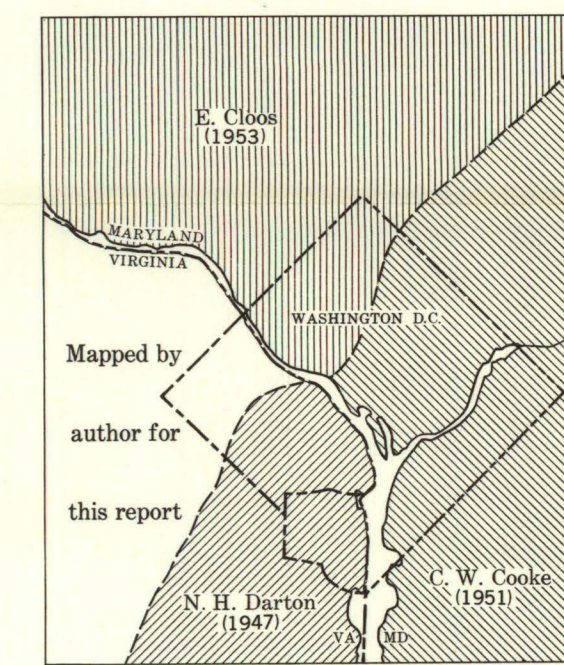
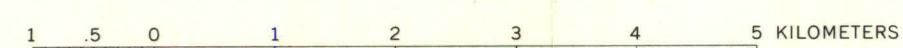
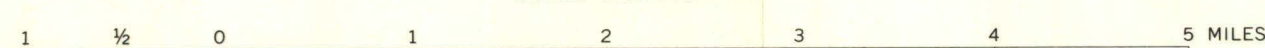


EXPLANATION		
ALLUVIUM AND COASTAL-PLAIN DEPOSITS		PIEDMONT AREA
DISTRICT OF COLUMBIA AND MONTGOMERY COUNTY, MD.	PRINCE GEORGES COUNTY, MARYLAND	DISTRICT OF COLUMBIA AND MARYLAND
Qal Recent alluvium Gravel, sand, silt, and clay. Shown only along major streams	Qal Recent alluvium and artificial fill Alluvium shown only along major streams	Q Quartz veins
Qp Pamlico Formation and Recent alluvium Gravel, sand, and silt. Includes artificial fill	Qp Pamlico Formation and Recent alluvium Gravel, sand, and silt. Includes artificial fill	bg Bear Island Granodiorite of Cloos, 1953 Light-colored, discordant, mostly unfoliated
Qt Terrace gravels Remnants of gravel deposits on terraces bordering the Potomac River and larger streams	Qt River-terrace deposits Gravel, sand, silt, and loam; basal part generally unsorted boulders, pebbles, and sand. At various levels	kg Kensington Granite Gneiss of Cloos, 1951 Highly foliated, coarse; intrusive into the schist complex and mafic rocks
Qw Wicomico Formation Gravel, sand, and silt. Local basal deposits of carbonaceous clay containing tree stumps and other woody debris	Qw Wicomico Formation Gravel, sand, and silt. Local basal deposits of carbonaceous clay containing tree stumps and other woody debris	sf Skeelsville Formation of Jones, 1928 Granitic-looking schistose rock with many inclusions, quartz-pebbles, and garnets. Grades into schist eastward and westward
Qs Sunderland Formation Coarse gravel, boulders, crossbedded sand, silt, and clay	Qs Sunderland Formation Coarse gravel, boulders, crossbedded sand, silt, and clay	ign Laurel Gneiss of Chapman, 1942 Very similar to the Skeelsville Formation. Grades into Wissahickon Formation. Contains garnets and staurolite
Tb Brandywine Gravel Predominantly well-sorted pebbles of quartzite, sandstone, and chert with quartz sand	Tb Brandywine Gravel Predominantly well-sorted pebbles of quartzite, sandstone, and chert with quartz sand	bi Mafic igneous rocks Tonalite with inclusions, meta-diorite, gabbro, amphibolite, and undifferentiated mafic rocks
Tbm Bryn Mawr Gravel Coarse, poorly sorted pebbles in red sand and silt	Tbm Bryn Mawr Gravel Coarse, poorly sorted pebbles in red sand and silt	br Mafic rocks Coarse black gabbro, chlorite schist, chlorite-quartz schist, talc schist, and soapstone. Intrusives and (or) flows
Tc Chesapeake Group Light-gray diatomaceous earth and fine yellow sand	Tc Chesapeake(?) Group Light-gray diatomaceous earth and fine yellow sand	sp Serpentine Black, gray, and dark-green serpentine
Tn Nanjemoy Formation Massive pink clay overlain by fine gray micaceous, glauconitic sand	Tn Nanjemoy Formation Massive pink clay overlain by fine gray micaceous, glauconitic sand	pwo Oligoclase-mica facies Garnetiferous quartz-muscovite schist of variable composition
Ta Aquia Greensand Coarse to fine green glauconitic sand, locally lime-cemented	Ta Aquia Greensand Coarse to fine green glauconitic sand, locally lime-cemented	pwa Albite-chlorite facies Banded or laminated quartz-rich phyllite and schist. Contains magnetite, quartz veins, and sandstone and conglomerate beds composed of muscovite, chlorite, albite, and quartz
Km Monmouth Formation Fine black micaceous glauconitic sand weathering rusty. Includes Paleocene Brightseat Formation on map	Km Monmouth Formation Fine black micaceous glauconitic sand weathering rusty. Includes Paleocene Brightseat Formation on map	pws Wissahickon Formation Quartz-mica schist, phyllite, and quartzite. More or less biotite and chlorite, clinoclinoite-epidote, and garnet. Accessory ilmenite, magnetite, sphene, and tourmaline
Kp Patuxent Formation and Arundel Clay Dark-gray massive clay containing lignitized wood and saurian bones; overlain by massive maroon clay and varicolored sand and clay	Kp Patuxent Formation and Arundel Clay Dark-gray massive clay containing lignitized wood and saurian bones; overlain by massive maroon clay and varicolored sand and clay	Kp Patuxent Formation and Arundel Clay Dark-gray massive clay containing lignitized wood and saurian bones; overlain by massive maroon clay and varicolored sand and clay
Kpx Patuxent Formation Large round pebbles, fine white, pink, or yellow sand and thin lenses of white or iron-stained clay and kaolin	Kpx Patuxent Formation Large round pebbles, fine white, pink, or yellow sand, and thin lenses of white or iron-stained clay and kaolin	Kpx Patuxent Formation Large round pebbles, fine white, pink, or yellow sand, and thin lenses of white or iron-stained clay and kaolin



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

SCALE 1:62 500



DATUM IS MEAN SEA LEVEL