



EXPLANATION

**QUATERNARY**

- Qal Alluvium
- Qsv Sevier formation
- Qc Chota formation
- Qt Tellico formation
- Qb Blockhouse shale
- Ql Lenoir limestone

**ORDOVICIAN**

**DISCONFORMITY**

- Ok Knox group

**SEQUENCE BROKEN**

- Cs Shady dolomite
- Chm Helenmode formation
- Ch Hesse sandstone
- Cm Murray shale
- Cnb Nebo sandstone
- Cn Nichols shale
- Cc Cochran formation

**PROBABLY DISCONFORMITY**

- pCs Sandsuck formation

**SEQUENCE BROKEN**

- pCwu Wilhite formation
- pCsh Shields formation
- pCl Licklog and Licklog(?) formation

**QUATERNARY**

- pCus Unnamed sandstone

**Great Smoky group**

- Anakeesta formation

**Thunderhead sandstone**

**Elkmont sandstone**

**SEQUENCE BROKEN**

- Western part of area: pCc Cades sandstone
- Eastern part of area: pCr Rich Butt sandstone

**SEQUENCE BROKEN**

- pCm Metcalf phyllite
- pCrP Pigeon siltstone
- pCrR Roaring Fork sandstone

**BASE CONCEALED**

- Intrusive igneous rocks
- Am Metadiorite

**CONTACT**

**FAULT**

**Transcurrent or tear fault**

**Unclassified high-angle fault**

**Thrust fault**

**Great Smoky fault**

**Greenbrier fault**

**Faults at bases of intermediate slices beneath Greenbrier fault**

**Anticline**

**Syncline**

Base map by Tennessee Valley Authority  
and U.S. Geological Survey, 1953

GENERAL GEOLOGIC MAP OF CENTRAL GREAT SMOKY MOUNTAINS, TENNESSEE

SCALE 1:62 500

1 1/2 0 1 2 3 4 5 MILES

1 5 0 1 2 3 4 5 KILOMETERS

CONTOUR INTERVAL 100 FEET