

GEOLOGIC MAP OF REGION J, NORTH CAROLINA

by
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Scale
0 1 2 3 4 5 miles
1975
Revised
1981

LEGEND

<p>IGNEOUS ROCKS</p> <p>Mesozoic</p> <p>Triassic</p> <p>Diabase diabase dike, dd; diabase sill, ds</p> <p>Upper Paleozoic to Middle Paleozoic</p> <p>Felsic igneous complex Mafic igneous complex Ultramafic rocks</p> <p>SEDIIMENTARY ROCKS</p> <p>Recent</p> <p>Floodplain alluvium Gravel deposit (alluvial)</p> <p>Devonian to Cenozoic</p> <p>Coastal Plain sands and clays, unconsolidated Gravel deposits (terrace ?) Limonitic sediment</p> <p>Mesozoic</p> <p>Triassic</p> <p>Sanford Formation, fanglomerate Sanford Formation Cumock Formation Pekin Formation Pekin Formation, basal conglomerate</p>	<p>METASEDIMENTARY AND METAVOLCANIC ROCKS</p> <p>Argillite Arkose Graywacke Wacke conglomerate Rhyolite flows Rhyolite tuffs Felsic crystal tuffs and felsic tuffs Felsic crystal-litic tuffs Andesitic-dacitic tuffs Andesitic crystal tuffs Andesitic crystal-litic tuffs Andesite flows Mafic tuffs Basalt flows Sericite phyllite Phyllite, meta-arkose and greenstone Hornblende gneisses mica gneisses and schists Felsic gneisses; graphitic schist, gs</p>
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SYMBOLS

Contact
Dashed where approximately located;
dotted where concealed by Coastal Plain sediments

Gradational contact

Shear zone

Anticline Syncline

Fault
Dashed where approximately located; U, upthrown side; D, downthrown side

Strike and dip of bedding
Strike and dip of vertical bedding
Strike and dip of cleavage

Strike and dip of vertical cleavage
Strike and dip of foliation
Strike and dip of vertical foliation

Potential quarry sites

MINERAL RESOURCES

EXPLANATION

Active Mine
Inactive Mine

Au Gold
C Coal
Cr Chromite
CS Crushed Stone
Cu Copper
DS Dimension Stone
Fe Iron
G Gneiss
Gr Gravel
Gp Graphite
Mn Manganese
Py Pyrophyllite
S Sand
SG Sand & Gravel
Sh Clay & Shale
So Soapstone

Clay and Shale Sample Locations

◆ Test results indicate potential use as brick or tile
● Test results indicate no potential use as brick or tile

Feldspar Sample Locations

◇ Test results indicate economic potential as source of high-potassium feldspar
○ Test results indicate no economic potential as source of high-potassium feldspar

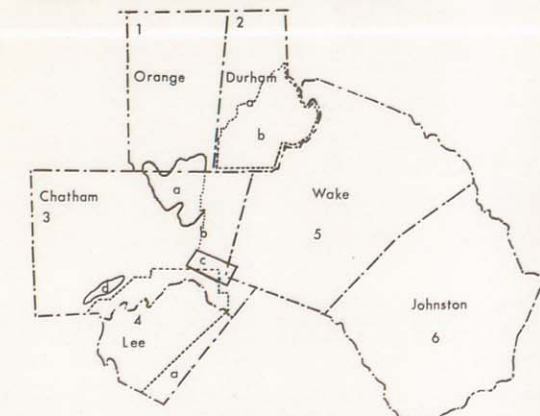
Mica Schist Sample Locations

● Test results indicate no potential as source of mica

Site of Potentially Economic Mineral Deposit

CS Crushed Stone
Fe Iron
K Kyanite
Mn Manganese
Pg Pegmatite
S Sand
V Veins of rare antimony & bismuth sulphides & copper, lead & molybdenum

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- W. F. Wilson and P. A. Carpenter, III
a. H. D. Wagner
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c. J. A. Ballard
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