

Montana Bureau of Mines and Geology  
Open File No. 372

Geologic Map of the Eastern Part  
Leadore 30' x 60' Quadrangle,  
Montana and Idaho

Edward T. Ruppel

1998 1:50,000 #1 " 5/8"

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

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

[Digital data link](#)

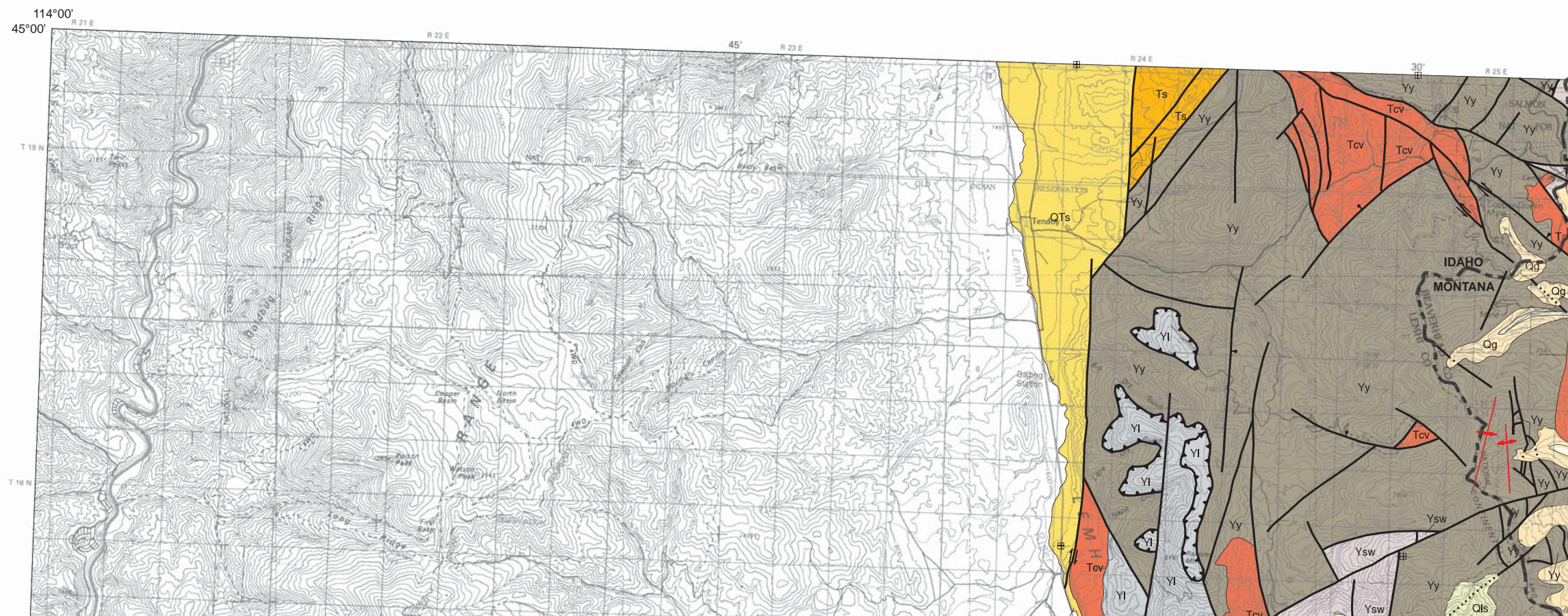
Note— This map was originally published at a scale of 1:100,000 but the page sizes have been modified to fit average printer capabilities (8½ x 14; legal size paper). There is a an eighth inch overlap on these pages. A full sized colored print of this map can be ordered from the **MBMG Publication Sales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

