High-backscatter, outcropping, early Tertiary/Late Cretaceous coastal-plain strata and associated reworked gravelly lag deposits. Low-backscatter, reworked Quaternary deposits are common.

High-backscatter Pleistocene gravelly sand deposits. Gravelly sand forms the high-backscatter lineations and fine sand is displayed as low-backscatter.

Low-backscatter, low-amplitude, Holocene sand ridges (fine sand) with reworked, high-backscatter Pleistocene coarse sand exposed in the troughs.

Holocene (modern) silty deposit.

Anthropogenic disposal material (dredge spoils and construction refuse).

Holocene sand waves.

Holocene deposit in Raritan Bay. Sediment textural data for this area are not available.

Low-backscatter Holocene fine sand.

New Jersey

New York

Atlantic Ocean

Figure 4. Geologic Interpretation of the sidescan-sonar imagery of the study area. High backscatter is represented by light tones, low backscatter by dark tones.