



EXPLANATION
See accompanying table for detailed descriptions and for engineering properties. Heavy border around box indicates unit present on this map. An asterisk (*) precedes the explanation for symbols not present on this sheet.

COASTAL PLAIN DEPOSITS IN PART OF MARYLAND, DELAWARE, THE DISTRICT OF COLUMBIA, AND IN VIRGINIA		COASTAL PLAIN DEPOSITS IN PART OF MARYLAND, DELAWARE, NEW JERSEY, AND ON LONG ISLAND SOUND	
Tertiary	Tcg Chesapeake Group undivided Chiefly silty quartz sand, locally clayey	Tch Cohansey Sand Chiefly quartz sand, with some clay and gravel	Tertiary
	Tnj Nanjemoy Formation Glauconitic sand locally interbedded with dark silt	Tkw Kirkwood Formation Chiefly fine-grained quartz sand; very clayey in southern New Jersey	
	Taq Aquia Formation Glauconitic quartz sand; includes Brightseat Formation at base	Tma Manasquan Formation Glauconitic sand; mostly somewhat quartzose, locally very clayey	
	Kmo Monmouth Formation Glauconitic, silty quartz sand	Tvt Vincentown Formation Glauconitic quartz sand; locally very calcareous	
	Kma Matawan Formation Chiefly micaceous silt; somewhat glauconitic	Ths Horseshoe Sand Glauconitic sand	
	Kmg Magothy Formation Interbedded clayey silt and quartz sand, locally very lignitic	Krb Red Bank Sand Chiefly quartz sand; base is very silty and locally glauconitic	
	Kca Patuxent Formation Interbedded clay, sand, and gravel; clay varies in color from red to black	Kns Navesink Formation Clayey, silty glauconitic sand	
	Ka Arundel Formation Very clayey and dark-colored silt; locally contains abundant siderite layers	Kml Mound Laurel Sand Glauconitic quartz sand, pebbly at top	
	Kca Patuxent Formation Interbedded gravel, sand, and clay; clay varies in color from red to black	Kw Wenonah Formation Silty and glauconitic quartz sand	
	Kp Potomac Group Interbedded arkosic sand and clay Consists of Patuxent and Patuxent Formations where Arundel Formation is absent	Kmt Marshalltown Formation Quartzose glauconitic sand	
		Kel Englishtown Formation Glauconitic quartz sand; consists of laminated sequences in the north and massive silty sand in the south	
		Kwb Woodbury Clay Very clayey and somewhat micaceous silt	
		Kmv Merchantville Formation Chiefly clayey silt and glauconitic to quartzose sand	
		Kmg Magothy Formation Thin-bedded interbedded clay and sand; very lignitic	
		Kz Raritan Formation Chiefly crossbedded quartz sand interbedded with thick beds of silt; locally laminated	
		Kp Potomac Group Interbedded sand, gravelly sand, and clay	

Sand, silt, clay, gravel, and organic material
Alluvium

Lowland deposits
Base is to 200(?) feet elevation

Intermediate deposits
Base is to 200 feet elevation

Upland deposits
Base ranges from 200 to 300 feet elevation

Terrace deposits of varying thickness overlying Coastal Plain deposits and bedrock

*Silt or clay within or beneath permeable surficial deposits; on Long Island, Staten Island, and in adjacent New Jersey, also includes Coastal Plain deposits beneath surficial deposits

Contact
Dotted where concealed

*Thalweg of buried valley
Number shows elevation of valley bottom, in feet, above or below sea level where data available. Dashed where approximately located

Approximate boundary between fresh and salty ground water in the Potomac-Raritan-Magothy aquifers
Shows maximum advance of salt water in the Coastal Plain

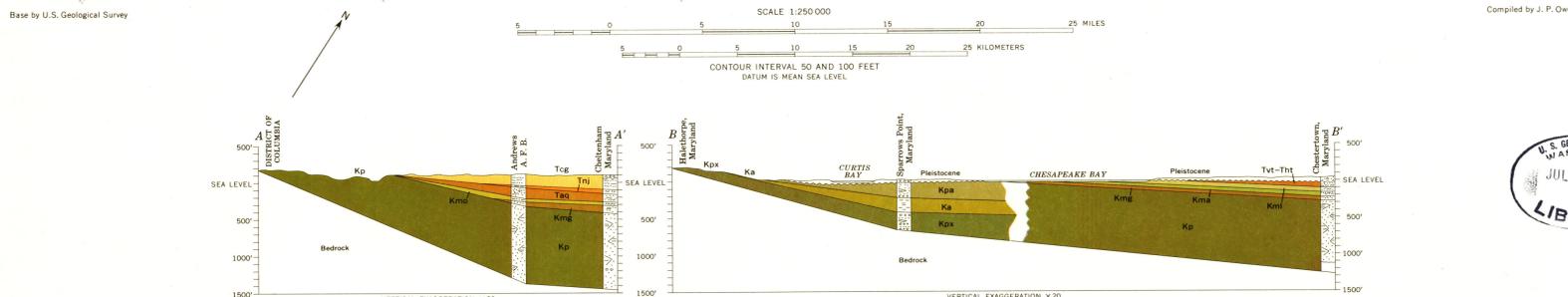
Through Coastal Plain deposits; sections shown on sheets 1, 2, 3, and 4

Through surficial deposits; sections shown on sheet 6

Line of section

*Contour on bottom of Long Island Sound
Contour drawn from depth-of-water data on U.S. Coast and Geodetic Survey charts 1311-1313. Contour interval 20 feet. Datum is mean low water

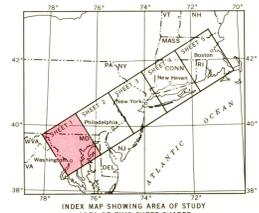
*Contours on surface of bedrock or Coastal Plain deposits beneath Long Island Sound
Contours modified from those drawn by Muriel Smith from sparker traverses by the Lamont Geological Observatory, Palisades, New York. Contour interval 100 feet. Datum is mean low water



**ENGINEERING GEOLOGY OF THE NORTHEAST CORRIDOR, WASHINGTON, D.C., TO BOSTON, MASSACHUSETTS
COASTAL PLAIN AND SURFICIAL GEOLOGY**

Prepared by the
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United States (Northeast Corridor). Geol. 1:250,000. 1967.
sheet 1,
cop. 2.



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SHEET-1
C2
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Sheet 1
Cp. 2