DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

BULLETIN 1567
PLATE 1

CORRELATION OF MAP UNITS

Qal	Alluvium	Holocene	QUATERNARY
Qt	Terrace	Pliocene and Pleistocene	QUATERNARY
UNCONFORMITY			
Ty	Yorktown Formation	Pliocene	TERTIARY
UNCONFORMITY			
Tsm	"Virginia St. Marys Formation"	Miocene	TERTIARY
UNCONFORMITY			
Tn	Nanjemoy Formation	Eocene	TERTIARY
UNCONFORMITY			
Ta	Aquia Formation	Paleocene	TERTIARY
UNCONFORMITY			
Kp	Potomac Formation	Lower Cretaceous	CRETACEOUS

EXPLANATION OF MAP SYMBOLS

Contact—Approximately located; solid triangle indicates representative exposure. Only one exposure (H–17) is numbered

Fault—Approximately located; dashed where inferred. U, upthrown side; D, downthrown side. In cross sections, paired arrows indicate relative movement

Scarp related to terrace development — Teeth on higher (older) terrace

IV Terrace—Designated I through V, lowest (youngest) to highest (oldest)

• 20 Auger hole and number. See cross section of Trench I and of *D–D'* for location of holes 15, 16, 18–22, 25, and 26

Areas of artificial fill on map are not differentiated from the unit or units immediately surrounding or underlying them

Base from U.S. Geological Survey Chester, Drewrys Bluff, Roxbury, and Westover, 1974; Dutch Gap and Hopewell, 1969

Selected hydrographic data compiled from USC&GS Chart 531 (1969). This information is not intended for navigational purposes

SCALE 1:24 000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 2.6 FEET

UTM GRID AND 1981 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

STUDY AREA LOCATION

Geology mapped in 1978–79

INTERIOR—GEOLOGICAL SURVEY, RESTON, VA.—1987—G87132

GEOLOGIC MAP OF HOPEWELL, VIRGINIA, AND VICINITY