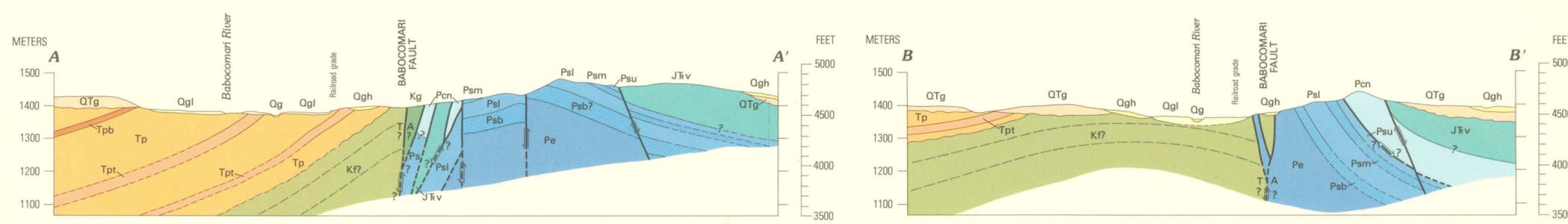
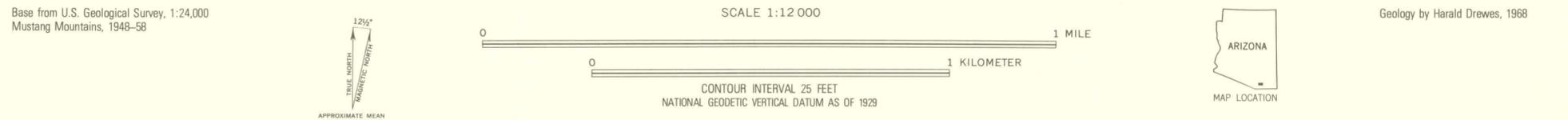


- Kf** FORT CRITTENDEN FORMATION (UPPER CRETACEOUS)—Redbed siltstone and shale; contains sparse intercalated conglomerate, limestone and tuff; may include some older rocks
- Kg** GLANCE CONGLOMERATE (LOWER CRETACEOUS)—Cobble and pebble conglomerate, contains abundant limestone clasts
- Jrv** CANELO HILLS VOLCANICS (JURASSIC AND TRIASSIC)—Reddish-gray flow-laminated rhyolite lava and tuff
- rs** SANDSTONE AND SILTSTONE (TRIASSIC?)—Redbeds resembling the Gardner Canyon Formation of Triassic age
- NACO GROUP (LOWER PERMIAN):**
- Pcn** Concha Limestone—Dark-gray, thick-bedded cherty, sparsely fossiliferous limestone
- Ps** Scherrer Formation, undivided—Shown only in structure section
- Psu** Upper quartzite member—Pinkish-gray fine-grained quartzite
- Psm** Medial dolomite member—Light-gray weathering, medium-gray, fine-grained dolomite
- Psl** Lower quartzite member—Light-brownish-gray fine-grained quartzite
- Psb** Basal member—Red siltstone and marlstone
- Pe** Epitaph Dolomite—Includes a lower unit of coarse-grained dark-brownish-gray dolomite, at least 40 m thick; a medial unit of pinkish-gray marlstone and intercalated gray dolomite and brown dolomite with white dolomite blebs, about 30 m thick; and an upper unit of dark-gray moderately thick bedded slightly cherty limestone, about 53 m thick
- SILICIFIED ROCK**

- ### DESCRIPTION OF MAP UNITS
- Qg** GRAVEL AND SAND (HOLOCENE)—Alluvium of floodplains
  - Qgl** GRAVEL AND SAND (HOLOCENE)—Alluvium of low terraces
  - Qgh** GRAVEL AND SAND (PLEISTOCENE)—Alluvium of several high terraces
  - QTg** GRAVEL AND CONGLOMERATE (PLEISTOCENE AND PLIOCENE?)—Basin deposits, mostly weakly consolidated but locally well cemented by caliche
  - PANTANO FORMATION (MIOCENE AND OLIGOCENE):**
  - Tp** Conglomerate and siltstone—Pale-brown to pinkish-orange-gray, moderately consolidated; contains poorly sorted subangular clasts
  - Tpb** Basalt—Olivine basalt lava flow
  - Tpt** Tuff—Light-gray to pinkish-gray rhyolitic tuff and crystal tuff beds; K-Ar age 38.9±1.3 million years (Marvin and others, 1973)
  - TKi** PORPHYRITIC RHYOLITE INTRUSIVE (PALEOCENE OR UPPER CRETACEOUS)

- CONTACT**—Dashed where inferred or gradational; dotted where concealed
- FAULTS**—Dashed where inferred; dotted where concealed
- Normal fault—Showing dip, inclined and vertical. Bar and ball on downthrown side
- Thrust fault—Sawteeth on upper plate
- Strike-slip fault—Arrow couple shows relative movement
- Fault on cross section—Arrow couple shows relative movement. A, movement away from viewer; T, toward viewer. Queried where basis for projection is lacking
- STRIKE AND DIP OF BEDS:**
- Inclined
- Vertical
- Overturned
- STRIKE AND DIP OF FOLIATION**
- STRIKE OF SMALL FOLD—Showing vertical axial plane and direction of plunge of fold axis
- \*38.9 SAMPLE SITE—Showing age of rock in m.y.



GEOLOGIC MAP AND STRUCTURE SECTIONS OF THE SOUTHERN MUSTANG MOUNTAINS, ARIZONA