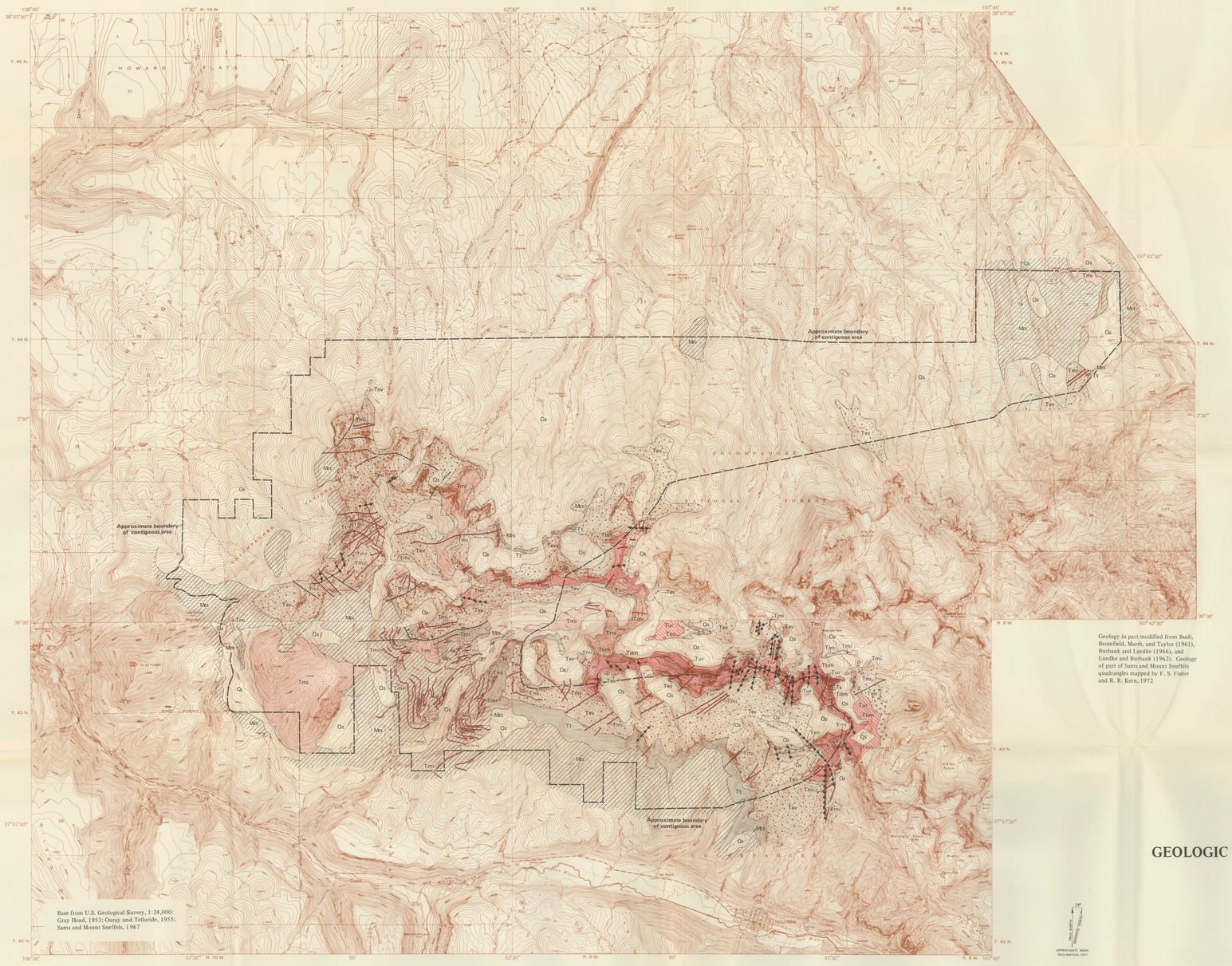
A. Central and Eastern Study Areas

Geology of central contiguous area largely modified from Luedke and Burbank (1962) and Luedke (1972), with some geologic mapping along north edge by F. S. Fisher and R. R. Kern, 1972. Geology of eastern contiguous area mapped by P. W. Lipman, T. A. Steven, and D. A. Johnston, 1972



B. Western Study Area

Geology in part modified from Bush, Bromfield, Marsh, and Taylor (1961), Burbank and Luedke (1966), and Luedke and Burbank (1962). Geology of part of Sams and Mount Sneffels quadrangles mapped by F. S. Fisher and R. R. Kern, 1972

EXPLANATION

CENTRAL AND EASTERN STUDY AREAS

Qa, Ql — Surficial rocks
Qa — *alluvial deposits*
Ql — *landslide deposits*

Qg — Glacial deposits

WESTERN STUDY AREA

Qs — Surficial deposits, undivided

QUATERNARY

Tri — Rhyolite intrusive rock

Miocene

Tmi — Monzonitic intrusive rock

Tn — Nelson Mountain Tuff

Tpp — Volcanics of Uncompahgre Peak

Tcr — Carpenter Ridge Tuff

Tcl — Crystal Lake Tuff

Tfc — Fish Canyon Tuff

Thb — Henson and Burns Formations and equivalent rocks

Ts, Tse — Sapinero Mesa Tuff
Ts, *outflow member*
Tse, *intracaldera Eureka Member*

Tdm — Dillon Mesa Tuff

Tbm — Blue Mesa Tuff

Tur — Ute Ridge Tuff

Tev, Ten, Tei — Early intermediate-composition rocks
Tev, *volcaniclastic facies*
Ten, *near-source facies*
Tei, *intrusive rocks*

Oligocene

TERTIARY

Tt — Telluride Conglomerate

Eocene

Ki — Intrusive rocks

Upper Cretaceous

CRETACEOUS

Mzs — Sedimentary rocks

MESOZOIC

Pzs — Sedimentary rocks

PALEOZOIC

Contact

Fault
Dotted where concealed. Bar and ball on downthrown side

Vein

Break-away scarps on block landslide masses

GEOLOGIC MAPS OF STUDY AREAS CONTIGUOUS TO THE UNCOMPAHGRE PRIMITIVE AREA, SOUTHWESTERN COLORADO

SCALE 1:48 000

1 ½ 0 1 2 3 MILES

1 .5 0 1 2 3 KILOMETERS

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL