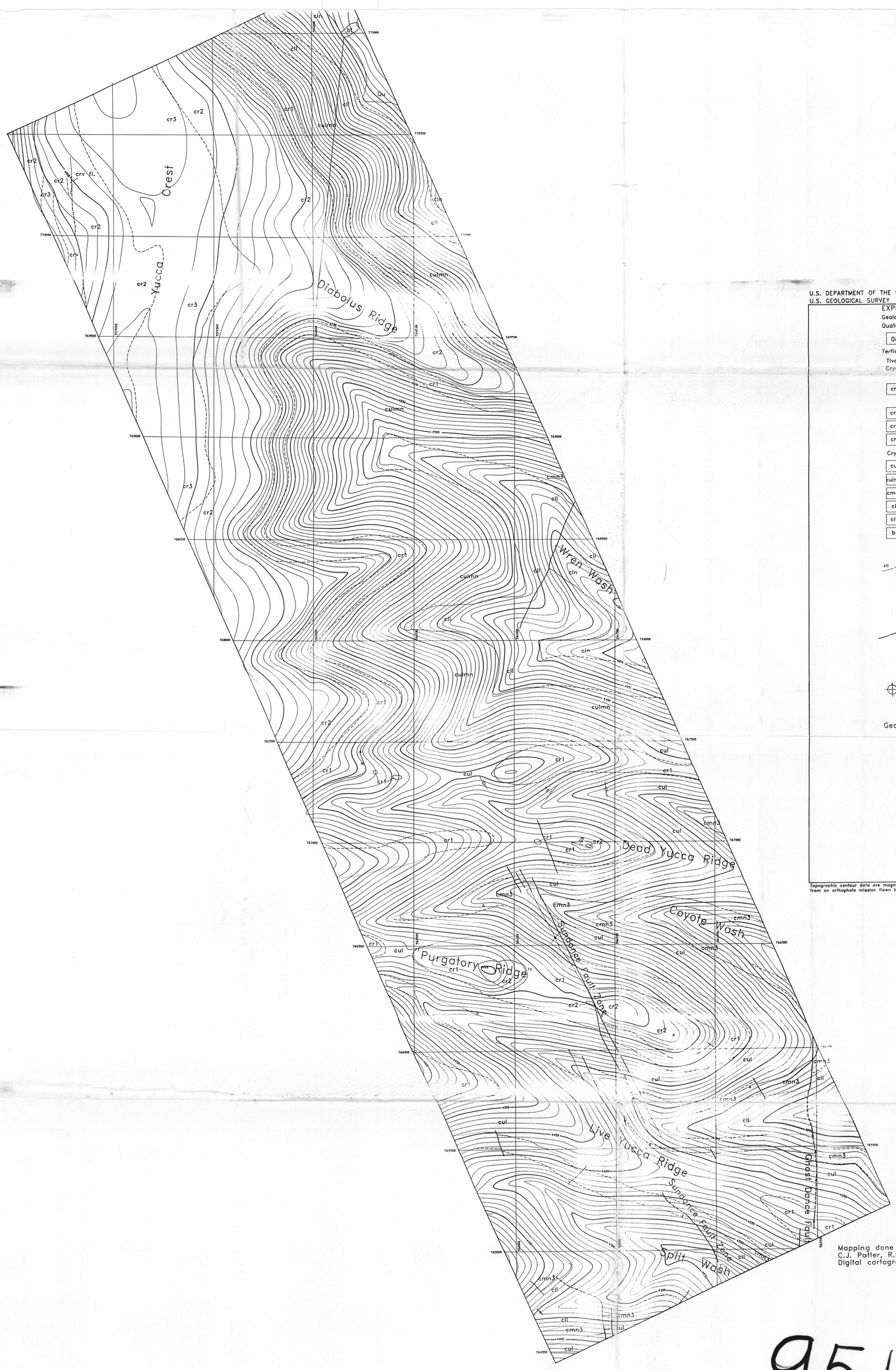

"PRELIMINARY DRAFT"

ADMINISTRATIVE REPORT
CHAPTER C OF THE YUCCA RIDGE — PLATE 2
[illegible] 1995 Geologic map
of the Sundance Fault Zone and Adjacent Areas

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

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

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)*
- bt — 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 contour 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

per N. Hinds letter dated 11/15/95

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