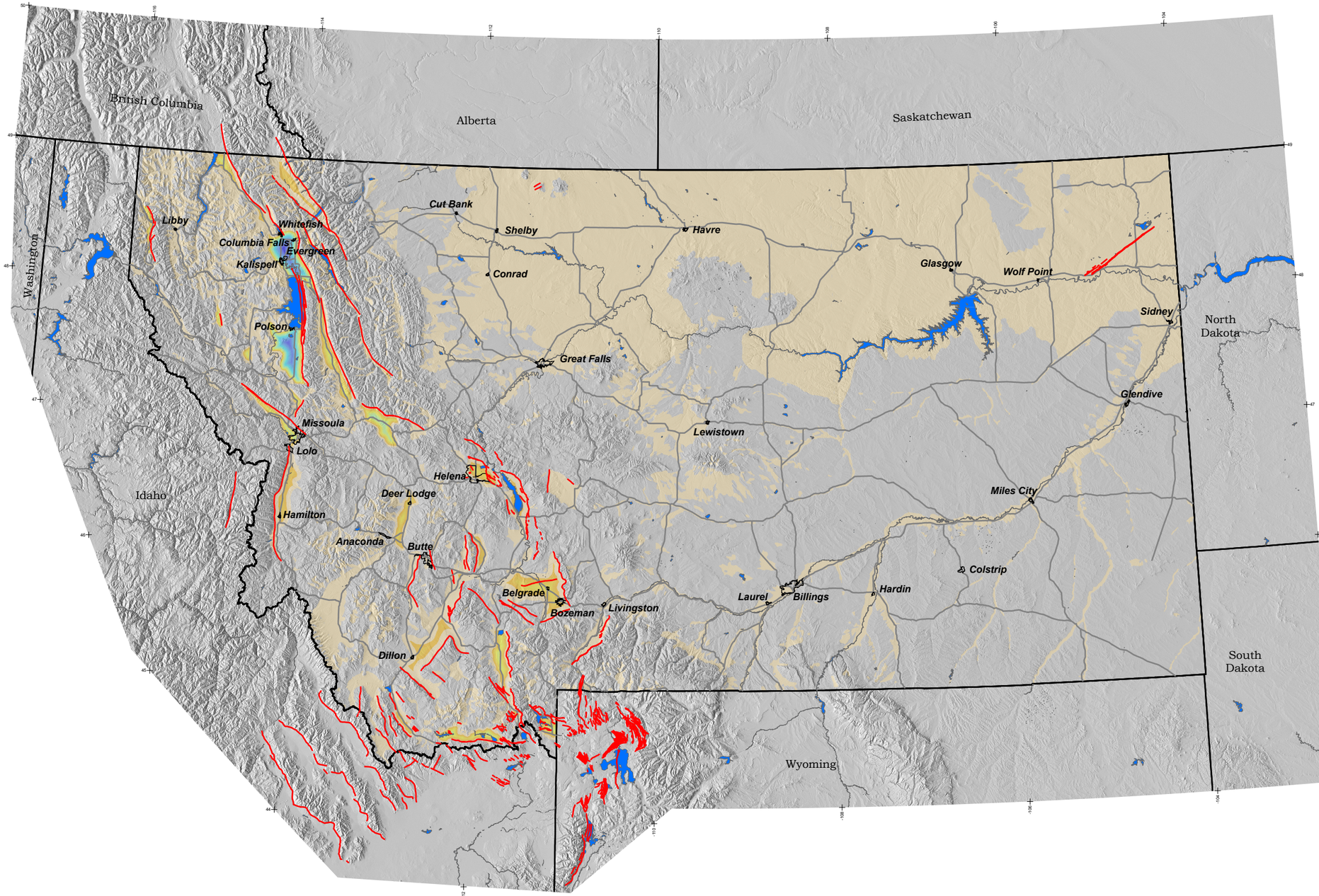
Plate 4
Thickness of Quaternary Basin Fill



MBMG Publication XXX

Probabilistic Earthquake Ground Shaking Maps for the State of Montana

by
Ivan Wong, Susan Olig, Mark Dober,
Douglas Wright, Eliza Nemser, David Lageson,
Walter Silva, Michael Stickney, Michele Lemieux
and Larry Anderson

2005

Thickness of Quaternary Basin Fill (ft.)

- 0
- 1 - 50
- 50.1 - 75
- 75.1 - 100
- 100.1 - 125
- 125.1 - 150
- 150.1 - 175
- 175.1 - 200
- 200.1 - 250
- 250.1 - 300
- 300.1 - 350
- 350.1 - 400
- 400.1 - 500
- 500.1 - 600
- 600.1 - 700
- 700.1 - 800
- 800.1 - 900
- 900.1 - 1,000

Quaternary Faults

Fault Database modified from Stickney and others, 2000
(See Appendix for other fault map sources)

N
W E
S

20 0 20 40 60 80 100 Kilometers

20 0 20 40 60 80 100 Miles

Project suported by the Montana Department of Natural Resources and Conservation and the Federal Emergency Management Agency. Basemap data from Montana State Library, Natural Resource Information System, GIS and layout by URS Corporation. Published by Montana Bureau of Mines and Geology.