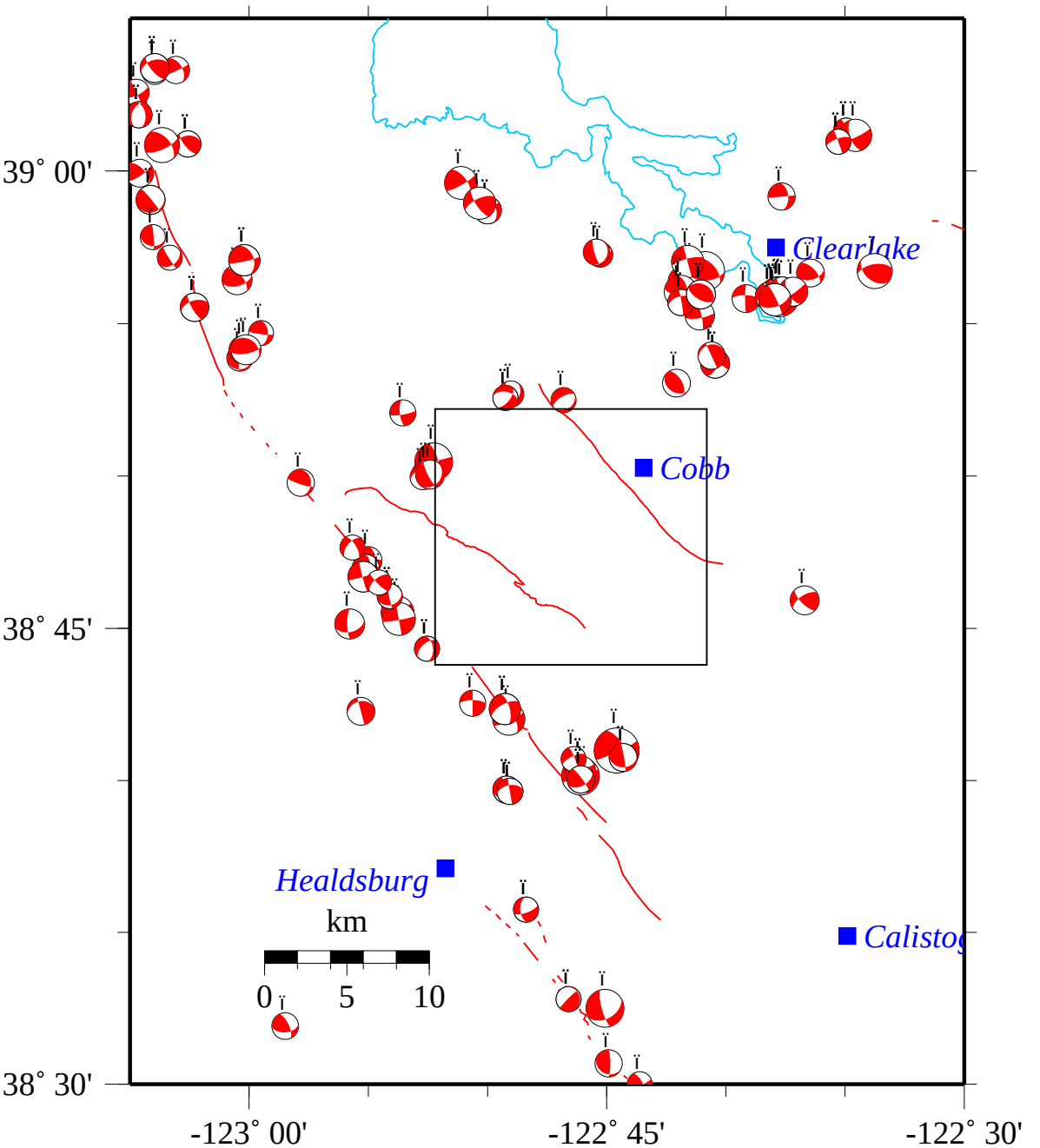
1977 to 1998 M >= 2.5

mechanisms; no Geyser events