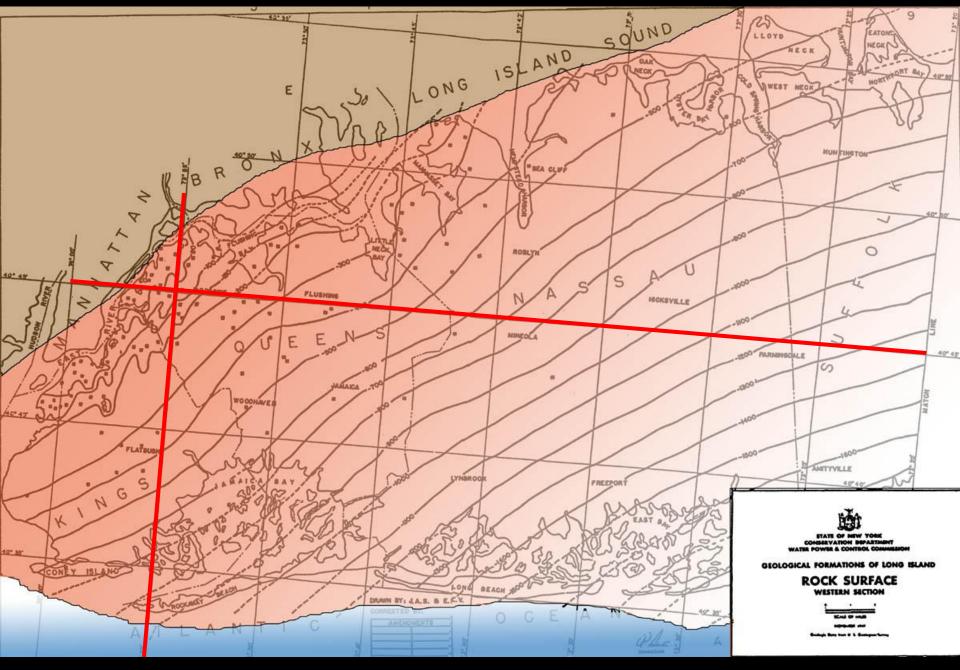
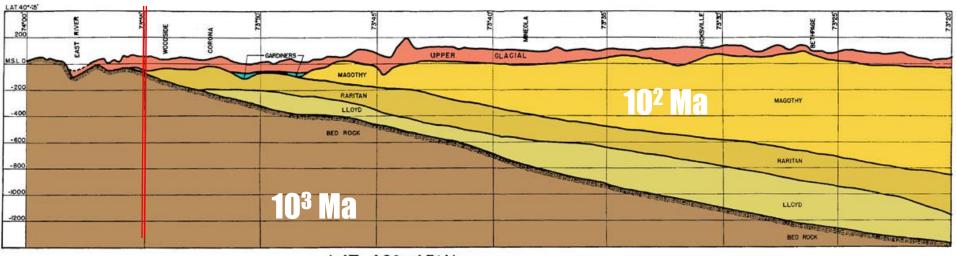
## The Narrows Flood -Post-Woodfordian Meltwater **Breach of the Narrows Channel Charles Merguerian Geology Department**