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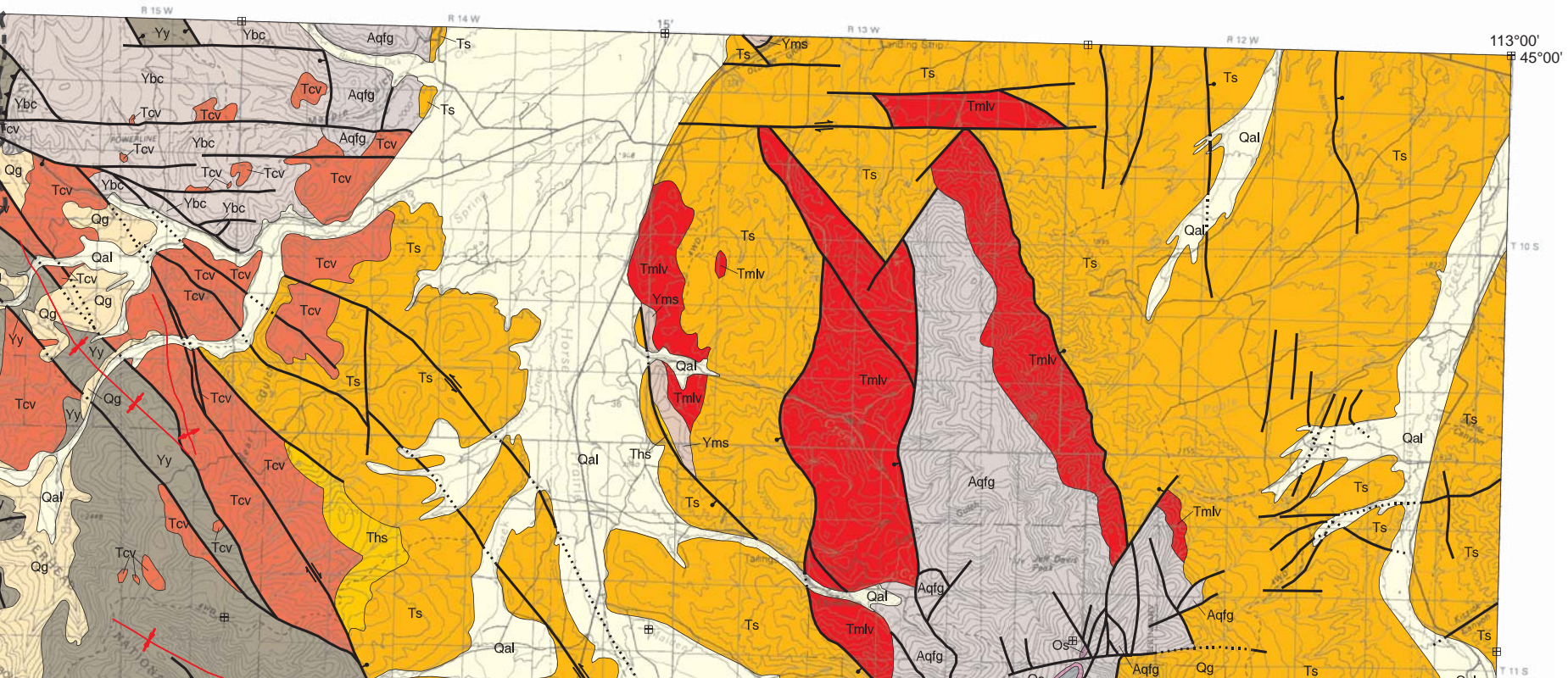
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Open File MBMG 372, Plate 1 of 1  
Geologic Map, Leadore 30'x60' Quadrangle







