



EXPLANATION

<p>Shoreline deposits Chiefly well sorted sand, gravel, and pebbles deposited by current and (or) wave action, as beaches, spits, and bars along shore</p>	<p>Alluvial deposits Stream-deposited sand and silt; may contain small amount of organic material</p>	<p>Swamp deposits Sand, silt, and clay, mixed with decaying plant debris accumulated in marshy areas</p>
<p>Outwash in channels Stratified sand and gravel deposited in meltwater channels breaching the Harbor Hill terminal moraine</p>	<p>Outwash plain Well sorted and stratified sand and gravel of fluvio-glacial origin; may include some Ronkonkoma outwash</p>	<p>Pitted outwash plain Outwash plain of sand and gravel with irregular depressions that are due to melting of buried or partly buried ice blocks; may include some Ronkonkoma outwash</p>
<p>Harbor Hill ground moraine Till, unassorted mixture of clay, sand, and boulders deposited by glacial ice. Forming thin veneer over area north of Harbor Hill terminal moraine, average thickness about 5-10 feet, locally as much as 40 feet</p>	<p>Kame terrace Stratified sand and gravel deposited along valley walls by glacial streams</p>	<p>Kame delta Horizontally bedded sand and gravel overlying steeply inclined, well-sorted sand and gravel strata</p>
<p>Ronkonkoma ground moraine Till, unassorted mixture of clay, sand, and boulders deposited by glacial ice. Exposed in gravel pits on Manhasset Neck. Average thickness 5-15 feet; discontinuous and locally grading into stratified sand and gravel</p>	<p>Harbor Hill terminal moraine Thick accumulation of unassorted till and stratified sand and gravel marking stationary front of ice sheet</p>	<p>Ronkonkoma terminal moraine Accumulation of unassorted till and stratified sand and gravel marking stationary front of ice sheet</p>
<p>Harbor Hill advance outwash Well-stratified sand and gravel; largely proglacial outwash from Harbor Hill ice sheet; may include some Ronkonkoma retreatal outwash</p>		
<p>Upper Cretaceous</p>		
<p>Ronkonkoma outwash Well-stratified sand and gravel; largely proglacial outwash from Ronkonkoma ice sheet</p>		
<p>Cretaceous outcrop Exposures of clayey sand and solid clay of various colors; lignite, pyrite, and ferruginous concretions. Including outcrops of Baritan and Magathyl(?) formations, frequently deformed by ice thrust</p>		
<p>Artificial fill</p>		
<p>Contact Dashed where gradational or approximately located</p>		
<p>Sand and gravel pit Approximate boundaries of major pits shown by hachures</p>		
<p>Geologic section Sections A-A', B-B', C-C', and D-D' shown on plates 4-7</p>		

GEOLOGIC MAP OF NORTHWESTERN NASSAU AND NORTHEASTERN QUEENS COUNTIES, NEW YORK, SHOWING UNCONSOLIDATED SURFICIAL DEPOSITS