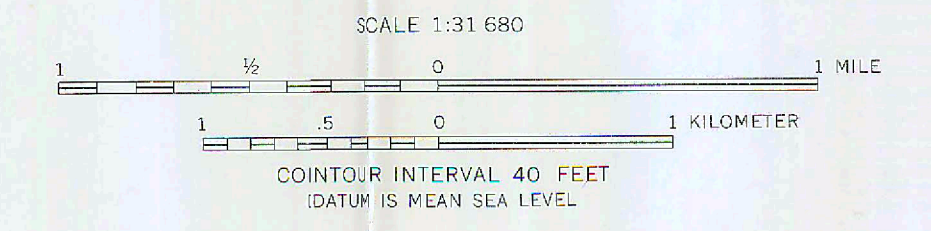


- EXPLANATION**
- SEDIMENTARY AND VOLCANIC ROCKS**
- Qal Modern alluvium UNCONFORMITY
  - Qol Older alluvium and colluvium, talus and fan deposits UNCONFORMITY
  - Ld Landslide deposits QUATERNARY
  - Ts Tuffaceous sediments and conglomerate TERTIARY
  - Wt Welded tuffic tuff
- SEDIMENTARY ROCKS**
- Po Opuntia(?) Formation UNCONFORMITY
  - 15% locally mapped contact between Eocene and Oligocene sediments
  - Mm Metamorphosed Manning Canyon(?) Shale MISSISSIPPIAN(?)
  - om Metamorphosed Fish Haven(?) Dolomite MISSISSIPPIAN(?)
  - oe Metamorphosed Eureka(?) Quartzite ORDOVICIAN(?)
  - og Metamorphosed limestone of the Pagosa(?) Group ORDOVICIAN(?)
  - sc Schist of Mahogany Peaks CAMBRIAN(?)
  - cc Quartzite of Clark Basin CAMBRIAN(?)
  - Thrust commonly lies near the contact
  - pcss Schist of Stevens Spring PRECAMBRIAN(?)
  - pcy Quartzite of Yost PRECAMBRIAN(?)
  - pcu Schist of the Upper Narrows PRECAMBRIAN(?)
  - pcu map, massive quartz schist number
  - pcu Elna Quartzite PRECAMBRIAN
  - pcu Older schist PRECAMBRIAN
- INTRUSIVE IGNEOUS ROCKS**
- ma Metamorphosed andesinite AGE UNKNOWN
  - gp Metamorphosed granite porphyry AGE UNKNOWN
- Geological Symbols:**
- Contact: Solid where located within 100 feet; dashed where located within 1 mile; short dashes where approximations; dotted beneath mapped units; quartered where doubtful.
  - High-angle fault: Dashed where located less accurately than 100 feet; dotted beneath mapped units; quartered where doubtful. U, upthrown side; D, downthrown side; arrows indicate relative movement.
  - Thrust fault: Dashed where located less accurately than 100 feet. Scatter on upper plate.
  - Anticline: Showing trace of axial surface.
  - Syncline: Showing trace of axial surface.
  - Axial trace of minor syncline: Showing above.
  - Note: Axial traces of folds are not shown on the main geologic map but are plotted to scale on figures 1 and 2 in accompanying pamphlet.
  - Inclined: Vertical, Horizontal, Overturned. Strike and dip of beds.
  - Inclined: Strike and dip of metamorphic foliations.
  - Inclined: Horizontal. Bearing and plunge of lineation. May be combined with bedding or foliation symbols.

GL01619-0007



**GEOLOGIC MAP OF THE YOST QUADRANGLE, BOX ELDER COUNTY, UTAH, AND CASSIA COUNTY, IDAHO**

By  
**Robert R. Compton**  
1972