GENERALIZED GEOLOGIC MAP OF WASHINGTON, D.C. AND VICINITY

by

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Scale 1:500,000
1 inch equals approximately 8 miles

10 0 10 20 30 40 Miles

10 0 10 20 30 40 50 Kilometers

Compiled from the following sources: Eggleton, 1975; Froelich, 1975a, 1975b, 1976; Froelich and Hack, 1975; Lindskold, 1956; Maryland Geological Survey, 1968; Mixon, et al., 1972; Nelson and Force, 1976; Pavlides, 1976, fig. 2; Seiders et al., 1975, figs. 1, 2; Toewe, 1966, plate 1; Virginia Division of Mineral Resources, 1963; and field work by L. R. Bernstein, 1975-1976.

EXPLANATION

IGNEOUS AND METAIGNEOUS ROCKS OF UNCERTAIN AGE

- GRANITIC ROCKS
- MAFIC ROCKS- Gabbro and diorite
- ULTRAMAFIC ROCKS- Serpentinite and steatite

PALEOZOIC

Tcp — CHESAPEAKE AND PAMUNKEY GROUPS

K — CRETACEOUS DEPOSITS UNDIVIDED

STRUCTURE SYMBOLS

- Contact, approximately located
- Fault, approximately located
- Fault, inferred

COASTAL PLAIN AND PIEDMONT

- Ql — LOWLAND DEPOSITS- Gravel, sand, silt, and clay — QUATERNARY OR TERTIARY
- QTu — UPLAND DEPOSITS- Gravel and sand — PLIOCENE(?) MIOCENE TO EOCENE — TERTIARY
- Tc — CHESAPEAKE GROUP- Clay, sandy clay, and diatomite — PALEOCENE TO EOCENE — TERTIARY
- Tp — PAMUNKEY GROUP- Glauconitic-sand, clay, and sandstone — PALEOCENE TO EOCENE — TERTIARY
- MONMOUTH, MATAWAN, AND MAGOTHY FORMATIONS- Glauconitic-sand, clay, and gravel — UPPER CRETACEOUS — CRETACEOUS
- Kp — POTOMAC GROUP- Clay, sand, and gravel — LOWER CRETACEOUS — CRETACEOUS
- MAJOR UNCONFORMITY
- DIABASE — JURASSIC OR TRIASSIC
- NEWARK GROUP- Shale, siltstone, sandstone, and conglomerate — TRIASSIC
- MAJOR UNCONFORMITY
- QUANTICO SLATE- Carbonaceous slate — LOWER PALEOZOIC
- CHOPAWAMSIC FORMATION- Gneiss, schist, and amphibolite — LOWER PALEOZOIC
- IJAMSVILLE AND URBANA FORMATIONS AND MARBURG SCHIST (if)- Phyllite and schist
  SUGARLOAF MOUNTAIN QUARTZITE (sq)
  WAKEFIELD MARBLE (wm) — LOWER PALEOZOIC OR PRECAMBRIAN
- WISSAHICKON FORMATION- Schist and gneiss — LOWER PALEOZOIC OR PRECAMBRIAN
- COCKEYSVILLE FORMATION- Marble — LOWER PALEOZOIC OR PRECAMBRIAN
- SETTERS FORMATION- Quartzite — LOWER PALEOZOIC OR PRECAMBRIAN
- MAJOR UNCONFORMITY
- GNEISS AND GRANITIC ROCKS — PRECAMBRIAN

FREDERICK VALLEY AND BLUE RIDGE

- €o — CAMBRIAN AND ORDOVICIAN ROCKS (including Chilhowee Group)- Limestone, shale, and quartzite — ORDOVICIAN AND CAMBRIAN OR PRECAMBRIAN
- €pfc — CATOCTIN AND SWIFT RUN FORMATIONS (€pfc)- Metabasalt and phyllite
  MARBLE (ml) — CAMBRIAN OR PRECAMBRIAN
- MAJOR UNCONFORMITY
- GNEISS AND GRANITIC ROCKS — PRECAMBRIAN