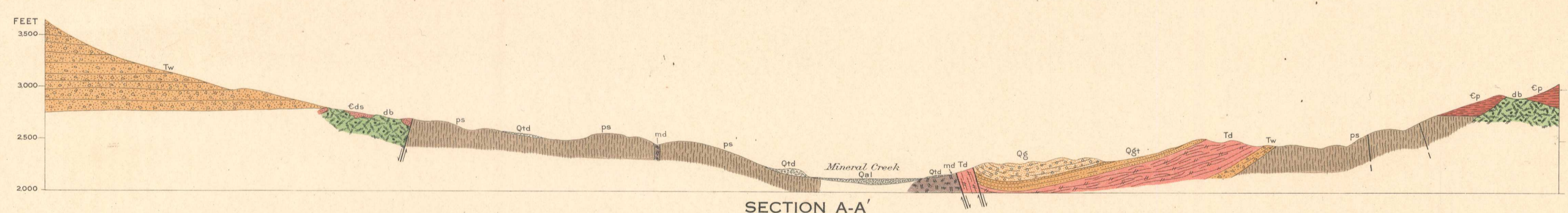
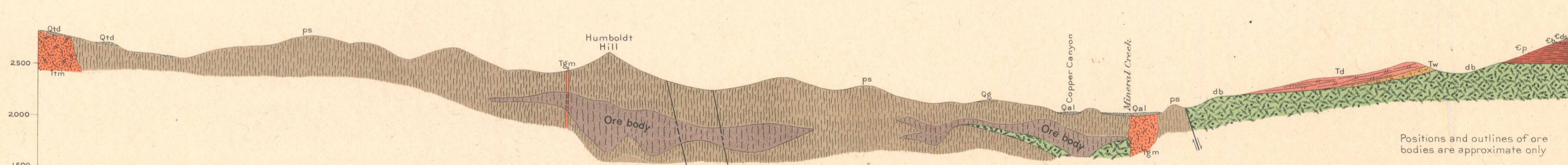


- EXPLANATION**
- SEDIMENTARY ROCKS**
(Areas of subaqueous deposits are shown by patterns of parallel lines; subaerial deposits by patterns of dots and circles; metamorphisms are indicated by hachures)
- Recent**
- Qal Alluvium (gravel, sand, and silt along present stream ways)
 - Qtd Terrace deposits (unconsolidated, angular and gravelly detritus derived from adjacent hill slopes and dissected by present streams)
- Pleistocene**
- Og Gila conglomerate (irregularly bedded, coarse in places near the mountains, grading into fine silt, probably in part lacustrine in origin; local basal portion of well stratified soft and micaceous beds, Og')
- UNCONFORMITY**
- Tertiary**
- Et Whitetail conglomerate (subangular fragments chiefly of chert, limestone, and limestone associated by streams and in hill-side wash)
- UNCONFORMITY**
- Apache group**
- Et Troy quartzite (crystalline, chiefly thick bedded, but thin, irregular beds, marked with worm casts in upper portion)
 - Eds Dripping Spring quartzite (fine grained, ripple marked and quartzite, much of it bedded dark red and gray)
 - Cb Barnes conglomerate (coarse, well rounded, quartzite pebbles in arkosic matrix)
 - Cp Pioneer shale (dark, reddish brown, spotted with yellow and into arkosic quartzite at base; thin bedded, irregularly bedded, and highly micaceous)
- GREAT UNCONFORMITY**
- Metamorphic rocks**
- ps Pinal schist (chiefly fine grained quartz, sericite schist, and micaceous fine arkosic sandstone, in some common, very probably an altered Rhyolite, par)
- IGNEOUS ROCKS**
(Areas of igneous rocks are shown by patterns of triangles and diamonds)
- Td Dacite (dark, massive flow with a little buff base)
 - Tqmd Dikes of quartz monzonite porphyry and quartz diorite porphyry
 - Tm Teapot Mountain porphyry (dikes and irregular intrusive masses of quartz monzonite porphyry)
 - Tgm Granite Mountain porphyry (irregular intrusive masses of quartz monzonite porphyry)
 - Tqd Quartz diorite (intrusive mass)
 - db Diabase (typically a medium grained, white, albite diabase or diorite, irregular with many cross-cutting connections)
 - md Madera diorite (quartz-mica diorite, irregularly grading locally into granodiorite or quartz monzonite; in places granodioritic, irregular bedded, and highly micaceous in the Pinal schist of the Pinal Range)
 - gr Granite (diabase granite, generally coarse porphyritic and crumpled, batholithic, irregular masses extensively exposed in the Pinal Range)
- Approximate outline of ore-bearing area**
- Known fault
 - Probable fault
 - Concealed fault (covered by younger deposits)
- Other symbols:**
- Dip of fault plane
 - Overthrust side of thrust fault
 - Strike and dip of stratified rocks
 - Mine shaft
 - Mine tunnel
 - Prospect



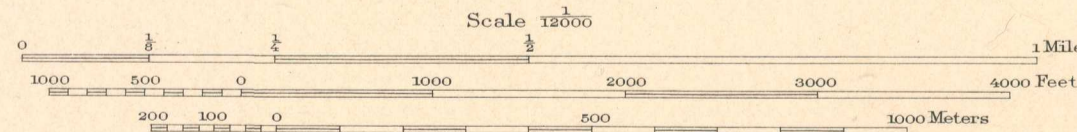
SECTION A-A'



SECTION B-B'

R. B. Marshall, Chief Geographer.
T. G. Gerdine, Geographer in charge.
Topography by W. M. Beaman.
Control by T. M. Bannon and Thomas Winsor.
Surveyed in 1910.
Culture revised in 1917 by W. M. Beaman.

APPROXIMATE MEAN DECLINATION 1922



Scale 1:2500
Contour interval 25 feet.
Datum is mean sea level.
Edition of April 1922.

Geology by F. L. Ransome and J. B. Umpleby.
Surveyed in 1910 and 1911.