**MAP UNITS**

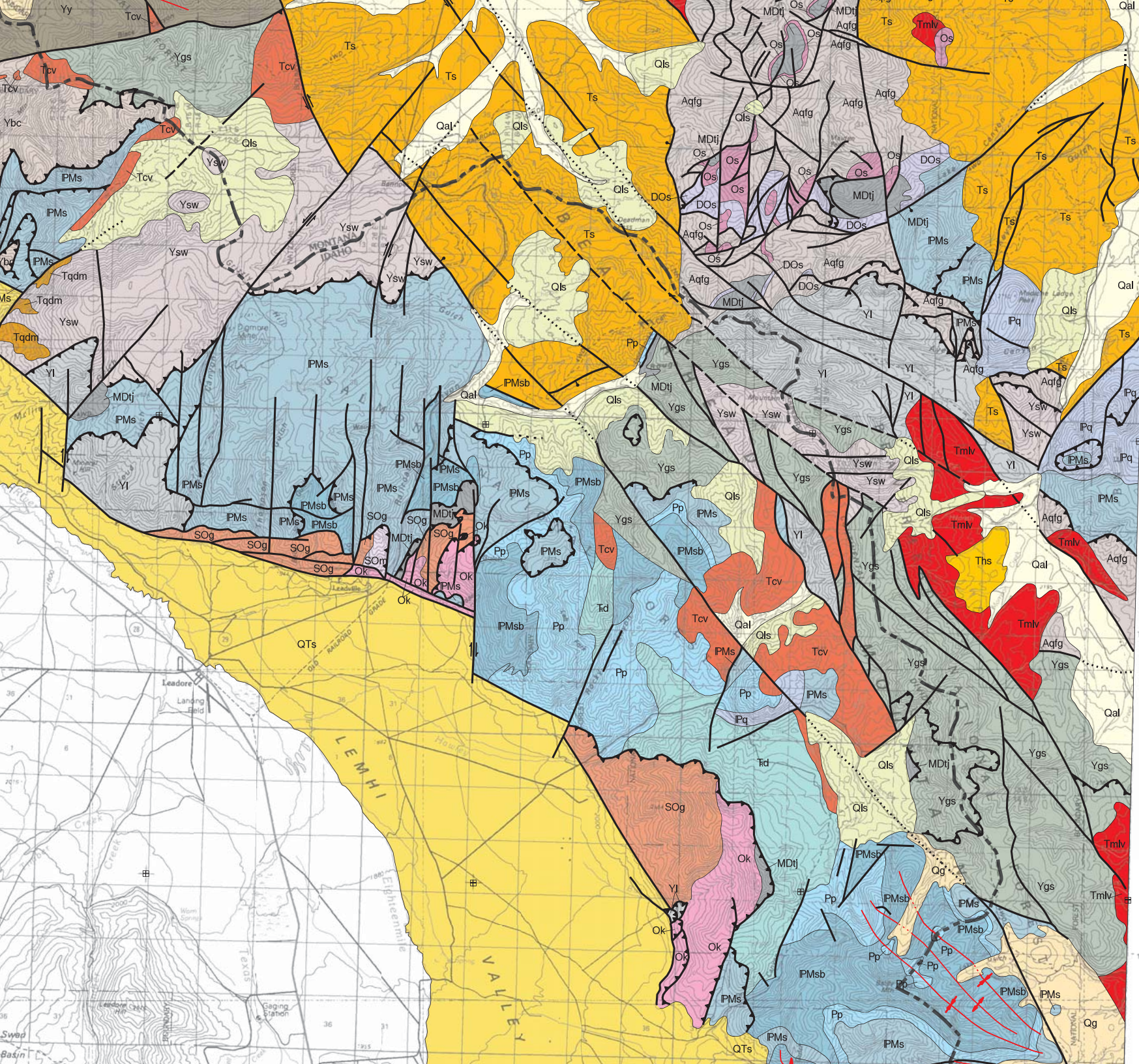
Qal	Alluvium of modern channels and flood plains
Qls	Landslide deposit
Qaf	Alluvial fan deposit
Qg	Glacial deposit, undivided
QTs	Sediment, undivided
Ts	Sediment or sedimentary rocks, undivided
Ths	Hot springs deposit
Tcv	Challis Volcanics Group
Tmlv	Medicine Lodge Volcanics
Tqdm	Quartz diorite and quartz monzonite
Td	Dinwoody Formation
Pp	Phosphoria Formation
Pq	Quadrant Formation
PMSb	Snaky Canyon and Bluebird Mountain Formations, undivided
PMs	Sedimentary rocks, undivided
MDJ	Three Forks and Jefferson Formations, undivided
DCC	Sedimentary rocks, undivided



# IDAHO












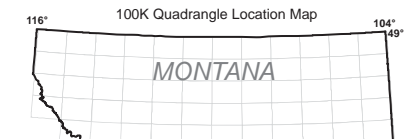


- DOs Sedimentary rocks, undivided
- SOM Saturday Mountain Formation
- SOg Granite
- Os Sedimentary rocks, undivided
- Ok Kinnikinic Quartzite
- Ysw Swauger Formation
- Yms Mount Shields Formation
- Yl Lemhi Group
- Ygs Gunsight Formation of Lemhi Group
- Ybc Big Creek Formation of Lemhi Group
- Yy Yellowjacket Formation
- Aqfg Quartzofeldspathic gneiss

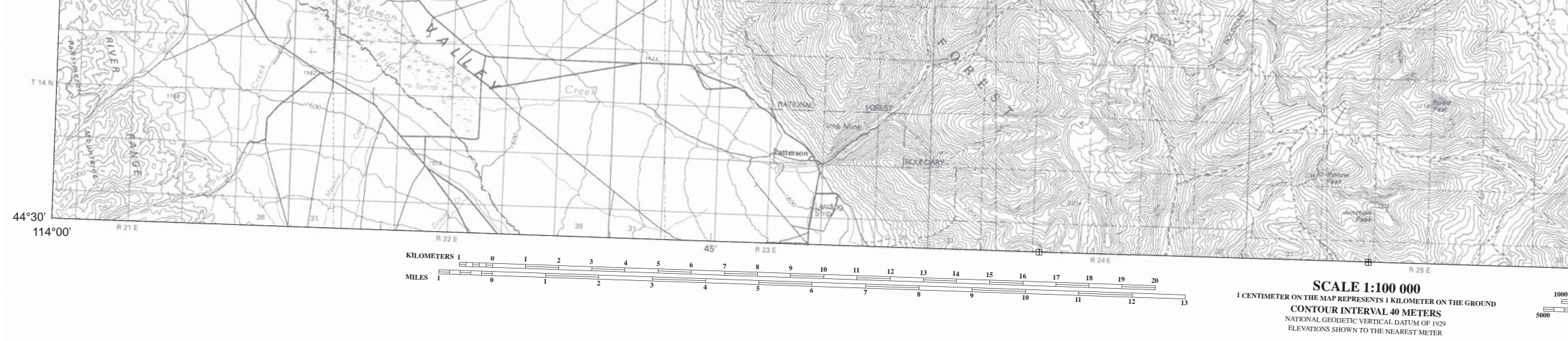
For a more detailed description of the map units and symbols, please refer to the text accompanying this map.

