

# STATE OF GEORGIA

DEPARTMENT OF NATURAL RESOURCES

Joe D. Tanner, Commissioner

ENVIRONMENTAL PROTECTION DIVISION

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GEORGIA GEOLOGIC SURVEY

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# MINERAL RESOURCE MAP

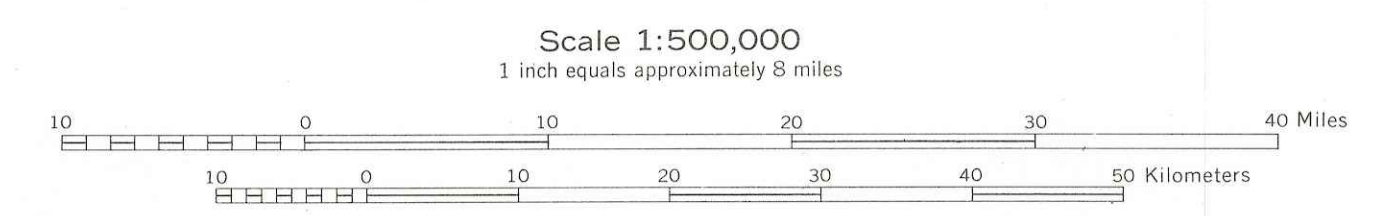
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Compiled by geologists of the Georgia Department of Mines, Mining and Geology from published and unpublished work by A. S. Furcron, James W. Smith, S. M. Pickering, Jr., Martha A. Green, J. H. Avall, J. W. Furlow, former Department geologists, graduate students sponsored by the Department, and the U.S. Geological Survey and Bureau of Mines.

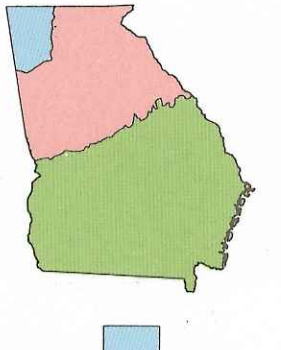
Cartography by Willis G. Hester and Charles E. Williamson



Base map by U.S. Geological Survey



### GEOLOGIC DIVISIONS OF GEORGIA



PALEOZOIC SEDIMENTS  
MESOZOIC AND CENOZOIC SEDIMENTS

### EXPLANATION

PALEOZOIC SEDIMENTS (AREAS INDICATE CONCENTRATIONS OF MINES AND PROSPECTS)

- BARITE
- BARITE, CHLORITE
- BAUXITE
- COAL, SANDSTONE, SHALE
- DOLOMITE, CHERT, MARBLE
- FLAGSTONE
- GRAVEL
- HALLOYSITE
- IRON, MANGANESE
- LIMESTONE, MARBLE
- LIMESTONE, DOLOMITE, CLAY, MARBLE
- MANGANESE
- PYRITE
- SANDSTONE, SHALE
- SHALE, CLAY
- SLATE
- TRIPLEX
- URANIUM

IGNEOUS AND METAMORPHIC ROCKS (AREAS INDICATE CONCENTRATIONS OF MINES AND PROSPECTS)

- AMPHIBOLE
- AMPHIBOLE, CORDIERITE, SOAPSTONE, TALC, VERMICULITE
- BARITE
- BAUXITE
- BERYL
- CHROMITE
- CLAY (SERPENTINE)
- CORUNDUM
- FELDSPAR
- FELDSPAR, BERYL
- FLAGSTONE
- GRANITE AND RELATED ROCK AREAS
- GRANITE AND RELATED ROCK OUTCROPS
- IRON
- IRON, MANGANESE
- MANGANESE
- MARBLE
- mica
- OLIVINE
- QUARTZITE
- SAND
- SERPENTINE
- SILLIMANITE
- SLATE
- SOAPSTONE
- SOAPSTONE (IRON, COPPER, ETC.)
- TALC
- TRIPLEX
- VERMICULITE

MESOZOIC AND CENOZOIC SEDIMENTS (AREAS INDICATE REGIONS OF MINERAL OCCURRENCE)

- BAUXITE
- FULLER'S EARTH
- GRAVEL
- HEAVY MINERALS
- HEAVY MINERALS (MOST FAVORABLE PARAMETERS TO OCCURRENCE AREAS)
- HEAVY MINERALS (MOST FAVORABLE PARAMETERS TO OCCURRENCE AREAS) (WATER CONCENTRATION EFFECTS AND SOIL DRAIN CONTEXT)
- HEAVY MINERALS (TUFF DOTS SHOWING MORE THAN 1% HEAVY MINERALS)
- LIGNITE
- LIMESTONE
- PEAT
- PROSOPATE (EXTENT OF PROSOPATE MINING)
- PROSOPATE (AREAS OF PROSOPATE CONCENTRATION)
- PROSOPATE (MODERATE PROSOPATE, 100-1000 TONS PER ACRE)
- PROSOPATE (EXPLORATION HOLES SHOWING MORE THAN 0% WET)
- SAND