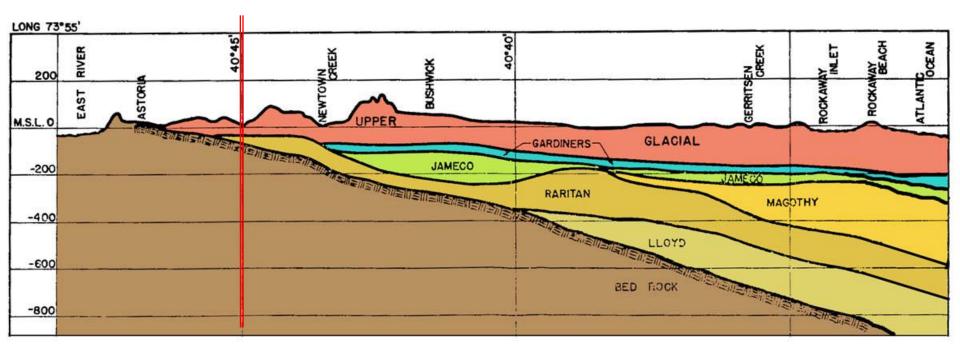




after Suter et al, 1949

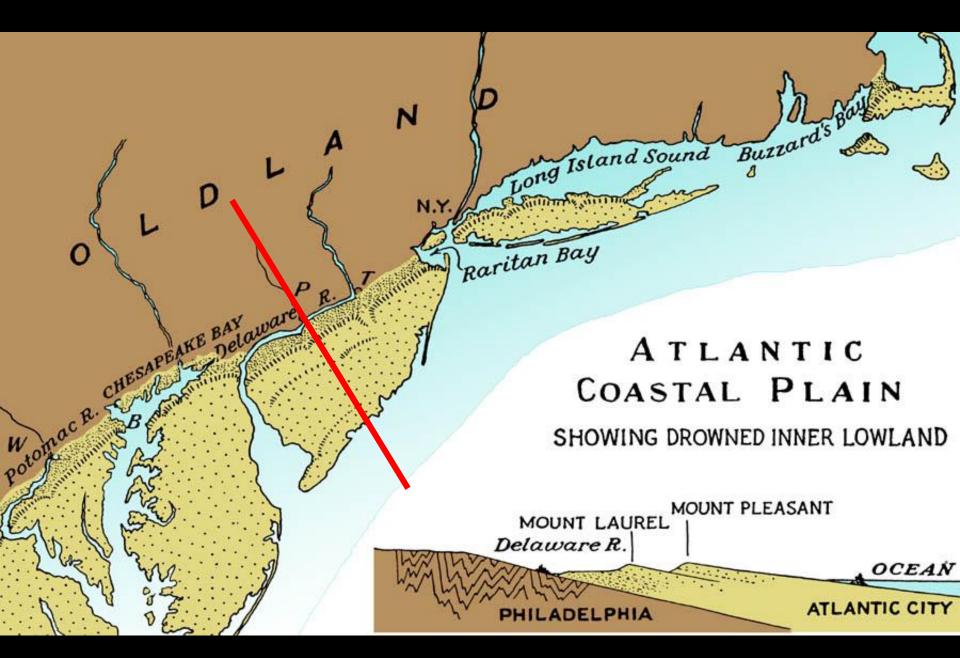


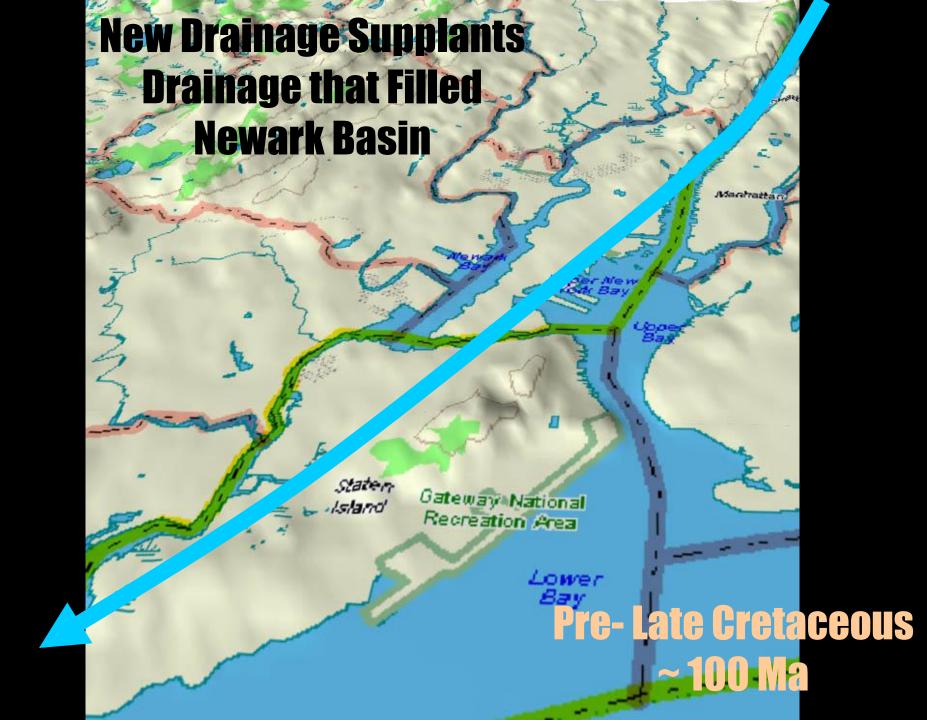
LAT. 40°=45' N

