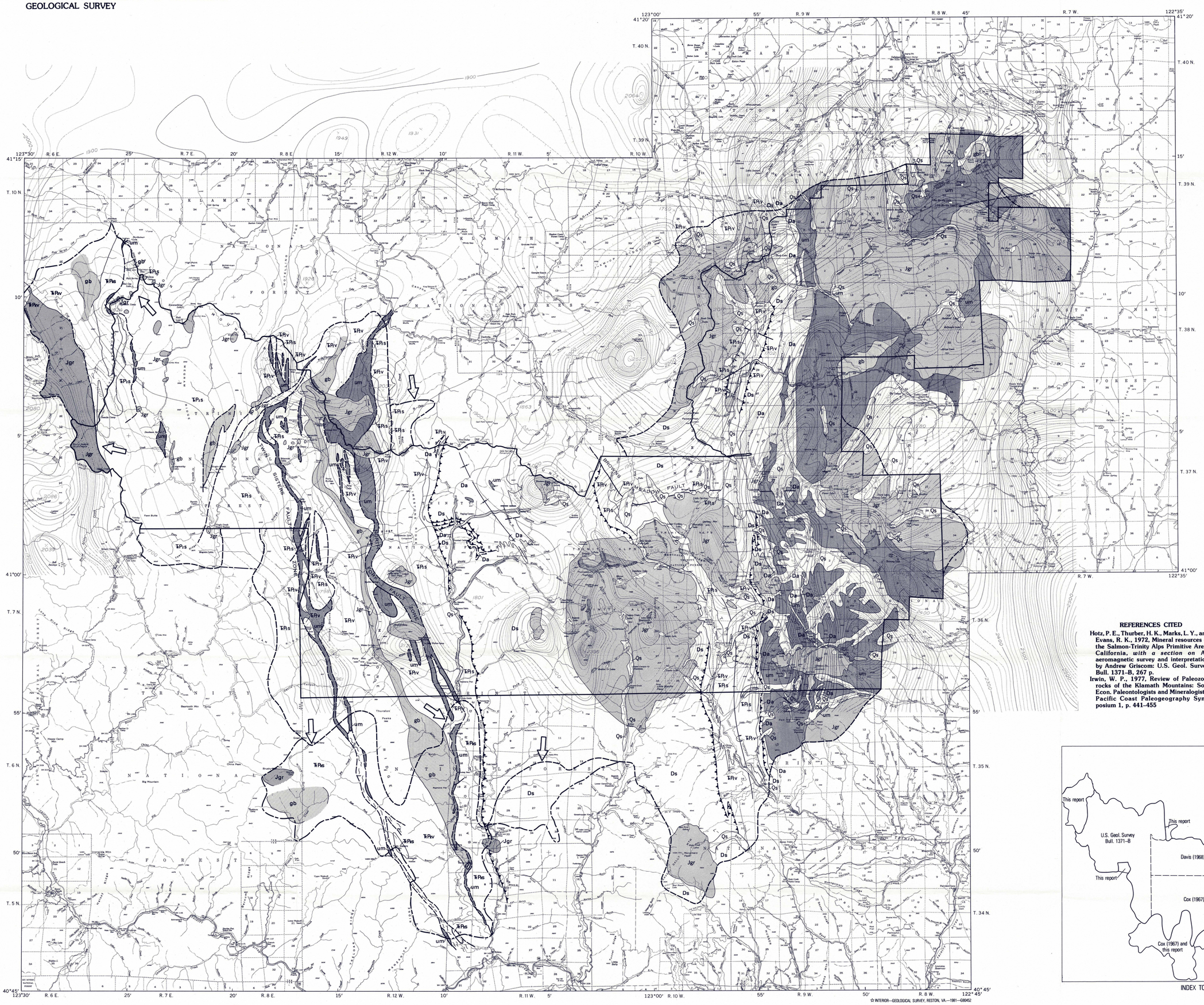


Base from U.S. Geological Survey, 1:62,500
Bonanza King, Salmon Mtn, Coffee Creek, Etna, China Mtn, and Cecilville, 1955; Trinity Dam, 1950; Ironside Mtn and Helena, 1951

