UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED ON BEHALF OF THE
U.S. ATOMIC ENERGY COMMISSION

BULLETIN 1227
PLATE 1

EXPLANATION

Recent

- Qal — Alluvium
- Qt — Talus
- Qr — Rock glaciers. *Form lines of ridges indicated by black pattern*
- Qd — Glacial drift

Pleistocene

- Qd2, Qd — Glacial drift. *Well preserved lateral and terminal moraines shown by black pattern*
  - Qd2, *late Wisconsin in age*
  - Qd, *undifferentiated drift, early Wisconsin and pre-Wisconsin in age*

QUATERNARY

- Ql — Landslide deposits
  - Ql, *undivided*
  - Qlv, *volcanic debris from the Silverton Volcanic Group and overlying Potosi Volcanic Group*
  - Qls, *derived from the San Juan Formation*
  - Qlt, *derived from the Telluride Conglomerate*

UNCONFORMITY

Middle and upper Tertiary

- Tl — Lamprophyre
- Tpa, Tgd, Tgg — Porphyritic plutonic rocks
  - Tpa, *porphyritic adamellite*
  - Tgd, *granodiorite*
  - Tgg, *microgranogabbro*
  - m, *mixed microgranogabbro (Tgg) and granodiorite porphyry (Tgdp) in contact zone between the two intrusives*
- Tgdp, Trd — Granodiorite porphyry and porphyritic rhyodacite
  - Tgdp, *granodiorite porphyry. Triangular symbols indicate zones rich in inclusions, principally of various Precambrian rocks*
  - Trd, *porphyritic rhyodacite*
- Ts — Silverton Volcanic Group

EROSION SURFACE

- Tsj — San Juan Formation

Oligocene(?)

- Tt — Telluride Conglomerate

TERTIARY

- Td — Dikes, sills, and small irregular intrusives
- Tla — Latite

TERTIARY(?)

- Tmp — Monzonite porphyry

UNCONFORMITY

Upper Cretaceous

- Km — Mancos Shale
- Kd — Dakota Sandstone

CRETACEOUS

UNCONFORMITY

Upper Jurassic

- Jmb, Jms — Morrison Formation
  - Jmb, *Brushy Basin Shale Member, locally at top includes a thin equivalent of the Burro Canyon Formation of Early Cretaceous age*
  - Jms, *Salt Wash Sandstone Member*
- Jw — Wanakah Formation
- Je — Entrada Sandstone

JURASSIC

UNCONFORMITY

Upper Triassic

- Jd — Dolores Formation

TRIASSIC

- br — Breccia. *Metamorphosed Mancos Shale fragments; forms two small pipes in Bilk Basin*

Contact
Dashed where approximately located; short dashed where indefinite, inferred, or gradational

Fault
Dashed where approximately located; queried where probable. U, upthrown side; D, downthrown side

Inclined · Vertical · Overturned · Calculated
Strike and dip of beds

Inclined · Vertical
Strike and dip of joints

Vein
Dashed where approximately located

Contact-metamorphic aureole

Mine dump

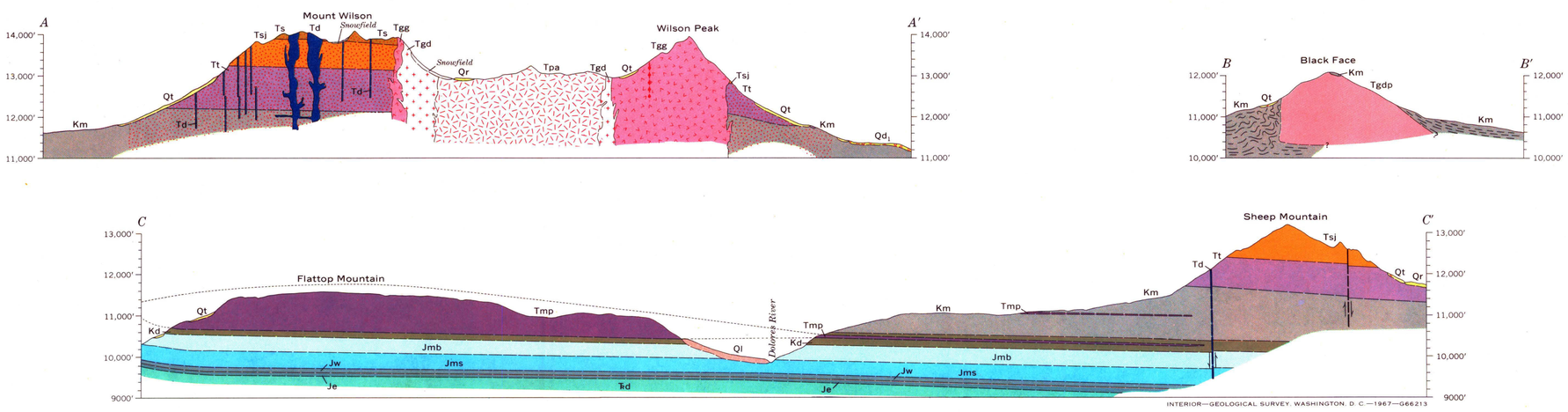
Base by U.S. Geological Survey, 1953
Mines as of 1959

Geology by C. S. Bromfield, A. L. Bush, A. R. Conroy, O. T. Marsh, C. T. Pierson, R. B. Taylor, and W. F. Weeks in 1954–59

APPROXIMATE MEAN DECLINATION, 1967

SCALE 1:24 000
1 MILE
1 KILOMETER
CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

COLORADO
QUADRANGLE LOCATION



GEOLOGIC MAP AND SECTIONS OF THE MOUNT WILSON QUADRANGLE, COLORADO

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1967—G66213