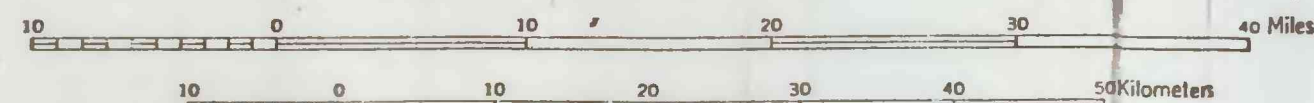




GENERALIZED GEOLOGIC MAP OF WASHINGTON, D.C. AND VICINITY

by
Lawrence R. Bernstein

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



Compiled from the following sources:
Eggleton, 1975; Froelich, 1975a, 1975b, 1976; Froelich and Hack, 1975; Lindskold, 1956; Maryland Geological Survey, 1963; Nixon, 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

Plate 2

Open File 76-849

(200)
R29
m 76-849

IGNEOUS AND METAIgneous ROCKS OF UNCERTAIN AGE

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

PALEOZOIC

CHESAPEAKE AND
PAMUNKEY GROUPS

CRETACEOUS DEPOSITS
UNDIVIDED

STRUCTURE SYMBOLS

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

COASTAL PLAIN AND PIEDMONT

- Q1 LOWLAND DEPOSITS- Gravel, sand, silt, and clay
- QTu UPLAND DEPOSITS- Gravel and sand
- Tep CHESAPEAKE GROUP- Clay, sandy clay, and diatomite
- Tp PAMUNKEY GROUP- Glauconitic-sand, clay, and sandstone
- MONMOUTH, MATAWAN, AND MAGOTHY FORMATIONS- Glauconitic-sand, clay, and gravel
- Kp POTOMAC GROUP- Clay, sand, and gravel

MAJOR UNCONFORMITY

Bjd DIABASE

Rn NEWARK GROUP- Shale, siltstone, sandstone, and conglomerate

MAJOR UNCONFORMITY

sq QUANTICO SLATE- Carbonaceous slate

wm WAKEFIELD MARBLE

wf WISSAHICKON FORMATION- Schist and gneiss

cf COCKEYSVILLE FORMATION- Marble

sf SETTERS FORMATION- Quartzite

MAJOR UNCONFORMITY

GNEISS AND GRANITIC ROCKS

FREDERICK VALLEY AND BLUE RIDGE

- eo CAMBRIAN AND ORDOVICIAN ROCKS (including Chilhowee Group)- Limestone, shale, and quartzite
- ep6c CATOCTIN AND SWIFT RUN FORMATIONS- (ep6c)- Metabasalt and phyllite
- ml MARBLE (ml)
- MAJOR UNCONFORMITY
- GNEISS AND GRANITIC ROCKS

ORDOVICIAN AND CAMBRIAN OR PRECAMBRIAN

PRECAMBRIAN

QUATERNARY
PLIOGENE
MIOCENE TO Eocene
PALEOGENE
UPPER CRETACEOUS
LOWER CRETACEOUS

TRIASSIC

LOWER PALEOZOIC

LOWER PALEOZOIC OR PRECAMBRIAN

PRECAMBRIAN