APPROXIMATE MEAN DECLINATION, 1981

SCALE 1:125 000

2 1 0 2 4 6 8 10 MILES

2 1 0 2 4 6 8 10 KILOMETERS

☆ INTERIOR—GEOLOGICAL SURVEY, RESTON, VA.—1981—G80452

Geology mapped 1963–71; 1973

EXPLANATION

Qs — **Surficial deposits** — *Primarily glacial deposits; includes some alluvium (Pleistocene and Holocene)* — QUATERNARY

Jgr — **Granitic rocks** — JURASSIC

gb — **Gabbroic rocks** — JURASSIC OR OLDER

um — **Ultramafic rocks** — *Mostly serpentinite* — JURASSIC OR OLDER

WESTERN PALEOZOIC AND TRIASSIC BELT

TRPs — **TRPs, metasedimentary rocks**
TRPv — **TRPv, metavolcanic rocks**
MIDDLE AND UPPER PALEOZOIC AND TRIASSIC

CENTRAL METAMORPHIC BELT

Da — **Abrams Mica Schist**[1] — *Also includes amphibolite, calcareous schist, and impure marble*

Ds — **Salmon Hornblende Schist**[1]

DEVONIAN

[1]Age of Abrams Mica Schist and Salmon Hornblende Schist, shown as Devonian or older Paleozoic in plate 1 of Hotz and others (1972), changed to Devonian by Irwin (1977)

Contact, approximately located

Fault — *Dashed where approximately located*

Thrust fault — *Dashed where approximately located; sawteeth on upper plate*

Synform

Overturned synform, antiform

Magnetic contours — *Showing total intensity of Earth's magnetic field in gammas, relative to arbitrary datum. Hachured to indicate closed areas of lower magnetic intensity. Contour interval 20 and 100 gammas*

Boundary of Salmon-Trinity Alps Primitive Area

Boundary of study area, 1968–70

Boundary of study area, 1973

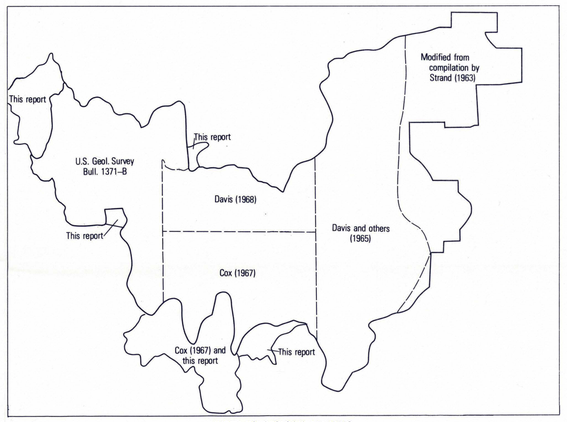
Shearing in fault zone

Points to additional areas studied in 1973 for this report

REFERENCES CITED

Hotz, P. E., Thurber, H. K., Marks, L. Y., and Evans, R. K., 1972, Mineral resources of the Salmon-Trinity Alps Primitive Area, California, *with a section on* An aeromagnetic survey and interpretation by Andrew Griscom: U.S. Geol. Survey Bull. 1371–B, 267 p.

Irwin, W. P., 1977, Review of Paleozoic rocks of the Klamath Mountains: Soc. Econ. Paleontologists and Mineralogists, Pacific Coast Paleogeography Symposium 1, p. 441–455



INDEX TO GEOLOGIC MAPPING

GENERALIZED GEOLOGIC AND MAGNETIC INTENSITY MAP OF THE SALMON-TRINITY ALPS PRIMITIVE AREA, CALIFORNIA