

**EXPLANATION**

**QUATERNARY**

- Qa Alluvium
- Qt Talus
- Qr Rock glacier
- Landslide deposits
- Block rubble
- Qly Funglomerate
- Qlv Funglomerate
- Qo Funglomerate
- Qs Eolian sand and silt
- Qp Terraced gravel
- Qm Eolian sand and silt

**CRETACEOUS OR TERTIARY**

- TKs Spessartite lamprophyre
- TKcm Quartz monzonite porphyry
- TKg Diorite porphyry
- TKm Grandiorite porphyry
- TKd Diorite porphyry
- TKm Microgabro

**CRETACEOUS**

- Kp Point Lookout Sandstone
- Km Mancos Shale
- Kmsj, sandstone unit and Juana Lopez Member
- Kd Dakota Sandstone
- Kb Burro Canyon Formation
- Km Morrison Formation
- Jc Junction Creek Sandstone
- Js Summerville Formation
- Je Entrada Sandstone
- Jm Navajo Sandstone

**UNCONFORMITY**

**CONTACT**

**THrust fault**

**High-angle fault, showing dip**

**Shear zone**

**Anticline**

**Syncline**

**Strike and dip of beds**

**Strike and dip of overturned beds**

**Strike and dip of cleavage**

**Strike and dip of planar flow structure**

**Bearing and plunge of lineation**

**Vertical lineation**

**Horizontal lineation**

**Structure contours**

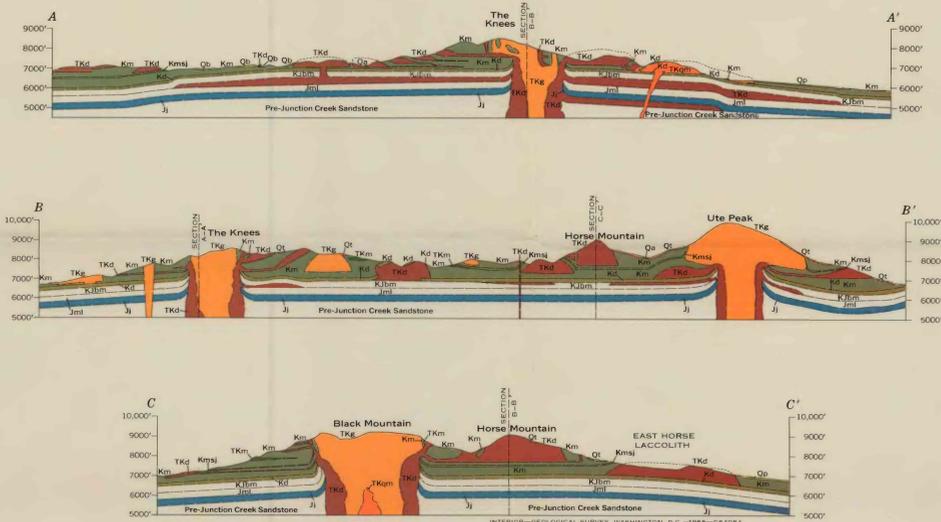
**Location of measured section**

- Adit
- Prospect
- Gravel pit
- Mine
- Dry hole
- Dry hole having show of oil
- Gas well
- Spring

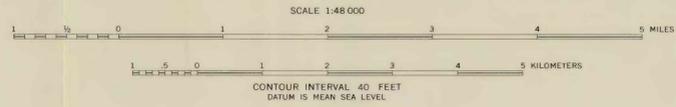
**UNIT SYMBOLS SHOWN ONLY ON SECTIONS:**  
KJm, Burro Canyon Formation and Brushy Basin Member of Morrison Formation.  
Jm, Westwater Canyon Sandstone, Recapture Shale, and Salt Wash Members of Morrison Formation.

LOCATION OF IRWIN LACCOLITH

Geology mapped by E. B. Ekren and F. N. Houser, 1956-56



**GEOLOGIC MAP AND SECTIONS OF THE UTE MOUNTAINS AREA, COLORADO**



APPROXIMATE MEAN DECLINATION, 1965

Base from U.S. Geological Survey topographic quadrangles