

INTRUSIVE AND PLUTONIC ROCKS

- TRIASIC**
- Diabase
- Age relationships between the Alleghene plutonic rocks in the different tectonic units are unknown. Rock units in the Charlotte belt and the Smith River allochthon are in their probable stratigraphic order.
- Granitic rock of the Charlotte belt
- Mafic rock of the Charlotte belt
- Granitic rock of the Inner Piedmont belt
- Granitic rock and migmatite of the Smith River allochthon
- Granitic rock of the Smith River allochthon
- Mafic rock of the Smith River allochthon
- Service Pine plutonic group
- Felsite
- PALEOZOIC**
- Age relationships between ultramafic rock and metagabbro are unknown.
- Ultramafic rock
- Metagabbro
- PRECAMBRIAN AND/OR PALEOZOIC**
- Greenschist plutonic-volcanic group
- Major unconformity
- Eik Park plutonic group

SEDIMENTARY ROCKS

- TRIASIC**
- Clastic sedimentary rocks
- Price Formation and Matory Shale
- Devonian rocks undivided
- Silurian rocks undivided
- Juniata Formation
- Marlburg Shale
- Massena Formation
- Knox Group
- Conasauga Group
- Reno Formation
- Shady Dolomite
- Erwin and Hampton Formations
- Unicoi Formation
- MISSISSIPPIAN**
- SILURIAN THROUGH MISSISSIPPIAN**
- DEVOVICIAN**
- Charlotte Hill Formation, Elk Valley Formation and Falser Limestone
- Geiler, Matheson, and Tombs Limestones
- CAMBRIAN**
- Upper Cambrian
- Middle Cambrian
- Lower Cambrian
- Chickamauga Group

STRATIFIED ROCKS
NETAMORPHOBED SEDIMENTARY AND VOLCANIC ROCKS

- Stratigraphic relationships of the following units are unknown.
- Gneiss and schist of the Smith River allochthon
- Amphibolite and quartz-feldspar gneiss
- Quartz and schist of the Charlotte belt
- Chlorite schist
- Amphibolite
- Biotite gneiss and biotite-amphibole gneiss
- Allygate Rock Formation
- Major unconformity
- Physochloa schist and gneiss complex

ALTERED CATACLASTIC ROCKS

- Milified breccia zone

EXPLANATION

- 048.1974
Map I-709-B
Sponsored by
RANKINS
S. A. W.
NEUMAN
- 048.1974
Map I-709-B
- Contact
- Fault
- Major thrust fault
- Minor thrust fault
- Planar symbols and linear symbols may be combined with each other
- Inclined
- Strike and dip of bedding
- Strike and dip of foliation parallel to compositional layering
- Inclined
- Strike and dip of foliation
- Strike and dip of slip cleavage
- Bearing and plunge of mineral alignment, stretching or streaking
- Bearing and plunge of axis of minor fold or oronulation
- Swath and plunge of axis of minor fold or oronulation
- Swath in Folsom and parts of the slide province

USGS LIBRARY - RESTON
3 1818 00088661 2

M(200)
R590
no. 74-1030
sheet 2 of 2.1
U.S. GEOLOGICAL SURVEY
WASHINGTON
MAR 9 1974
LIBRARY

U. S. Geological Survey
OPEN FILE MAP
This map is preliminary and has
not been edited for conformity
with Geological Survey standards
of nomenclature.

North Carolina (Winston-Salem quadr., east). Sheet 1:200,000, 1974.
sheet 2
Cap. 1