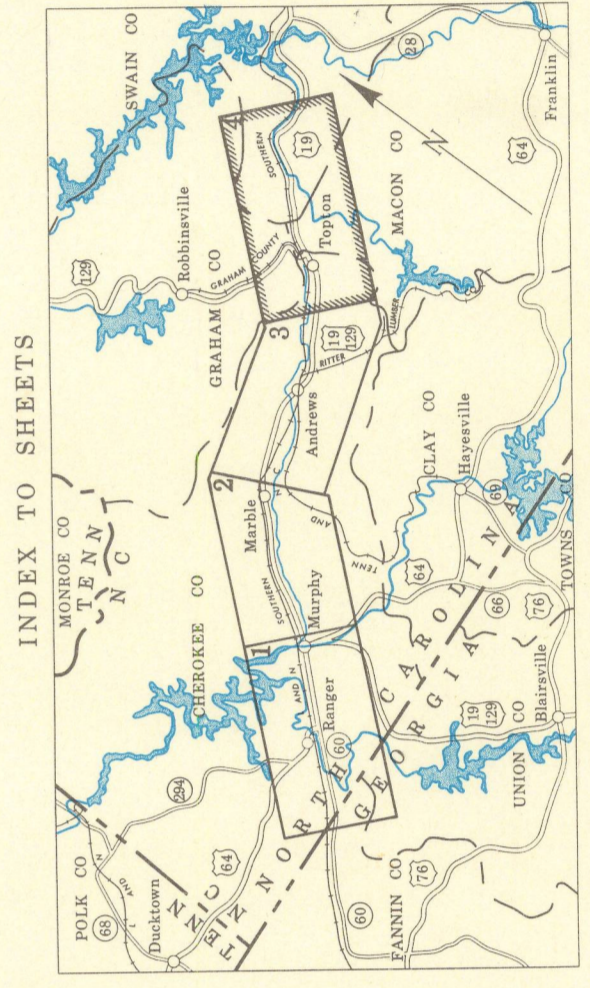


LEGEND

- Diabase  
(Dark gray, fine-grained, contains pyroxene, amphibole, and plagioclase; occurs in small outcrops near Nantahala River)
- Phyllites and mica schist  
(Usually dark, fine-grained, contains pyroxene, amphibole, and plagioclase; occurs in small outcrops near Nantahala River)
- Murry marble  
(Dark banded gneiss with local garnet; phyllites, phylloporphyroblasts, and amphibole; occurs in small outcrops near Nantahala River)
- Quartzite gneiss  
(Generally massive, quartzitic, arkose or lower; has distinctive flagging in certain beds)
- Chert, thin white  
(Occurs in small outcrops with abundant quartzite; arkose or lower; has distinctive flagging in certain beds)
- Quartzite schist  
(Generally massive, quartzitic, arkose or lower; has distinctive flagging in certain beds)
- Quartzite schist with abundant quartzite  
(Generally massive, quartzitic, arkose or lower; has distinctive flagging in certain beds)
- Quartzite schist with abundant quartzite and quartzite schist  
(Generally massive, quartzitic, arkose or lower; has distinctive flagging in certain beds)
- Quartzite schist with abundant quartzite and quartzite schist  
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(Generally massive, quartzitic, arkose or lower; has distinctive flagging in certain beds)
- Quartzite schist with abundant quartzite and quartzite schist  
(Generally massive, quartzitic, arkose or lower; has distinctive flagging in certain beds)
- Talc prospect  
(Thin veins)
- Strata and dip of rocks  
(Strike and dip of foliation, with plunge of lineation (downdip intersection))
- Inclined fold axis
- Horizontal fold axis



**GEOLOGIC MAP**  
**TALC DEPOSITS OF**  
**MURPHY MARBLE BELT**  
 NORTH CAROLINA DEPARTMENT OF CONSERVATION AND DEVELOPMENT  
 DIVISION OF MINERAL RESOURCES  
 IN COOPERATION WITH  
 TENNESSEE VALLEY AUTHORITY  
 COMMERCE DEPARTMENT - MINERALS SECTION  
 SCALE 1:24,000

5,000 Feet  
 1 Mile  
 1947