



EXPLANATION

- SURFICIAL DEPOSITS**
- Chiefly colluvial deposits and residual soils
 - Chiefly boulder fields; to part rock slides
 - Alluvium
 - Gravel deposits
- IGNEOUS ROCKS**
- Basaltic porphyry
On Mount Pennell porphyry includes some monzonitic porphyry
 - Monzonitic porphyry
Restricted to Mount Pennell
 - Stratified igneous rocks irregularly intruded by igneous materials
- SEDIMENTARY ROCKS**
- Emergy sandstone member
 - Blue Gate shale member
 - Fernald sandstone member
 - Tombak shale member
 - Dakota sandstone
- UNCONFORMITY**
- Morrison formation
 - Summersville formation
 - Curtis formation
Restricted to northwestern Mount Ellen
 - Bonanza sandstone
 - Carnell formation
- CONTACTS**
- Contact, showing dip
 - Dashed where approximately located
 - Vertical contact
 - Surficial deposit contact
 - Fault, showing dip
 - Unconformity; D. downthrown side; U. upthrown side
Dashed where approximately located, dotted where concealed
 - Axis of anticline
 - Strike and dip of beds
 - Strike and dip of overturned beds
 - Strike of vertical beds
 - Horizontal beds
 - Approximate direction of dip

GEOLOGIC MAP OF MOUNT ELLEN AND MOUNT PENNELL, HENRY MOUNTAINS, UTAH

Scale 1:11,680
Contours interval 200 feet
Distances in feet and miles

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