

List of Map Units

- |  |  |  |   |
|--|--|--|---|
|  | Qal -- Alluvial deposits (Holocene)  |  | Ypt -- Transition member  |
|  | Qs -- Landslide deposits (Holocene and Pleistocene)  |  | contact; dotted where concealed   |
|  | Qg -- Glacial and fluvioglacial deposits (Pleistocene)   |  | fault, unknown offset; dashed where approximately located, dotted where concealed |
|  | Tk -- Kishenehn Formation (Oligocene and Eocene)   |  | high-angle fault; dotted where concealed, ball and bar on downthrown side         |
|  | Ku -- Upper Cretaceous rocks, undivided  |  | thrust fault; dotted where concealed, teeth on upper plate                        |
|  | Kl -- Lower Cretaceous rocks, undivided  |  | anticline   |
|  | KJu -- Mount Pablo Formation (Lower Cretaceous), Morrison Formation (Upper Jurassic), and Ellis Group (Upper and Middle Jurassic), undivided |  | overturned anticline  |
|  | Mm -- Madison Group (Upper and Lower Mississippian)  |  | syncline  |
|  | Du -- Three Forks (Upper Devonian), Jefferson (Upper Devonian), and Maywood (Upper and Middle Devonian) Formations, undivided                |  | overturned syncline   |
|  | Cu -- Upper and Middle Cambrian rocks, undivided   |  | monoclinial fold  |
|  | ZYd -- Mafic sills and dikes (Late and Middle Proterozoic)   |  |   |
|  | Ygr -- Garnet Range Formation (Middle Proterozoic)   |  |   |
|  | Ym -- McNamara Formation (Middle Proterozoic)  |  |   |
|  | Ybo -- Bonner Quartzite (Middle Proterozoic)   |  |   |
|  | Yms -- Mount Shields Formation (Middle Proterozoic)  |  |   |
|  | Ysh -- Shepard Formation (Middle Proterozoic)  |  |   |
|  | Ysn -- Snowslip Formation (Middle Proterozoic)   |  |   |
|  | Yh -- Helena Formation (Middle Proterozoic)  |  |   |
|  | Ye -- Empire Formation (Middle Proterozoic)  |  |   |
|  | Ys -- Spokane Formation (Middle Proterozoic)   |  |   |
|  | Ygl -- Grinnell Formation (Middle Proterozoic)   |  |   |
|  | Yap -- Appakunny Formation (Middle Proterozoic)  |  |   |
|  | Prichard Formation (Middle Proterozoic)  |  |   |

Transverse Mercator Projection  
Datum = NAD27  
Spheroid = Clarke1866  
Scale factor at central meridian = 1  
Longitude of central meridian = -113 0 0  
Latitude of projections origin = 0 0 0  
False easting = 0  
False northing = 0

Geology compiled by J.E. Harrison, J.W. Whipple, and D.J. Lidke (1998). Digital representation by H.Z. Kayser (Information Systems Support, Inc.) and R.J. Miller (USGS) in cooperation with the Montana Bureau of Mines and Geology (2000-2001).

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Spatial Digital Database of Selected Data from the Geologic Map of the Western

Part of the Cut Bank 1° x 2° Quadrangle, Northwestern Montana

by Jack E. Harrison, James W. Whipple, David J. Lidke, Helen Z. Kayser and Robert J. Miller

2002

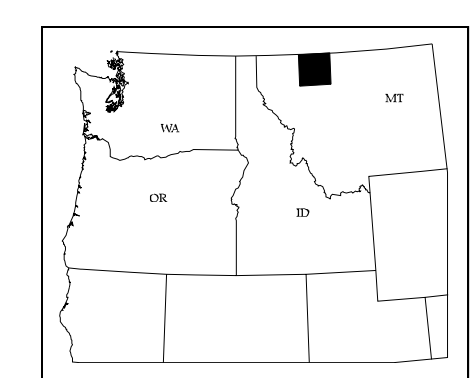
(map originally published in 1998)

Scale 1:250000



References

Harrison, J.E., Whipple, J.W., and Lidke, D.J., 1998, Geologic map of the western part of the Cut Bank 1° x 2° quadrangle, northwestern Montana; U.S. Geological Survey Geologic Investigations Series Map I-2593.



Index map showing map area

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Digital files are available on the World Wide Web at <http://geopubs.wr.usgs.gov/open-file-i-map/2593>

The digital database is not meant to be used or displayed at any scale larger than 1:250,000 (e.g., 1:100,000 or 1:24,000).