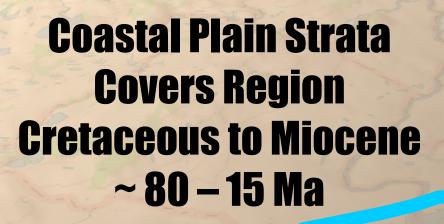


LONG. 73°=55' W

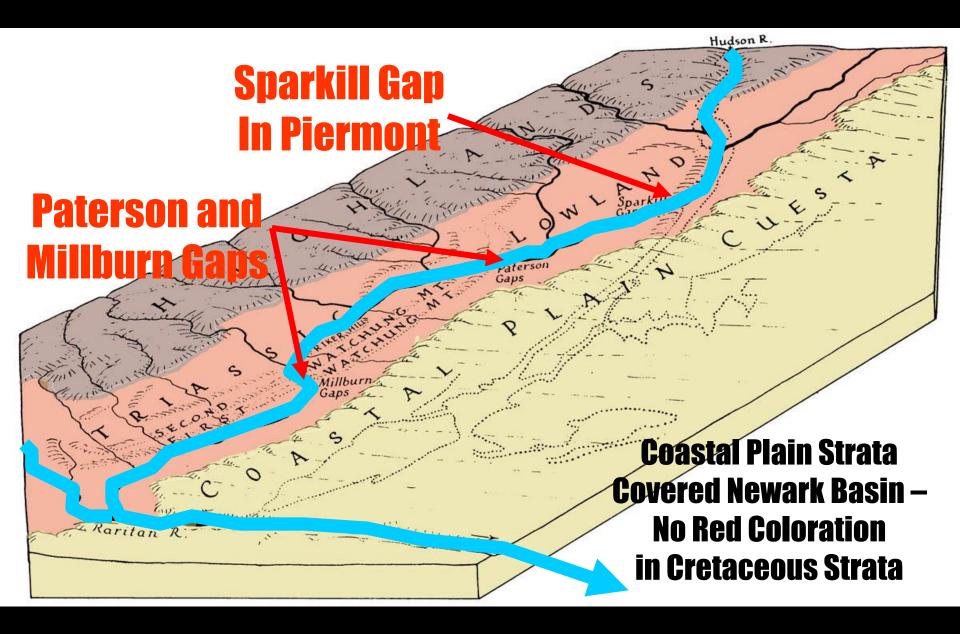
Suter et al, 1949



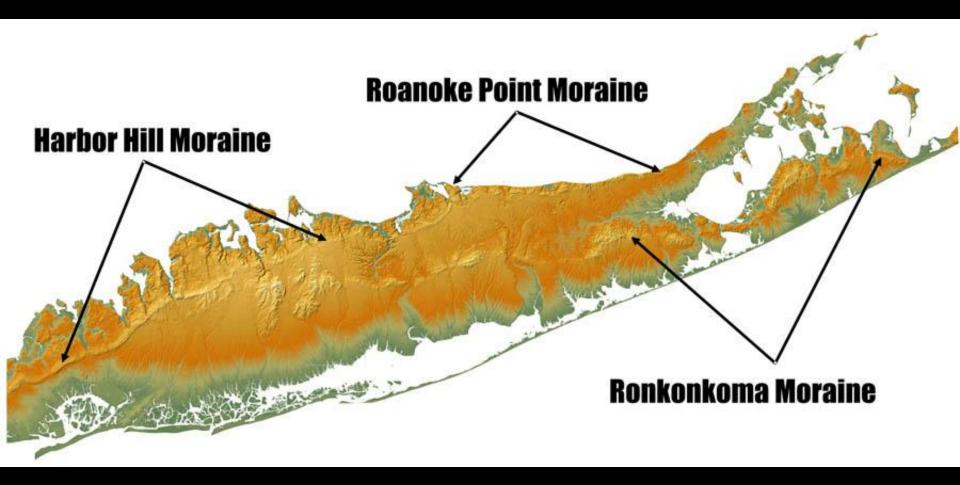