### MAP SYMBOLS

-  Contact: dotted where concealed
-  Fault: ball and bar on downthrown side; dotted where concealed
-  Strike-slip fault: arrows indicate direction of relative lateral movement; dotted where concealed
-  Thrust fault: sawteeth on upper plate; dotted where concealed
-  Anticlinal fold showing trace of axial plane; dotted where concealed
-  Synclinal fold showing trace of axial plane; dotted where concealed
-  Overturned synclinal fold showing trace of axial plane







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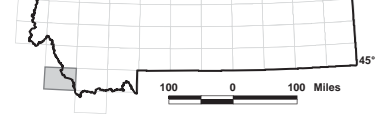
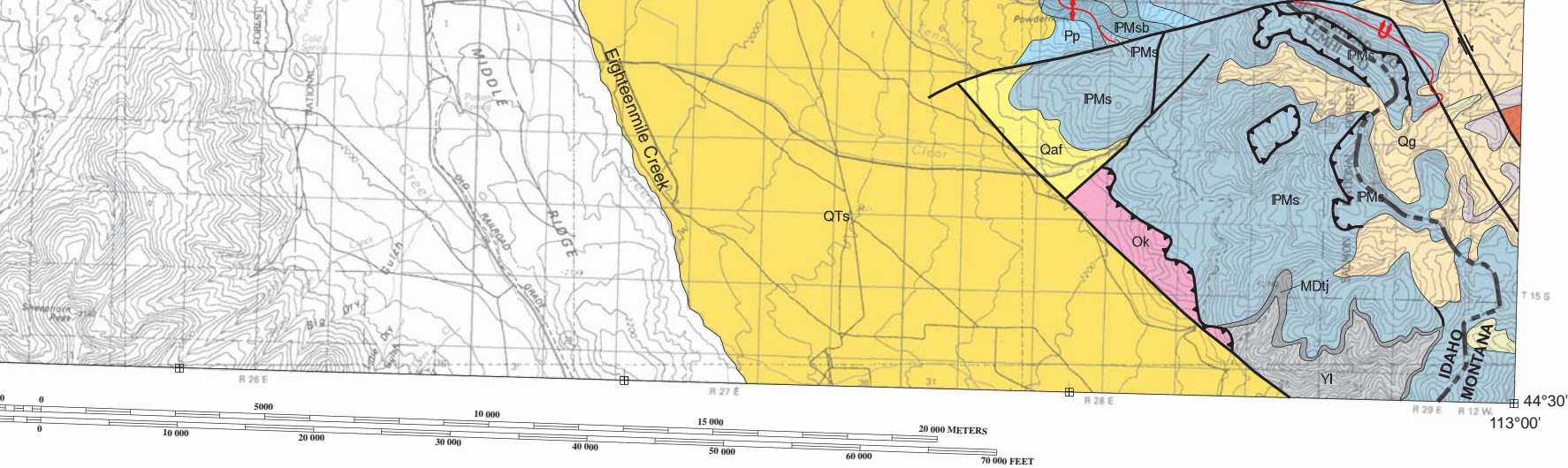
Edward T. Ruppel

1998 (Revised 2014)

Revised	Date
Text	1999
Map and text	2014

Partial support has been provided by the STATEMAP component of the National Mapping Program of the U.S. Geological Survey under Contract

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



30' x 60' Quadrangle index

BIGHORN CRAGS	SALMON	DILLON
CHALLIS	LEADORE	LIMA (MBMG 408)
WHITE CLOUD PEAKS	BORAH PEAK	DUBOIS (MBMG 490)

Base from U.S. Geological Survey  
 Leadore 30' x 60' topographic quadrangle  
 Map date: 1980  
 Projection: UTM zone 12; 1927 NAD  
 UTM grid declination 1°46' West  
 1980 Magnetic North Declination 18° East

ent of the National Cooperative Geologic  
 ct Number 1434-HQ-97-AG-01794.

out: Susan Smith, MBMG.



Maps may be obtained from:  
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