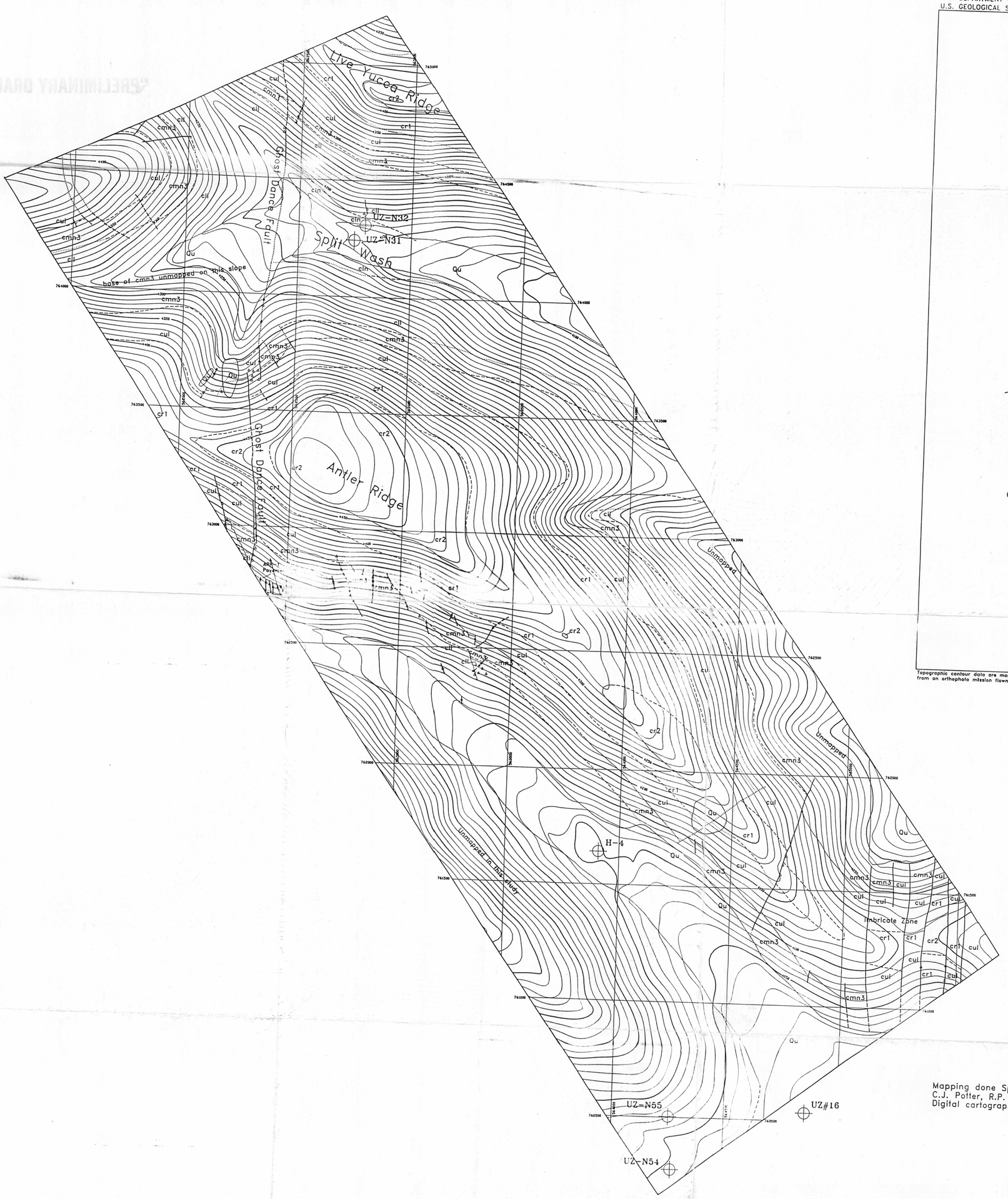
"PRELIMINARY DRAFT"

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
U.S. DEPARTMENT OF ENERGY

ADMINISTRATIVE REPORT
ANTLER RIDGE – PLATE1
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-rich Member

Vitric zone

- crv — Vitrophyre subzone (Tpcrvl)*

Nonlithophysal zone and (locally present) Lithophysal zone

- cr3 — Pumice-poor subzone (Tpcrn3)*
- cr2 — Mixed-pumice subzone (Tpcrn2, Tpcrl2)*
- cr1 — Crystal transition subzone (Tpcrn1,Tpcrl1)*

Crystal-poor Member

- cul — Upper lithophysal zone (Tpcpul)*
- culmn — Upper lithophysal zone, Middle lithophysal zone undifferentiated (Tpcpul)*
- cmn3 — Upper nonlithophysal subzone of middle nonlithophysal zone (Tpcpmn3)*
- cll — Lower lithophysal "zone" (including Tpcpll, Tpcpmn1, Tpcpmn2)*
- cln — Lower nonlithophysal zone (Tpcpln, and locally includes Tpcpv)*
- bl — Bedded tuff beneath the Tiva Canyon Tuff

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

cll / cln — Contact – solid where exposed or tightly constrained, dashed where approximately located, dotted where concealed beneath Quaternary cover, queried where inferred or uncertain

85 — Strike and dip of prominent joint or joint set.

Strike of vertical joints

? — Fault – solid where exposed or tightly constrained, dashed where approximately located, dotted where concealed beneath Quaternary cover, queried where inferred or uncertain

Breccia

Surface trace of breccia zone

bx fl. — Breccia float

UZ#16 — Drill hole

Reference cited:

Buesch, D.C., Spengler, R.W., Moyer, T.C., and Geslin, 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

N

Approximate Mean Declination, 1994

400 200 0 200 400

Scale in Feet

120 60 0 60 120

Scale in Meters

Scale: 1 inch = 200 Feet

Contour Interval 10 Feet

National Geodetic Datum of 1929

Topographic contour data are magnified from the 1:6000 scale topographic countour data produced from an orthophoto mission flown in 1990 by EG&G for the Department of Energy.

Mapping done Spring 1995 by
C.J. Potter, R.P. Dickerson, W.C. Day, and Karl Kellogg.
Digital cartography by R.L. Blackburn

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