Stream Systems Cut
Coastal Plain
Beginning in
Miocene



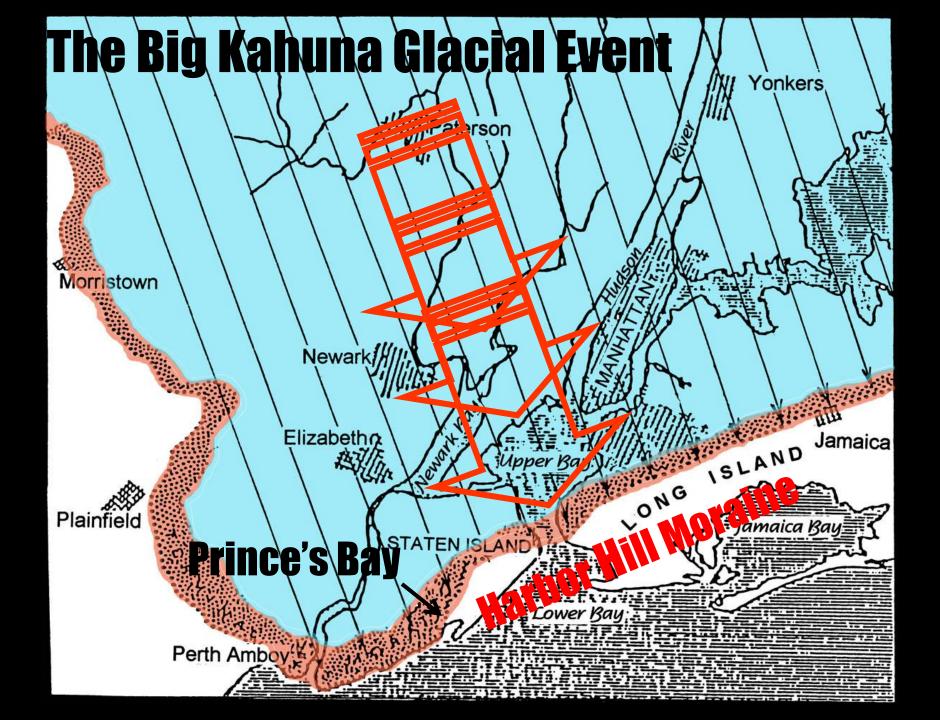
### **Long Island's Moraines – A Tale of Two Tills**



