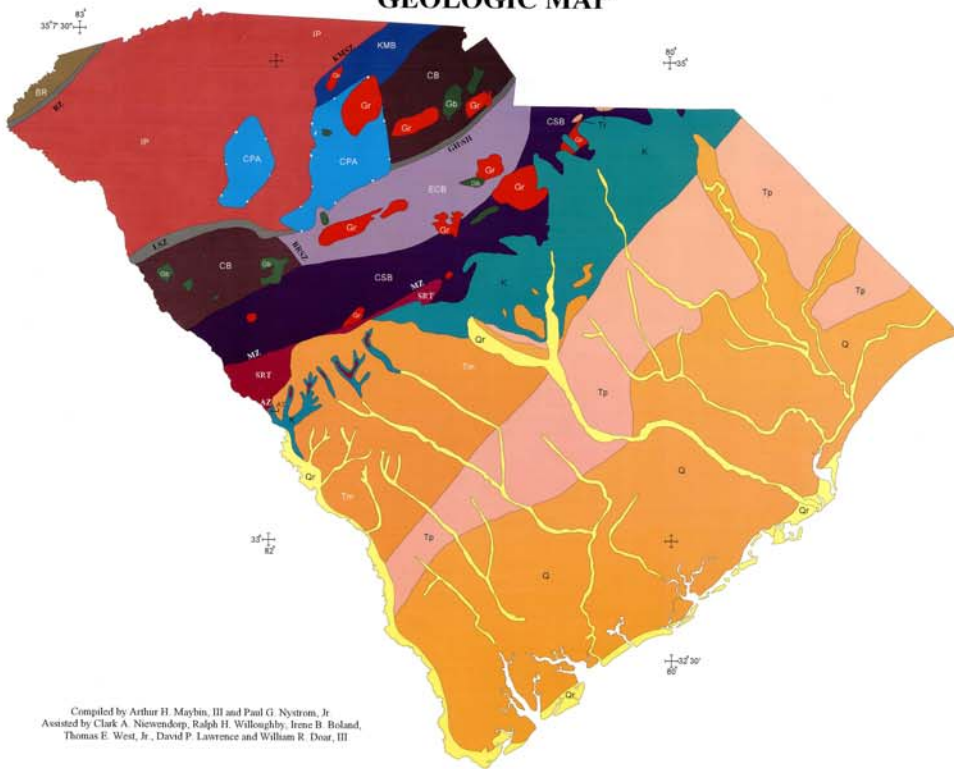


GEOLOGIC MAP



Computed by Arthur H. Maybin, III and Paul G. Nystrom, Jr.
Assisted by Clark A. Nieuwendorp, Ralph H. Willoughby, Irene B. Boland,
Thomas E. West, Jr., David P. Lawrence and William R. Doar, III

EXPLANATION

COASTAL PLAIN

- QUATERNARY**
 Qr - Recent - Floodplain and alluvial deposits
 Q - Pleistocene - Marine terrace deposits
- TERTIARY**
 Tp - Paleocene - Marine terrace deposits
- CRETACEOUS**
 K - Upper Cretaceous - Continental and Marine deposits

PIEDMONT

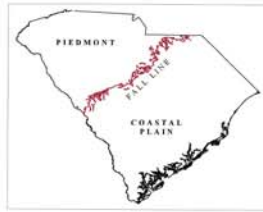
- TRIASSIC**
 Tr - Triassic basins - Continental Deposits
- TERRANES**
- AT - Augusta terrane - Grenvillian facies metasediments and metamorphics previously mapped as Beaufort belt
 - BR - Blue Ridge-Annapolis grade rocks
 - CB - Charlotte terrane - Annapolis grade facies rocks occurring northwest of the Gold Hill-Silver Hill shear zone which are within the original Charlotte belt
 - CSB - Carolina terrane - Grenvillian facies metasediments and metamorphics previously mapped as Carolina sheet belt
 - CPA - Central Piedmont allochthon-Annapolis grade metamorphic rocks previously considered to be portions of the Charlotte belt and Inner Piedmont belt
 - ECB - Eastern Charlotte terrane - Annapolis grade metamorphic rocks characterized by amphibolites and various gneisses and having a different structural signature than the Charlotte terrane. Previously considered as part of the Charlotte belt
 - IP - Inner Piedmont terrane - Annapolis grade metamorphic rocks previously called Inner Piedmont belt
 - KMB - Kings Mountain terrane - Grenvillian to lower amphibolite grade metasediments and metamorphics previously mapped as Keesee belt
 - SRT - Savannah River terrane - Annapolis grade rocks previously mapped as Keesee belt

