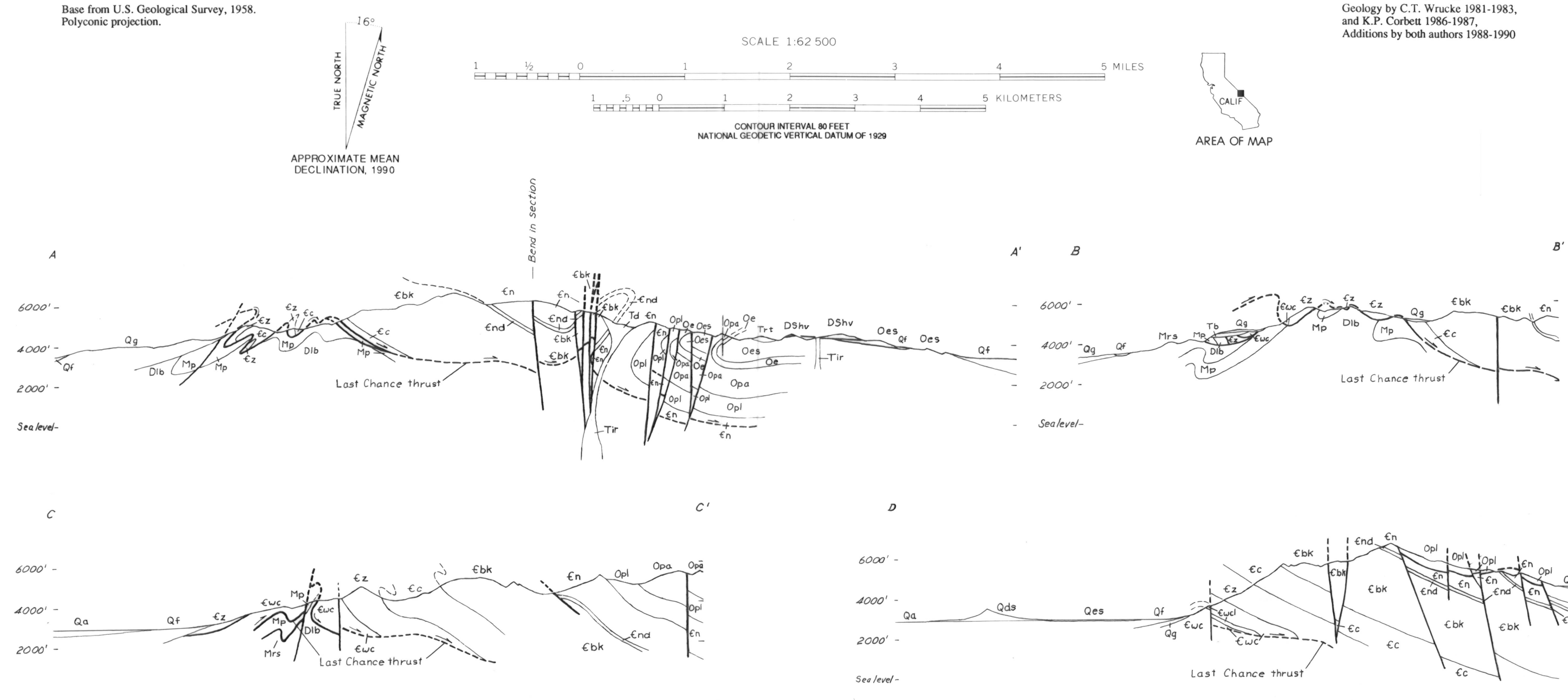


- DESCRIPTION OF MAP UNITS**
- Qa Alluvium (Quaternary)
 - Qp Playa deposits (Quaternary)
 - Qds Dune sand (Quaternary)
 - Qes Eolian sand (Quaternary)
 - Qt Talus (Quaternary)
 - Qf Landslide deposits (Quaternary)
 - Qf Fan deposits (Quaternary)
 - QTa Altered rock containing gypsum and native sulfur (Quaternary and (or) Tertiary)
 - QTc Chert conglomerate (Quaternary and (or) Tertiary)
 - QTg Gravel (Quaternary and (or) Tertiary)
 - Qg Gravel (Quaternary)
 - Qld Lake deposit (Pleistocene)
 - Tb Basalt flows (Pliocene)
 - Tbc Basalt cinder deposits (Pliocene)
 - Tib Intrusive basalt (Pliocene)
 - Tdf Dacite flows (Pliocene)
 - Td Diatreme (Pliocene)
 - Ts Sedimentary rocks (Tertiary)
 - Trf Rhyolite flows (Pliocene)
 - Tra Rhyolite ash flows (Pliocene)
 - Trt Rhyolite tuff and sedimentary deposits (Pliocene)
 - Tr Intrusive rhyolite (Pliocene)
 - Tg Gravel (Tertiary)
 - Tls Limestone
 - Tlc Limestone conglomerate and sandstone (Tertiary)
 - Tl Lacustrine deposits (Tertiary)
 - Mrs Rest Spring Shale (Mississippian)
 - Mp Perdido Formation (Mississippian)
 - Dib Lost Burro Formation (Devonian)
 - DShv Hidden Valley Formation (Devonian and Silurian)
 - Oes Ely Spring Dolomite (Ordovician)
 - Oe Eureka Quartzite (Ordovician)
 - Opa Pogonip Group (Ordovician)
 - Opa Antelope Valley Limestone
 - Opl Lower Pogonip Group, undivided
 - En Nopah Formation (Late Cambrian)
 - End Dunderberg Shale Member
 - Ebk Bonanza King Formation (Late and Middle Cambrian)
 - Ec Carrara Formation (Middle Cambrian)
 - Ez Zabriskie Quartzite (Middle and Early Cambrian)
 - Ewc Wood Canyon Formation (Early Cambrian)
 - Ewcl Limestone member
- Contact—Long dashes where approximately located, short dashes where inferred
- - - Fault—Long dashes where approximately located, short dashes where inferred, dots where concealed. Ball and bar on downthrow side. Arrow indicates direction of dip
- ▲▲▲▲ Thrust fault—Sawtooth on upper plate. Bar and sawtooth indicate overturned thrust, sawtooth in direction of dip
- ▬▬▬ Low-angle normal fault—Hachures on upper plate
- Strike and dip of bedding**
- ↘ Inclined
 - ↙ Overturned
 - ⊥ Vertical
- Strike and dip of flow layers in volcanic rocks**
- ↘↘↘ Strike
 - ↙↙↙ Dip
- Fold axes showing trace of axial plane**
- ↖↗ Anticline—Arrows show direction of dip of limbs
 - ↘↙ Syncline—Arrows show direction of dip of limbs
 - ↖↗ Overturned anticline—Arrows show direction of dip of limbs
 - ↘↙ Minor anticline showing direction of plunge
- Bearing and plunge of lineation**
- × 10922-50 Fossil locality showing USGS fossil locality number
 - ▲ 4-010.3-76 K-Ar age sample locality showing age
 - ⊙ Prospect
 - ⊙ Adit
 - ⊙ Open-cut mine
 - ⊙ Brecciated rock



GEOLOGIC MAP OF THE LAST CHANCE QUADRANGLE, CALIFORNIA AND NEVADA

BY
CHESTER T. WRUCKE AND KEVIN P. CORBETT
1990

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