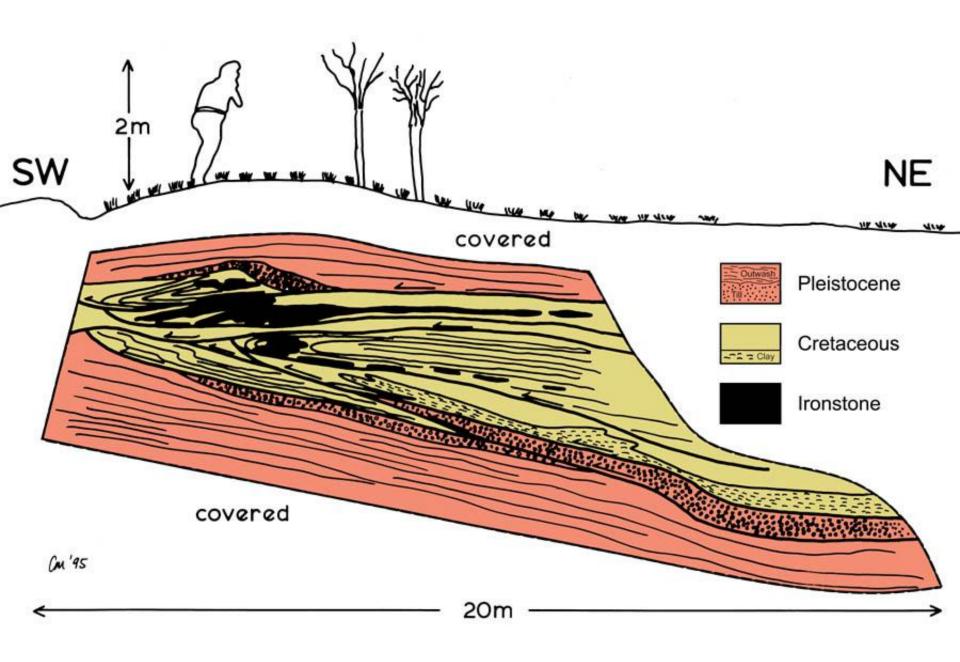
**Pre-Woodfordian Glaciation** 



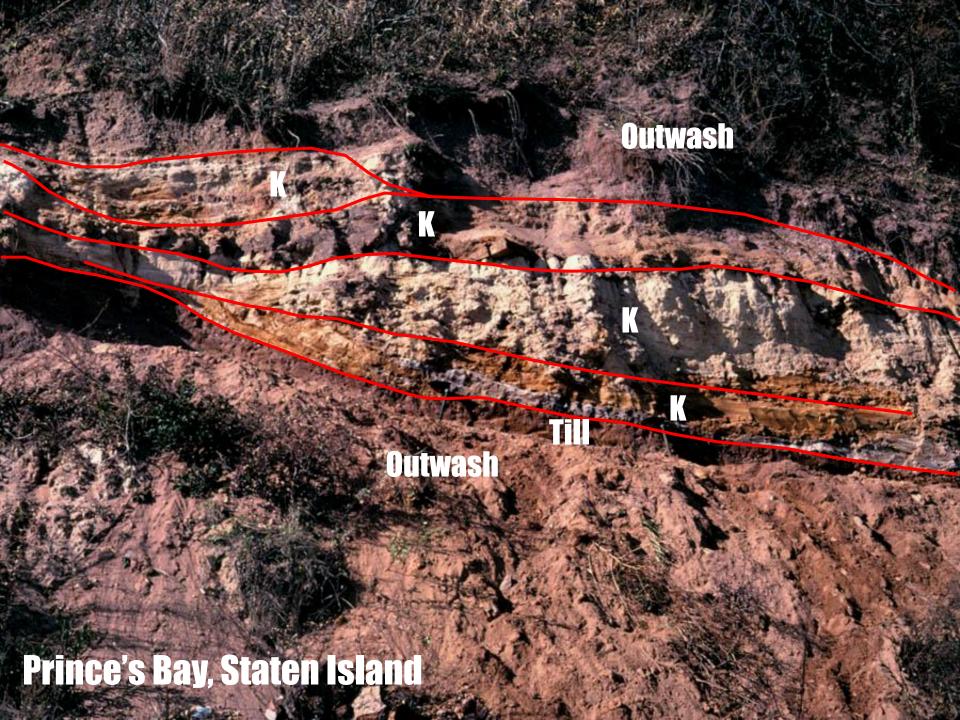


