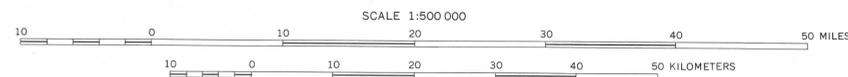


- EXPLANATION**
- FRONTAL FOLD AND THRUST ZONE
  - GRASSHOPPER THRUST PLATE
  - MEDICINE LODGE THRUST PLATE
  - YELLOWJACKET FORMATION—Inferred to be autochthonous beneath the Medicine Lodge thrust plate
  - GRANITIC ROCKS
  - AUGEN GNEISS
  - CONTACT, APPROXIMATELY LOCATED
  - FAULT, APPROXIMATELY LOCATED—Dashed where inferred or concealed; bar and ball on downthrown side; arrows show direction of lateral movement
  - REVERSE FAULT, APPROXIMATELY LOCATED—Dashed where inferred or concealed; teeth on upthrown block; arrows show direction of lateral movement
  - EDGE OF MAJOR THRUST PLATE OR THRUST ZONE—Dashed where inferred or concealed; queried where uncertain; sawteeth on upper plate
  - MINING DISTRICT



Base from U.S. Geological Survey Idaho and Montana State bases, 1968

1982 MAGNETIC DECLINATION AT CENTER OF EAST EDGE TO CENTER OF WEST EDGE VARIES FROM 16½° TO 17½°



SCALE 1:500 000  
CONTOUR INTERVAL 500 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Outline of Pioneer batholith from mapping by L. W. Shea, E-an Zen, and R. W. Pearson.  
Other sources are published geologic maps mentioned in text

**MAP OF PRINCIPAL KNOWN AND INFERRED FAULTS, SOUTHWEST MONTANA AND EAST-CENTRAL IDAHO**