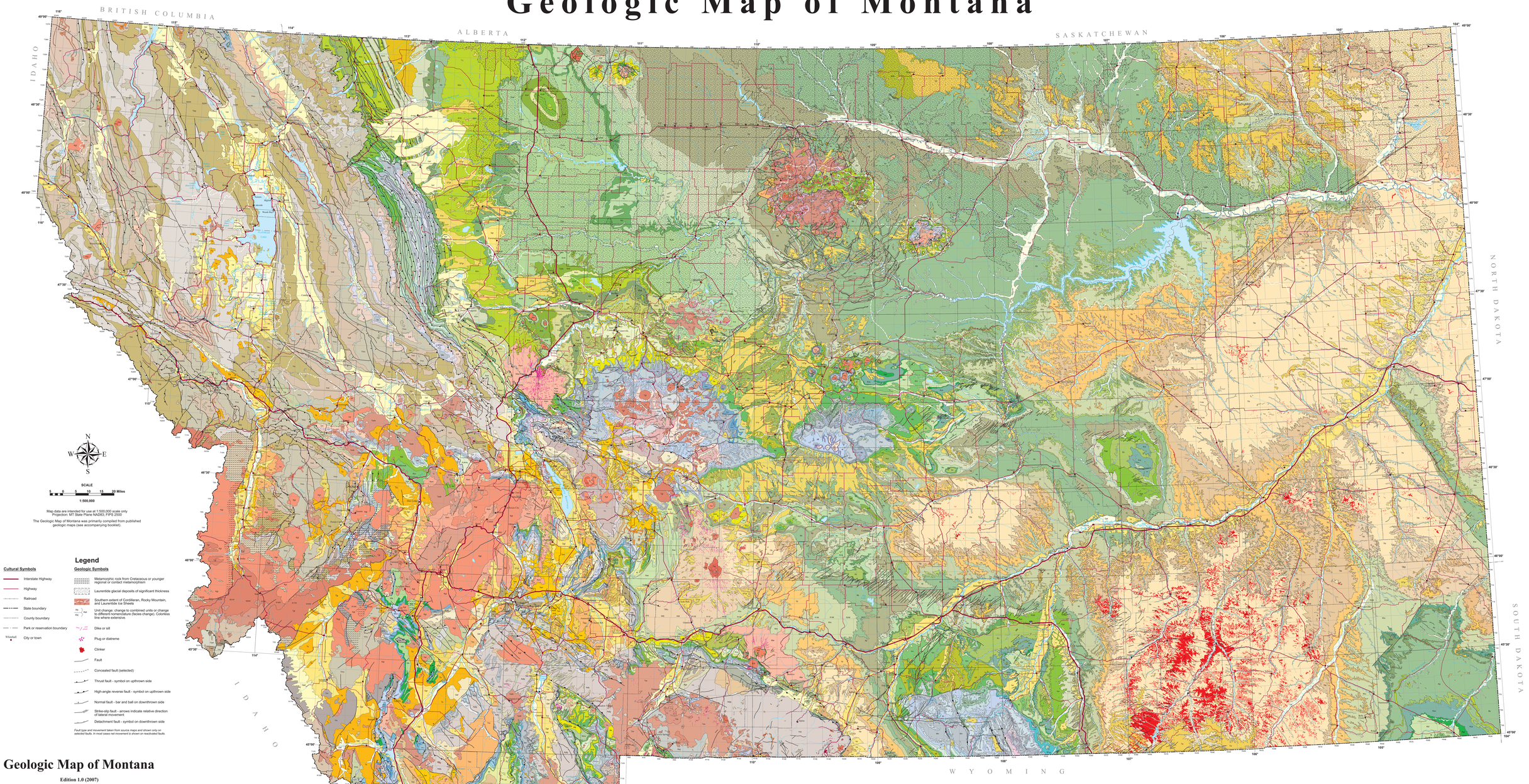
Geologic Map of Montana



N
W E
S

SCALE
5 0 5 10 15 20 Miles
1:500,000

Map data are intended for use at 1:500,000 scale only
Projection: MT State Plane NAD83, FIPS 2500

The Geologic Map of Montana was primarily compiled from published geologic maps (see accompanying booklet).

Legend

Cultural Symbols

- Interstate Highway
- Highway
- Railroad
- State boundary
- County boundary
- Park or reservation boundary
- Whitehall — City or town

Geologic Symbols

- Metamorphic rock from Cretaceous or younger regional or contact metamorphism
- Laurentide glacial deposits of significant thickness
- Southern extent of Cordilleran, Rocky Mountain, and Laurentide Ice Sheets
- Unit change: change to combined units or change to different nomenclature (facies change). Colorless line where extensive.
- Dike or sill
- Plug or diatreme
- Clinker
- Fault
- Concealed fault (selected)
- Thrust fault - symbol on upthrown side
- High-angle reverse fault - symbol on upthrown side
- Normal fault - bar and ball on downthrown side
- Strike-slip fault - arrows indicate relative direction of lateral movement
- Detachment fault - symbol on downthrown side

Fault type and movement taken from source maps and shown only on selected faults. In most cases net movement is shown on reactivated faults.

Geologic Map of Montana

Edition 1.0 (2007)

Montana Bureau of Mines and Geology
Geologic Map 62

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Maps may be obtained from:
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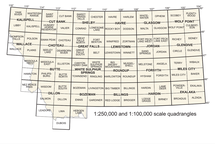
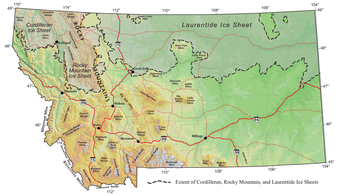
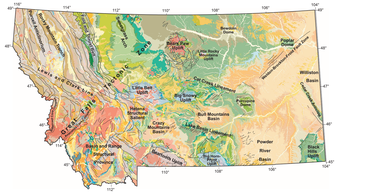


1:250,000 and 1:100,000 scale quadrangles



Extent of Cordilleran, Rocky Mountain, and Laurentide Ice Sheets

PHYSIOGRAPHIC FEATURES


Sweetgrass Arch
Bowdoin Dome
Sweetgrass Arch
Sweetgrass Arch
Sweetgrass Arch