

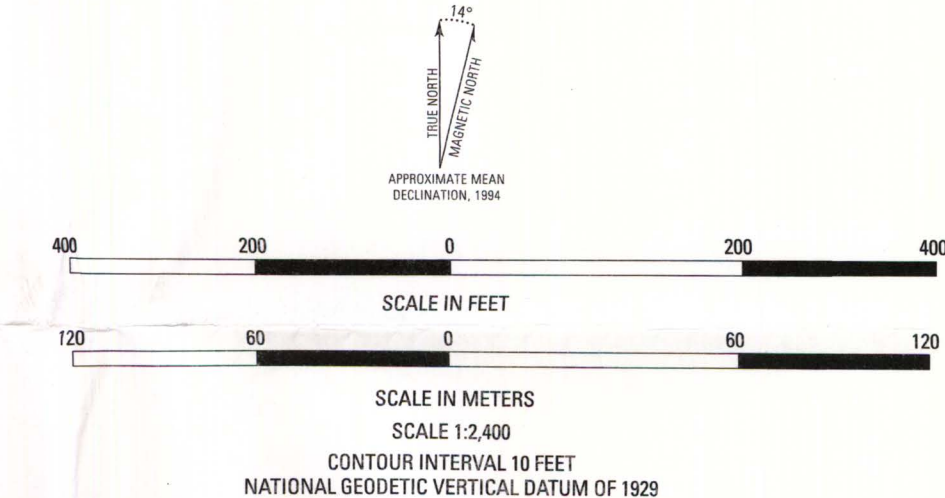
- EXPLANATION**
- Geologic Units
- Quaternary
- Qu Quaternary surficial deposits, undifferentiated
- Tertiary
- Tiva Canyon Tuff
- Crystal-rich member
- cr2 Mixed-pumice subzone (Tpcrn2, Tpcr12)*
- cr1 Crystal-transition subzone (Tpcrn1, Tpcr11)*
- Crystal-poor member
- cpul Upper lithophysal zone (Tpcpul)*
- cpm3 Upper nonlithophysal subzone of middle nonlithophysal zone (Tpcpm3)*
- cpll Lower lithophysal zone (including Tpcpll, Tpcpmn1, Tpcpmn2)*
- cpln Lower nonlithophysal zone (Tpcpln and locally includes Tpcpv)*
- * Abbreviation of informal stratigraphic nomenclature by Buesch and others (1996)

- cpll cpln Contact—Solid where exposed or tightly constrained, dashed where approximately located, dotted where concealed beneath Quaternary surficial deposits, queried where inferred or uncertain
- 7 Fault—Solid where exposed or tightly constrained, dashed where approximately located, dotted where concealed beneath Quaternary surficial deposits, queried where inferred or uncertain
- △ Breccia
- Surface trace of breccia zone
- ⊙ Prominent concentration of fault breccia float
- Clear exposure
- UZ-N32 Drill hole and name

Reference cited:
Buesch, D.C., Spengler, R.W., Moyer, T.C., and Geslin, J.K., 1996, Proposed stratigraphic
nomenclature and macroscopic identification of lithostratigraphic units of the Paintbrush
Group exposed at Yucca Mountain, Nevada: U.S. Geological Survey Open-File Report 94-469, 45 p.

Geologic map showing the Sundance Fault zone and adjacent areas, Antler Ridge area

By
C.J. Potter, R.P. Dickerson, and W.C. Day, 1999



Topographic base map from the 1:6,000-scale topographic contour data produced from the
orthophotographic mission flown in 1980 by EO&G for the U.S. Department of Energy. Nevada
State Plane coordinates (in feet) are for the central zone of Nevada and are based on polyconic projection.

Mapping done spring 1995 by
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