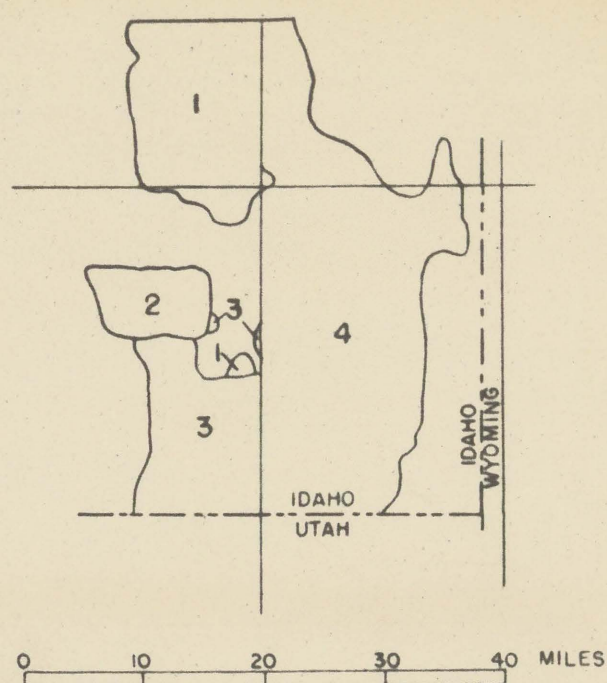




SOURCES

1. Armstrong, F. C. (unpublished)
2. Bright, R. C. (1960)
3. Hardy, C. T., and Williams, J. Stewart (1953)
4. Mansfield, G. R. (1927)

EXPLANATION

- Cenozoic rocks
- Triassic rocks
- Mississippian to Lower Cretaceous rocks east of Bear Lake and Bear River Valleys
- Mississippian to Permian rocks
- Mississippian rocks
- Cambrian to Devonian rocks
- Paris thrust fault
Dashed where inferred or concealed, sawteeth on side of upper plate
- Trace of axial plane of anticline
- Trace of axial plane of syncline
- 800'
Thickness of Ephraim conglomerate
- (2400')
Thickness of Gannett group
- 1' in 11'
Rate of thickening of Ephraim conglomerate
- (1' in 18')
Rate of thickening of Gannett group

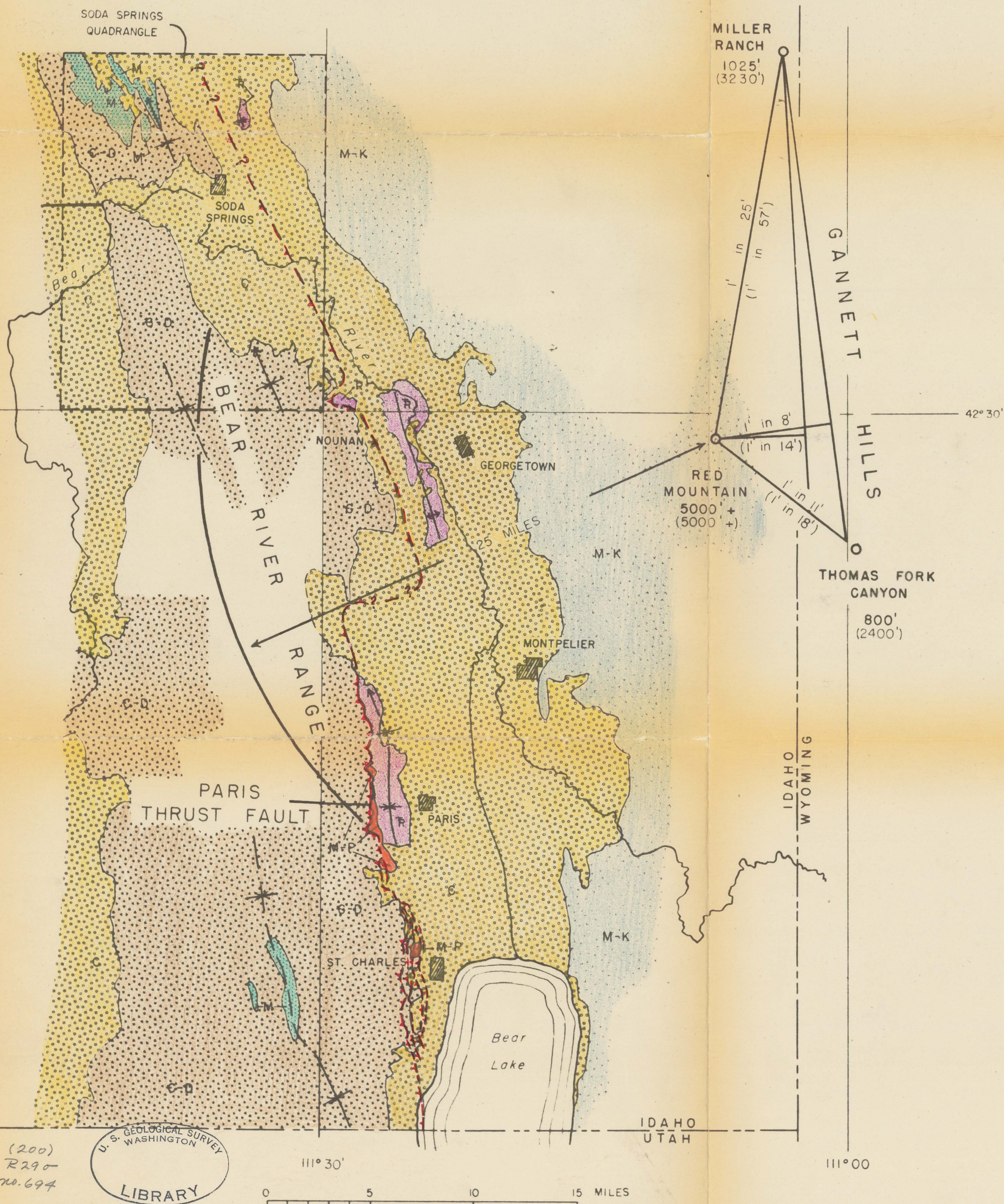


FIGURE 9 SOURCE AREA AND RATES OF THICKENING OF THE EPHRAIM CONGLOMERATE AND GANNETT GROUP