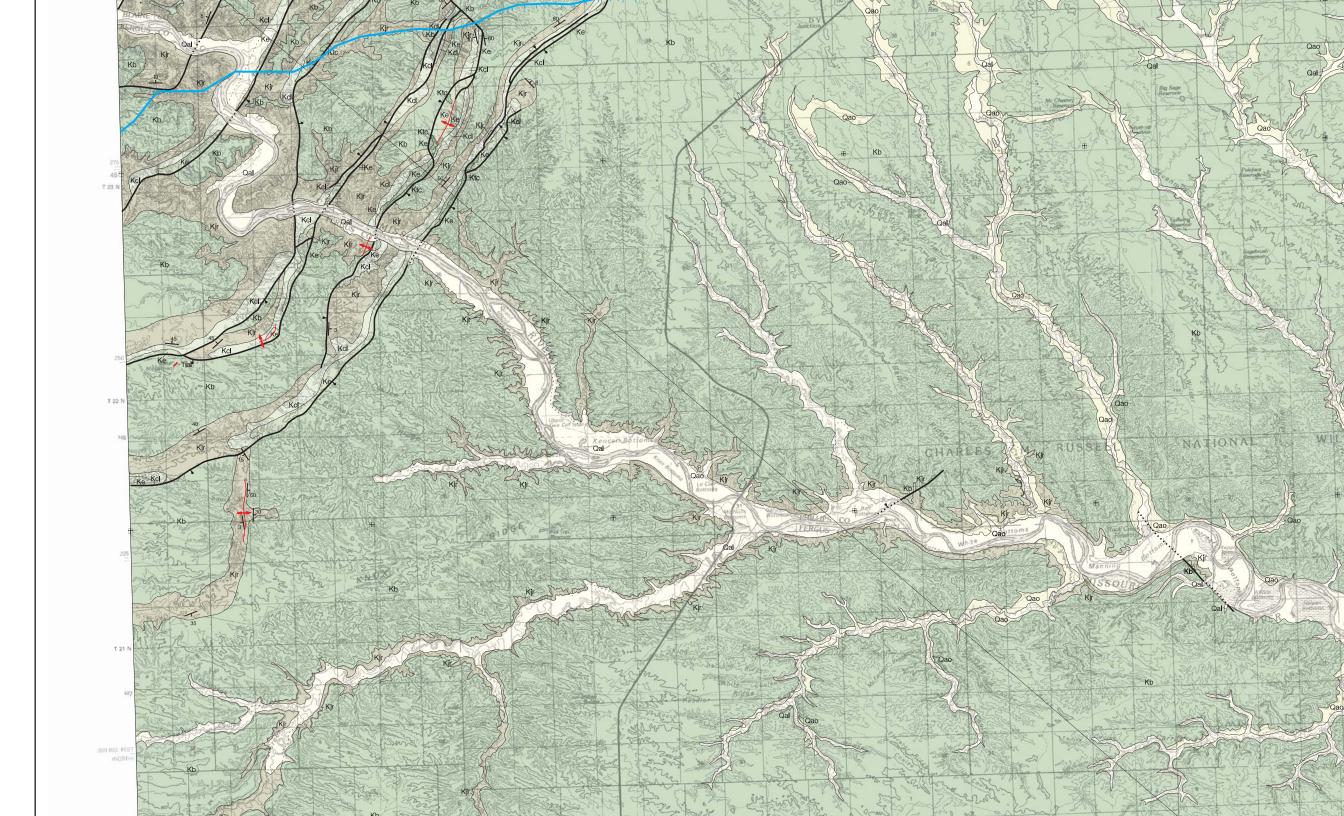
Note— This map was originally published at a scale of 1;100,000 but the page sizes have been modified to fit average printer capabilities (8½ x 14; legal size paper). There is an eighth inch overlap on these pages. A full sized colored print of this map can be ordered from the MBMG Publication Sales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

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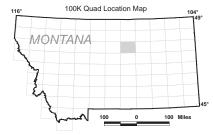


Extent of glaciation



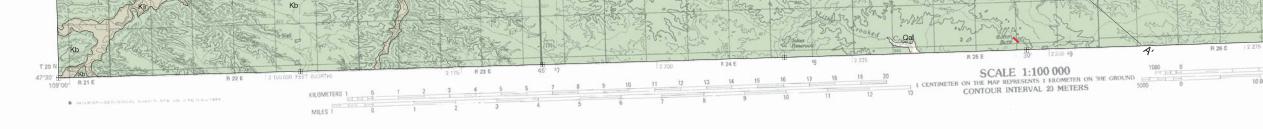
Partial support has been provided by the STATEMAP component of the National Cooperative Geologic Mapping Program of the U.S.Geological Survey under Contract Number 01-HQ-AG-0096

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



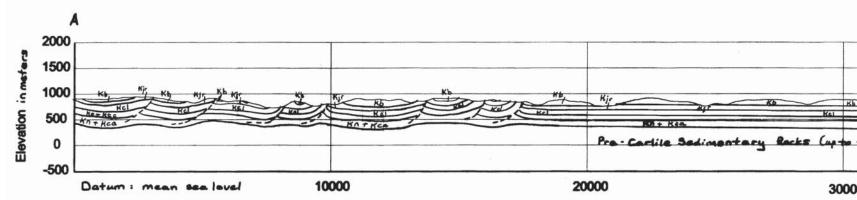
#### Quad index

ROCKY BOY	DODSON	MALTA
WINIFRED	ZORTMAN	FORT PECK LAKE WEST
LEMMOTOWN	MANAMETT	SAND



## **Zortman Cross**

Vertical exagg



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Distance in

70 12 300 R 27 E 15 7) 0000mE 12 325 R 28 E 2 350 000 FEET ICENTRALL 2 R 29 E 108'00'

20 000 METERS 2000 FEET ICENTRALL 2 R 29 E 108'00'

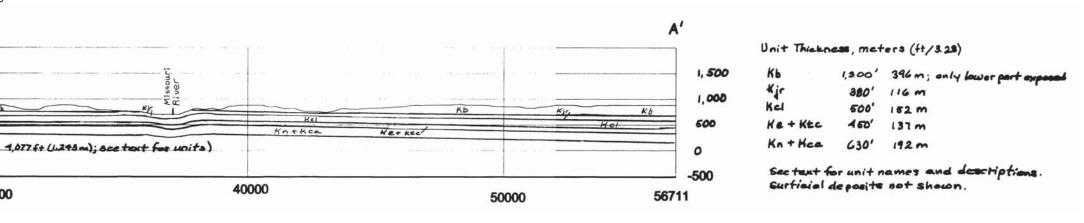
47108-E1-TM-100

5000 10 000 70 000 FEET 1 1984

LEWISTOWN WINNETT SAND SPRINGS

### s Section A-A'

geration x 2.0



in meters



Maps may be obtained from Publications Office Montana Bureau of Mines and Geology 1300 West Park Street, Butte, Montana 59701-8997 Phone: (406) 496-4167 Fax: (406) 496-4451 http://www.mbmg.mtech.edu