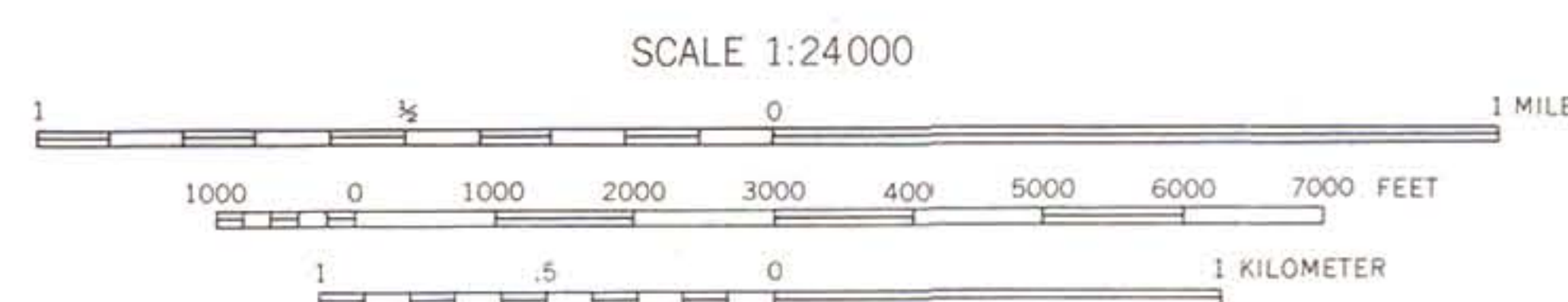
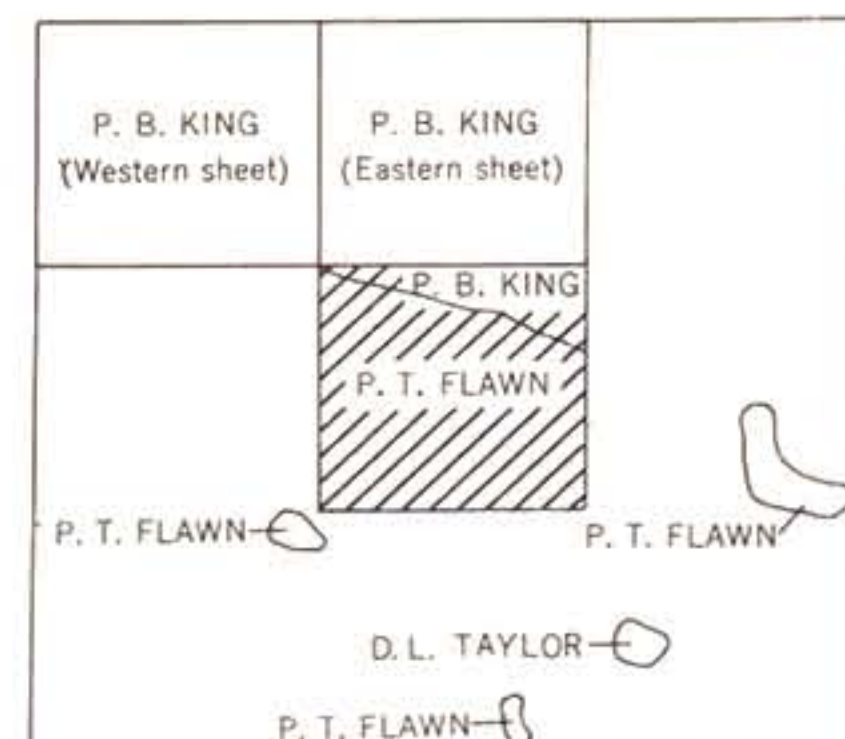


- EXPLANATION**
- QUATERNARY**
- Qal Alluvial deposits
 - Qg Younger alluvium, Qal and older gravel deposits, Qg dissected by present drainage
- UNCONFORMITY**
- INTRUSIVE RELATIONS INFERRED**
- CRETACEOUS**
- pCc Cox sandstone
 - pCc Thick-bedded, medium-grained sandstone, in part publicly
 - pCc Campanian limestone
 - pCc Thin-bedded limestone, with interbedded marl, sandstone, and conglomerate
- MAJOR UNCONFORMITY**
- PERMIAN**
- Ph Hueco limestone
 - Ph Thin to thick-bedded, compact, sphaerulitic, gray, shaly, cliff-making limestone; with Pecos member at base, Ph, of blue to coarse-grained, soft red and brown, conglomeratic sandstone that locally includes pebbles and cobbles conglomerate
- MAJOR UNCONFORMITY**
- PRE-CAMBRIAN (?)**
- pCc Van Horn sandstone
 - pCc Medium to coarse-grained cross-bedded red and brown feldspathic sandstone and siltstone; includes pebbles and cobbles conglomerate in lower portions
- MAJOR UNCONFORMITY**
- SEQUENCE BROKEN**
- Granodiorite**
- pCc Fine-grained, closely jointed, orthoclase-altered rock
 - pCc Amphibolite
 - pCc Fine to coarse-grained green to black amphibolite, in part massive, in part schistose; includes local light-colored feldspathic facies, etc.
 - pCc Metachert
 - pCc Cataclastically altered rhyolite, including mylonitized zone; shows well-developed planar and linear structures
- INTRUSIVE RELATIONS**
- PRE-CAMBRIAN**
- Carrizo Mountain group**
- pCc Limestone
 - pCc Fine-grained hard brown chlorite-quartz-albite-ecolite rock
 - pCc Phyllite
 - pCc Blue-gray phyllite locally showing slaty cleavage
 - pCc Mixed units
 - pCc Mostly inter-layered, sericitic schist, metapelite, chert, phyllite, slate, and limestone. There are four mixed units in the sequence, etc.
 - pCc Quartz-feldspathic rocks
 - pCc Feldspathic metapelite and meta-schist. There are six quartz-feldspathic units in the sequence, etc.
 - pCc Chlorite-mica schist
 - pCc Mostly dark fine-grained chlorite-sericitic schist; includes thin layers of phyllite, slate, meta-schist, and limestone
- Metachert (sericitic rock)**
- *Explanation indicates lithologic type only and is not a complete stratigraphic sequence. There are 4 mixed units and 5 quartz-feldspathic units within the sequence.**
- Letter symbols indicating lithologic subdivisions of pre-Cambrian formations are shown separately from formation symbols where outcrop belts are closely spaced**
- Contact of lithologic units**
- Dotted where concealed, dashed where inferred.
- Scarp-making beds**
- Fault**
- Dotted where concealed, dashed where inferred; D, downthrown side; U, upthrown side.
- Apparent strike-slip fault**
- Arrows show apparent movement only.
- Fracture**
- Fault of small displacement or strong joint; traced from aerial photographic.
- Breccia zone**
- Strike and dip of beds**
- Horizontal beds**
- Strike and dip of foliation**
- Where observed in the Carrizo Mountain group bedding is parallel to foliation and a separate bedding symbol is not shown.
- Strike of vertical foliation**
- Strike and plunge of lineation in the plane of foliation**
- X Prospect shaft or pit
 - W Windmill
 - E Erosion control dike

Base from U. S. Geological Survey aerial photographs and ground control.
Polyconic projection.



Geology by P. T. Flawn and D. L. Taylor, 1950,
and by P. B. King, 1936-1939
Cartography by J. W. Macon and Ann Connor

GEOLOGIC MAP OF PRE-CAMBRIAN ROCKS OF THE CARRIZO MOUNTAINS, HUDSPETH AND CULBERSON COUNTIES, TEXAS