TERTIARY GEOLOGY OF THE SOUTHERN PORTION OF THE EUREKA QUADRANGLE, JUAB AND UTAH COUNTIES, UTAH

by

Jeffrey D. Keith and Choon-Sik Kim

UTAH GEOLOGICAL AND MINERAL SURVEY
a division of
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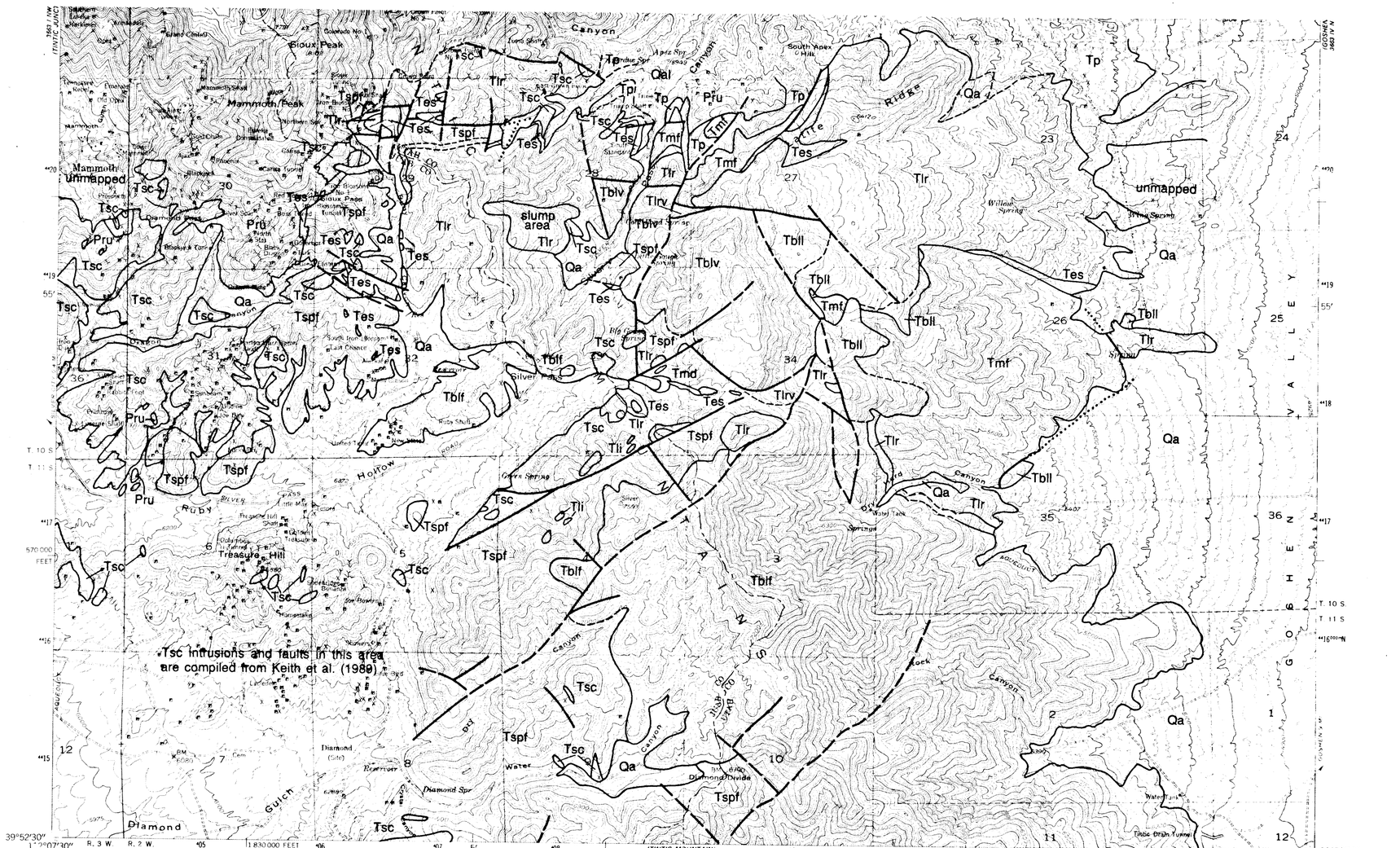

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography from aerial photographs by multiplex methods 1946
Aerial photographs taken 1943. Culture revised 1954

Polyconic projection. 1927 North American datum
10,000-foot grid based on Utah coordinate system, central zone

Dashed land lines indicate approximate locations

1000 meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

Revisions shown in purple compiled from aerial photographs taken 1975. This information not field checked

UTM GRID AND 1975 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 25 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

QUADRANGLE LOCATION

ROAD CLASSIFICATION

Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
U. S. Route — State Route

EUREKA, UTAH
N3952.5—W11200/7.5

1954
PHOTOREVISED 1975
AMS 3563 I NE SERIES V897

EXPLANATION

EXTRUSIVE AND SEDIMENTARY

QUATERNARY

- **Qal** — Alluvium

TERTIARY

- **Tbll, Tblv, Tblf** — Biotite latite: Tblf, flows; Tbll, lahars; Tblv, vent facies
- **Tlrv, Tlr** — Latite Ridge Latite: Tlr, ash flow tuff; Tlrv, vent facies tuff
- **Tes** — Epiclastic and lacustrine sediments
- **Tmf** — Mafic flows
- **Tspf** — Flows of Sunrise Peak
- **Tls** — Lacustrine sediments
- **Tct** — Copperopolis latite tuff member
- **Tp** — Packard quartz latite

PALEOZOIC

- **Pru** — Sedimentary rocks undivided

INTRUSIVE

- **Tsc** — Monzonite Porphyry of the Silver City Stock and associated intrusions
- **Tli** — Biotite latite dikes
- **Tmd** — Mafic dikes
- **Tsp** — Sunrise Peak monzonite porphyry
- **Tsq** — Swansea quartz monzonite

contact; dashed where approximately located

fault; dashed where approximately located, dotted where covered