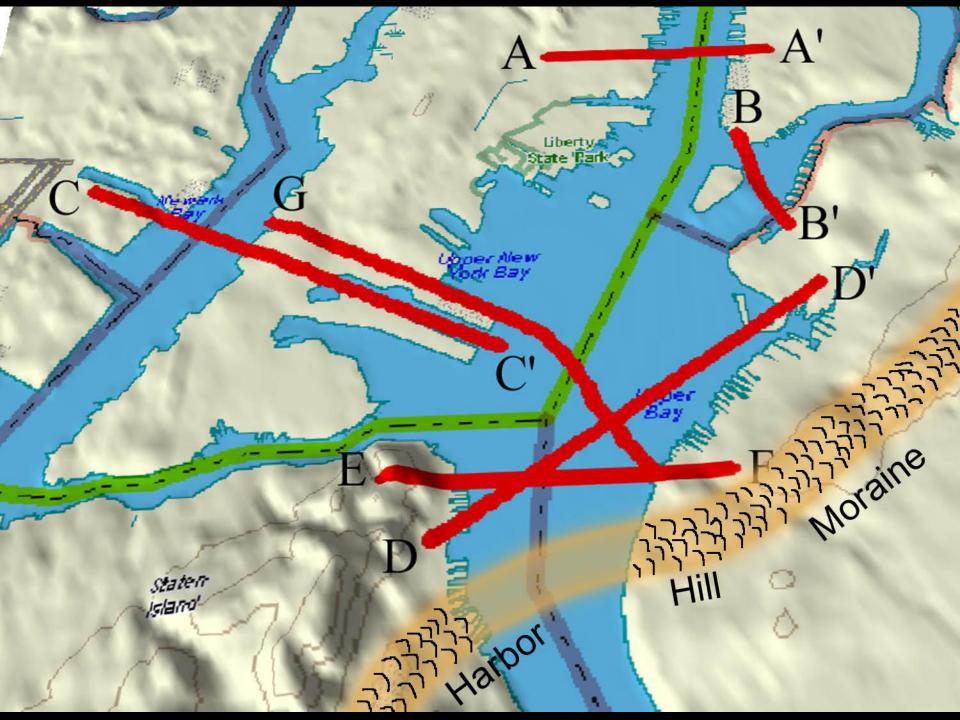


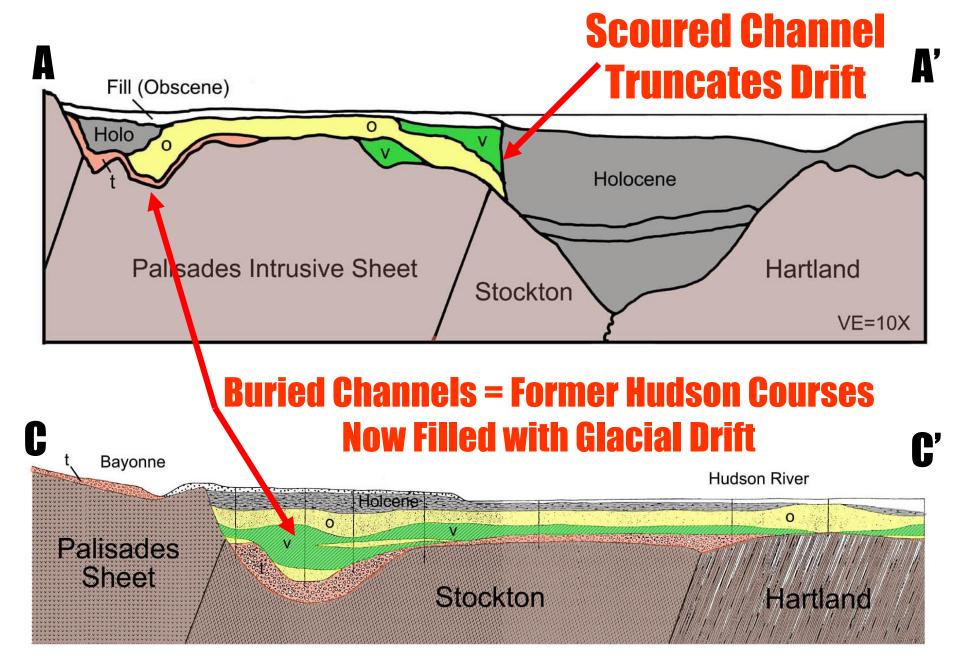






