

"PRELIMINARY DRAFT"



U.S. DEPARTMENT OF THE INTERIOR U.S. GEOLOGICAL SURVEY PREPARED IN COOPERATION WITH THE U.S. DEPARTMENT OF ENERGY

ADMINISTRATIVE REPORT
LITTLE PROM - PLATE 3
C.J. Potter and others, 1995. Geologic map of the Sundance Fault Zone and Adjacent Areas

EXPLANATION

Geologic Units

Quaternary

Qu Quaternary surficial deposits, undifferentiated.

Tertiary

Tiva Canyon Tuff

Crystal-poor member

Virric zone

crv Virric zone subzone (Tpcrv1)*

cr3 Nonlithophysal zone and (locally present) lithophysal zone

cr2 Pumice-poor subzone (Tpcrn3)*

cr1 Mixed-pumice subzone (Tpcrn2, Tpcr12)*

cr1 Crysto-transition subzone (Tpcrn1, Tpcr11)*

Crystal-poor member

cul Upper lithophysal zone (Tpcpu1)*

culmn Upper lithophysal zone, Middle lithophysal zone undifferentiated (Tpcpul)*

cmn3 Upper nonlithophysal subzone of middle nonlithophysal zone (Tpcpm3)*

cll Lower lithophysal zone (including Tpcpl1, Tpcpm1, Tpcpm2)*

cln Lower nonlithophysal zone (Tpcpln, and locally includes Tpcpv)*

bt Bedded tuff beneath the Tiva Canyon Tuff

* Abbreviation of stratigraphic nomenclature of Buesch and others, in press

Contact - solid where exposed or lightly constrained, dashed where approximately located, dotted where concealed beneath Quaternary cover, quartered where inferred or uncertain

Strike and dip of prominent joint or joint set

Strike of vertical joints

Fault - solid where exposed or lightly constrained, dashed where approximately located, dotted where concealed beneath Quaternary cover, quartered where inferred or uncertain

Breccia

Surface trace of breccia zone

br fl. Breccia float

UZ#16 Drill hole

Reference cited:
Buesch, D.C., Spengler, R.W., Meyer, T.C., and Geislin, J.K., in press, Revised 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

Geologic Map of the Sundance Fault Zone and Adjacent Areas
By
C.J. Potter, R.P. Dickerson, W.C. Day, 1995

Approximate Mean Declination, 1994

Scale in Feet
Scale in Meters
Scale: 1 inch = 200 Feet
Contour Interval 10 Feet
National Geodetic Datum of 1993

Topographic contour data are digitized from the 1:62,500 scale topographic contour data produced from an orthophoto mission flown in 1990 by CGC for the Department of Energy.

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Mapping done Spring 1995 by
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Digital cartography by Bill Blackburn

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