

EXPLANATION

- Geologic Units
- Quaternary
- Qu Quaternary surficial deposits, undifferentiated
- Tertiary
- Tiva Canyon Tuff
- Crystal-rich member
 - Vitric zone
 - crv Vitrophyre subzone (Tpcrv1)*
 - Nonlithophysal zone and (locally present) lithophysal zone
 - cr3 Pumice-poor subzone (Tpcrn3)*
 - cr2 Mixed-pumice subzone (Tpcrn2, Tpcr2)*
 - cr1 Crystal-transition subzone (Tpcrn1, Tpcr11)*
 - Crystal-poor member
 - cpum Upper lithophysal zone and middle nonlithophysal zone, undifferentiated (Tpcpmn, Tpcpul)*
 - cpil Lower lithophysal zone (including Tpcpll, Tpcpmn1, Tpcpmn2)*
 - cpln Lower nonlithophysal zone (Tpcpln, and locally includes Tpcpv)*
 - cpv Vitric zone (Tpcpv)*
 - bt Bedded tuff beneath the Tiva Canyon Tuff

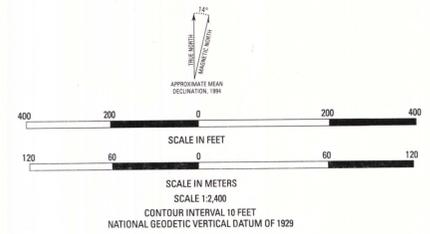
* Abbreviation of informal stratigraphic nomenclature by Buesch and others (1996)

- 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
- Fault—Solid where exposed or tightly constrained, dashed where approximately located, dotted where concealed beneath Quaternary surficial deposits, queried where inferred or uncertain
- Strike-slip fault—Arrows show sense of movement
- Breccia
- Surface trace of breccia zone
- Prominent concentration of fault breccia float

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,
Little Prow area

By
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Topographic base map from the 1:6,000-scale topographic contour data produced from the orthophotographic mission flown in 1980 by ES&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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