

**Description of Geologic Units**  
 (Also see text)

- Qal Alluvial deposits
- Qct Colluvium and talus deposits
- Qls Landslide and earthflow deposits
- Qaty Alluvial deposits of younger terraces, undivided
- Qatr Alluvial deposits of the Riverside Terrace
- Qath Alluvial deposits of the Hamilton Terrace
- Qafy Alluvial fan deposits, younger
- Qbfy Debris flow deposits, younger
- Qato Alluvial deposits of older terraces
- Qafo Alluvial fan deposits, older
- Qbfo Debris flow deposits, older
- Qgt Glacial till
- Taf Alluvial fan deposits
- Tas Silt-dominated alluvial fan deposits
- Tab Debris flow deposits
- Tbg Ancestral Bitterroot River gravel
- Tbc Ancestral Bitterroot River clay
- Tbb Ancestral Bitterroot River boulder gravel
- Tss Silt and sand
- Tv Volcanic rocks, undivided
- TYb Bedrock, undivided

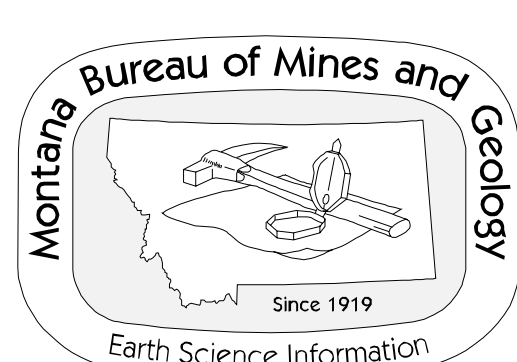
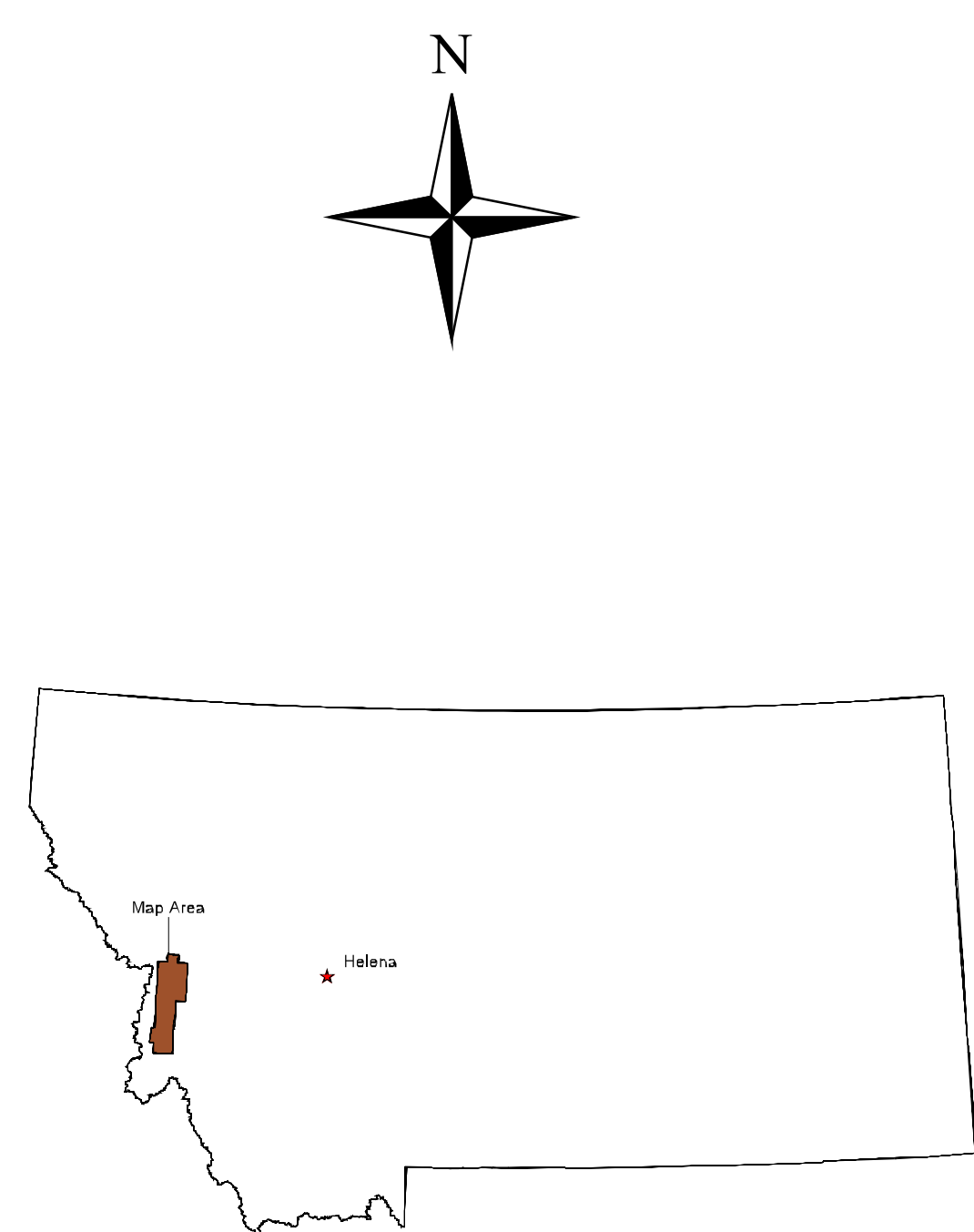
**Map Symbols**  
 (Also see text)

- Geologic Lines**
- Contacts
  - - - Normal fault; dotted where concealed; ball and bar on downthrown side
  - - - Lineaments apparent on aerial photos



This map is available in three forms:  
 (a) 1:100,000 scale geologic data on topographic base with 50-meter contours;  
 (b) 1:100,000 scale geologic data with shaded relief; no elevation control;  
 (c) 1:48,000 scale geologic data with shaded relief; no elevation control.

Geologic data also available electronically.



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 or (406) 496-4174  
 Fax: (406) 496-4451  
<http://www.mbg.mtech.edu>

**Surficial Geologic Map of the Bitterroot Valley, Montana**

by Jeffrey D. Lonn and James W. Sears  
 Scale 1:100,000  
 2001

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