



EXPLANATION

- Qac**
Quaternary alluvium and colluvium
- Tm**
Tertiary Muddy Creek Formation
- Tmf**
Tertiary Muddy Creek Formation
Tm, sedimentary rocks and Fortification
Basalt Member undivided
Tmf, Fortification Basalt Member
- TKg**
Tertiary and Cretaceous(?) Gale Hills Formation
- Ja**
Jurassic(?) Aztec Sandstone
- Tcm**
Triassic Chinle and Moenkopi Formations
- Pr**
Permian rocks
Include, in descending order, Kaibab Limestone,
Toroweap Formation, Coconino(?) Sandstone,
red beds, and upper part of Callville(?) Lime-
stone
- pCr**
Precambrian rocks
- Ti** **Tv**
Tertiary rocks of the
Hamblin-Cleopatra volcano
Ti, intrusive rocks; line indicates dike
Tv, volcanic rocks
- Tui** **Tuv**
Tertiary unassigned volcanic
and intrusive rocks
Tui, intrusive rocks
Tuv, volcanic rocks
- Contact**
Dashed where approximately located
- Fault, showing dip**
Dashed where approximately located;
dotted where concealed. Bar and
ball on downthrown side; arrows
indicate direction of relative lateral
movement
- Syncline, showing direction of plunge**
- Anticline, showing direction of plunge**
- Structural form lines drawn on
fractures, dikes, or intrusive
contacts in the Wilson Ridge
pluton**
- Inclined Vertical Horizontal**
Strike and dip of bedding and
flow layering

SCALE 1:62 500

1 1/2 0 1 2 3 4 MILES

1 1/2 0 1 2 3 4 KILOMETERS

CONTOUR INTERVAL 80 FEET
DOTTED LINES REPRESENT HALF-INTERVAL CONTOURS
DATUM IS MEAN SEA LEVEL

**GEOLOGIC MAP OF THE NORTHERN EXTREMITY
OF THE BLACK MOUNTAINS, NEVADA**