

Figure 1. Strain ellipse illustrating hypothetical strain system in the southern Toiyama Range, Nevada.



Figure 2. Brecciated surface of frontal fault at east front of the Toiyama Range, 1 km northwest of mouth of East Manhattan Wash; view southwest. Fault strikes N. 35° E., dips 75° SE.



Figure 3. North-striking, east-dipping normal fault at east end of Cretaceous Round Mountain pluton; view south. Fault drops schist of Cambrian Gold Hill Formation (left) against granite.



Figure 4. Joint set in granite of Cretaceous Round Mountain pluton. Joints strike N. 30° E., dip 70° SE.

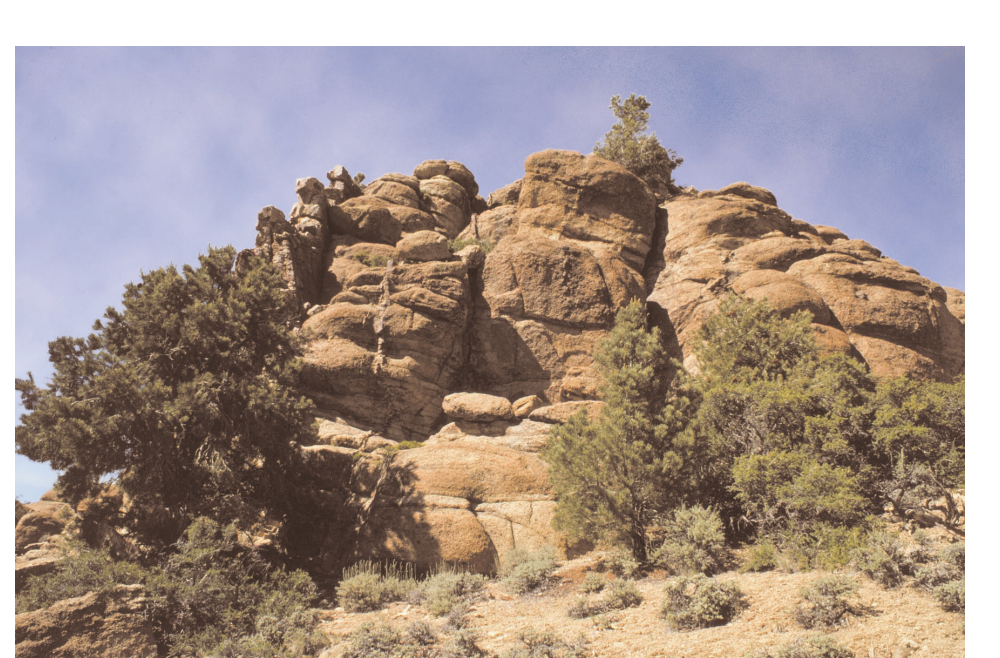


Figure 5. Aplite dikes of the 80-Ma set in granite of Cretaceous Belmont pluton. Dikes are vertical, strike almost due north.

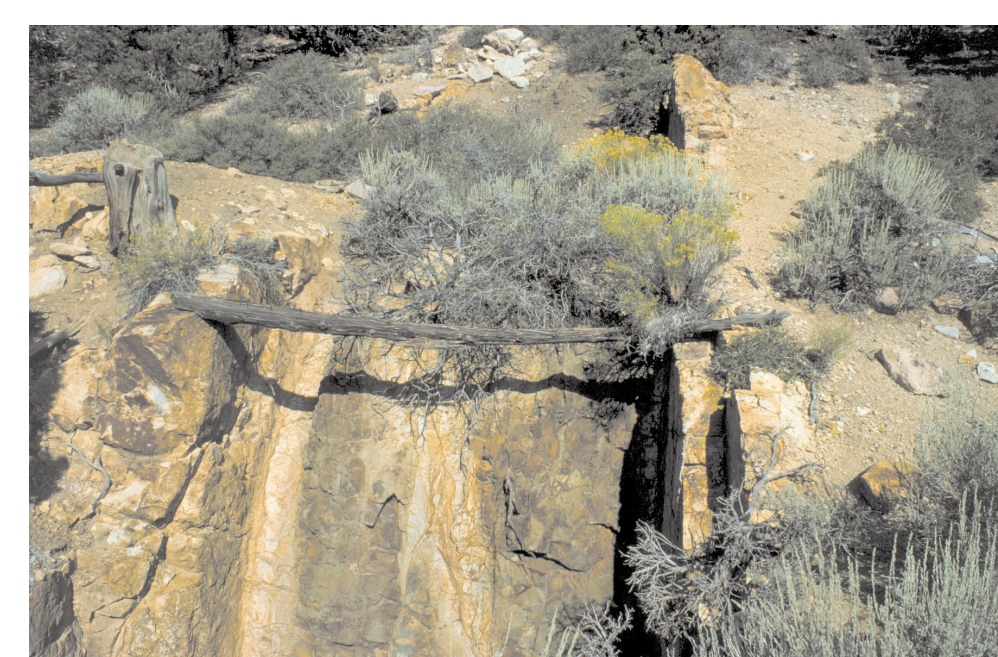
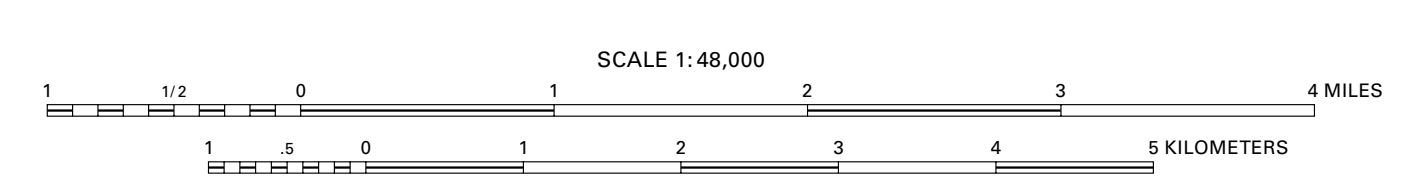
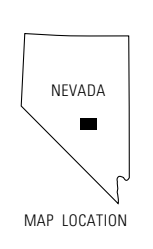


Figure 6. Andesite dike in ash-flow tuff of 25-Ma Round Rock Formation, south part of Manhattan caldera. Dike is 3 m wide, strikes N. 60° W., dips nearly vertical.



Figure 7. Quartz vein of the 80-Ma system cuts aplite dike in granite of Cretaceous Round Mountain pluton. Quartz vein strikes N. 75° E., and is nearly vertical; aplite dike strikes N. 75° W., dips 80° N.



Structures mapped 1967-1995
Geology digitized by Geologic Data Systems
Editing and digital cartography by Alessandro J. Donatich
Manuscript approved for publication November 15, 1999

MAP OF STEEP STRUCTURES IN PART OF THE SOUTHERN TOIYAMA RANGE AND ADJACENT AREAS, NYE COUNTY, NEVADA

By
Daniel R. Shawe
2001

Any use of trade names in this publication is for descriptive purposes only and does not imply endorsement by the U.S. Geological Survey.

This map was produced on request, directly from digital files, on an electronic plotter.

For sale by U.S. Geological Survey Information Services
Box 25286, Federal Center, Denver, CO 80225
1 888 ASK USGS

This map is also available as a PDF at <http://geology.cr.usgs.gov/greenwood-pubs.html>