

EXPLANATION

Fault; dashed where approximate or concealed, dotted where inferred, queried where uncertain, ball and bar on downthrown side, sawteeth on upper plate of thrust fault, heavy line indicates late Quaternary activity, solid lines without slip direction are mapped faults or lineaments on aerial photographs. Minor faults (less than 10 km length) not all shown

Physiographic province boundary (after Fenneman, 1931; Thornbury, 1965)

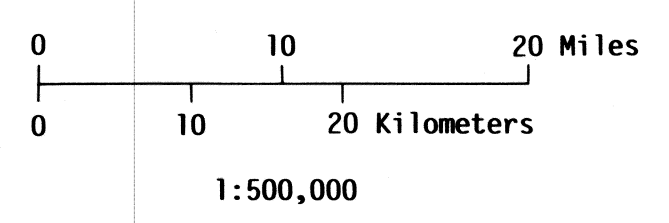
Magnitude scale

- | | |
|-----------|----------|
| Post-1963 | Pre-1963 |
| mag 8 | mag 8 |
| mag 7 | mag 7 |
| mag 6 | mag 6 |
| mag 5 | mag 5 |
| mag 4 | mag 4 |
| mag 3 | mag 3 |
| mag 2 | mag 2 |
| mag 1 | mag 1 |
| mag N/A | mag N/A |

Sources of data

- Brooks and others, 1976
- Brooks, 1979a
- Brooks, 1979b
- Brooks and others, 1977
- Brown and Thayer, 1966
- Brown and others, 1980
- Ekren and others, 1981
- Fitzgerald, 1982
- Gilbert and others, 1983
- Greene and others, 1972
- Hamilton, 1969
- Mann, 1989
- Mitchell and Bennett, 1979a
- Mitchell and Bennett, 1979b
- Schlicker and Brooks, 1975
- Vallier, 1974
- Walker, 1977

Seismicity data from National Earthquake Information Center, Earthquake Database System Events from January 1850 to April 1989.



**REGIONAL TECTONIC STRUCTURES AND HISTORICAL SEISMICITY
Mann Creek And Mason Dam Sites
Idaho and Oregon**



Project No.
1419A.5

Plate
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