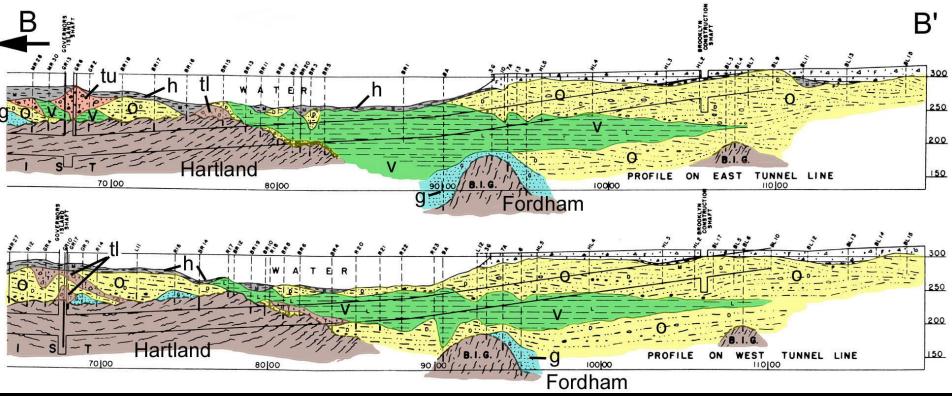


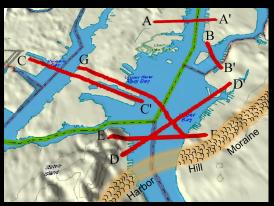




Lovegreen (1974)