IGNEOUS ROCK

- Gb - Gabbro
- Gr - Granite

FAULT ZONES

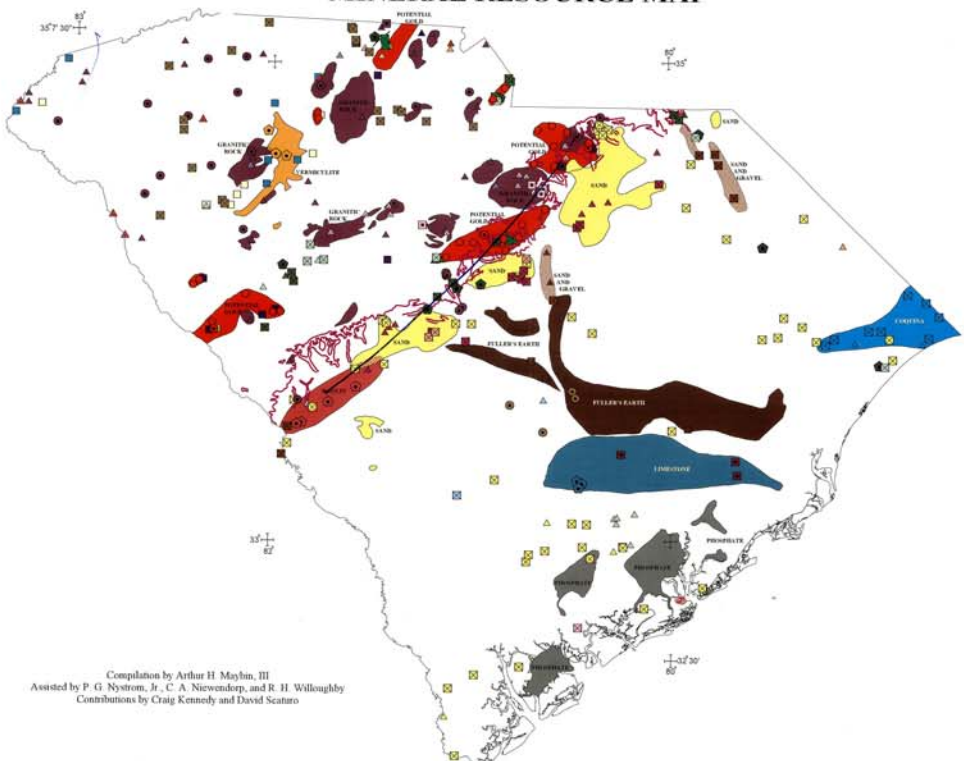
- AZ - Augusta zone
- BZ - Beaufort zone
- BRSZ - Beaufort Basin shear zone
- GH/SH - Gold Hill-Silver Hill shear zone
- KMSZ - Kings Mountain shear zone
- LSZ - Lowndesville shear zone
- MZ - Madsen zone



EXPLANATION

- STATUS ACTIVE**
- Aggregated base
 - Common clay (used for bricks)
 - Crystalline
 - Crystalline metamorphic
 - Crystalline metamorphic or mafic
 - Dimension stone
 - Gabbro
 - Old (pre-1900) mostly drilled
 - Kaolin
 - Lead
 - Marble
 - Metamorphic schist
 - Quartzite
 - Sand and gravel
 - Sand/shaly sand
 - Siliceous sand
 - Weathered slate
- STATUS INACTIVE**
- Aggregated base
 - Common clay (used for bricks)
 - Crystalline
 - Crystalline metamorphic or mafic
 - Crystalline metamorphic
 - Crystalline metamorphic
 - Crystalline metamorphic or mafic
 - Dimension stone
 - Filler's earth
 - Gabbro
 - Kaolin
 - Lead
 - Marble
 - Metamorphic schist
 - Quartzite
 - Sand and gravel
 - Sand/shaly sand
 - Siliceous sand
 - Weathered slate
- OCCURRENCES**
- Granite
 - Quartzite
 - Filler's earth
 - Kaolin, soap or pumice-like
 - Marble
 - Marble - Beaufort copper
 - Talc
 - Talc - Carolina
- INDUSTRIAL PLANTS**
- Rock Plant
 - Concrete plant with quarry
 - Kaolin Plant
 - Vermiculite processing plant
- MINERAL RESOURCES**
- Conglomerate deposits
 - Filler's earth or shallow depth basins to crystalline
 - Areas for potential gold
 - Diabase rock possibly suitable for crushed stone or dimension stone
 - Commercial grade kaolin deposits
 - Lowland or shallow depth possibly suitable for cement or crushed stone
 - Marginal metamorphic schist
 - Area indicated by deposits containing phosphorus
 - Other rocks possibly industrial sand use
 - Possible sand and gravel deposits
 - Rocks containing vermiculite deposits

MINERAL RESOURCE MAP



Compilation by Arthur H. Maybin, III
Assisted by P. G. Nystrom, Jr., C. A. Nieuwendorp, and R. H. Willoughby
Contributions by Craig Kennedy and David Scaturro

Geologic and Mineral Resource Map of South Carolina 1997

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and
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