#### **Brooklyn Battery Tunnel**

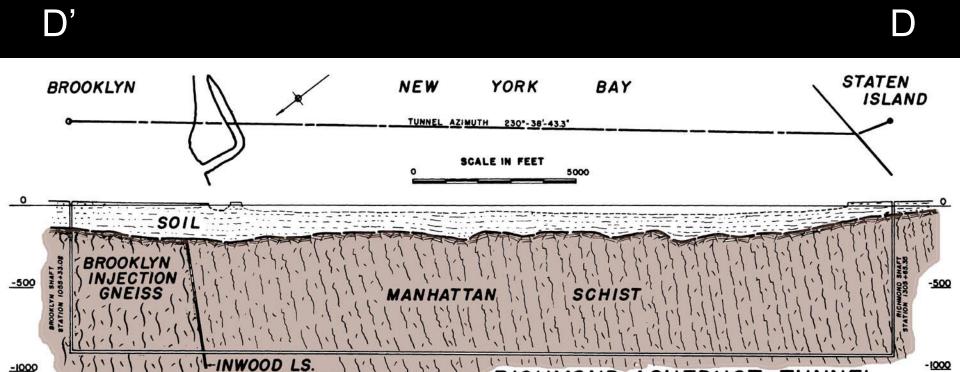




**Extension of East River Channel Now Filled with Glacial Drift** 

**Berkey (1948)** 

#### **Richmond Aqueduct Tunnel**



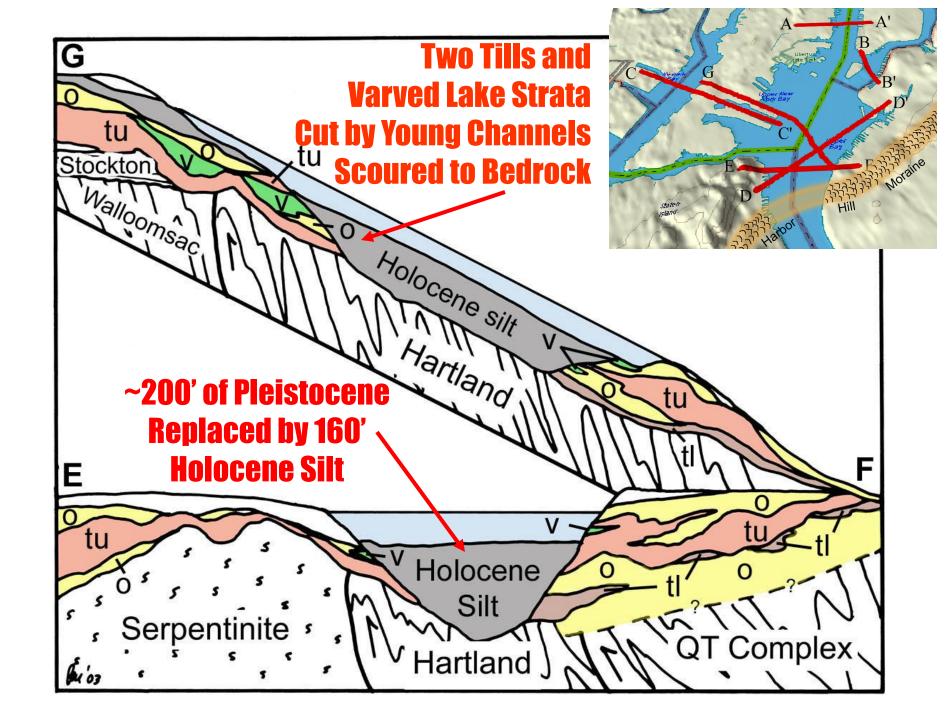


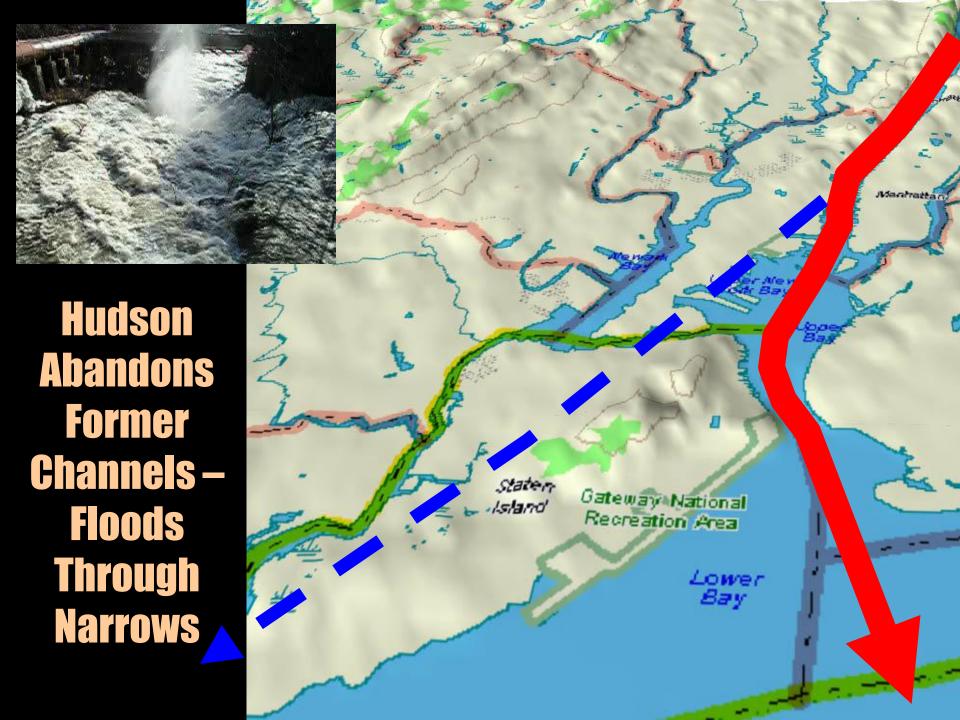
JUNE 25, 1970

T.W. FLUHR

**NY Bay Scoured to Bare Bedrock** 

Fluhr (1962)

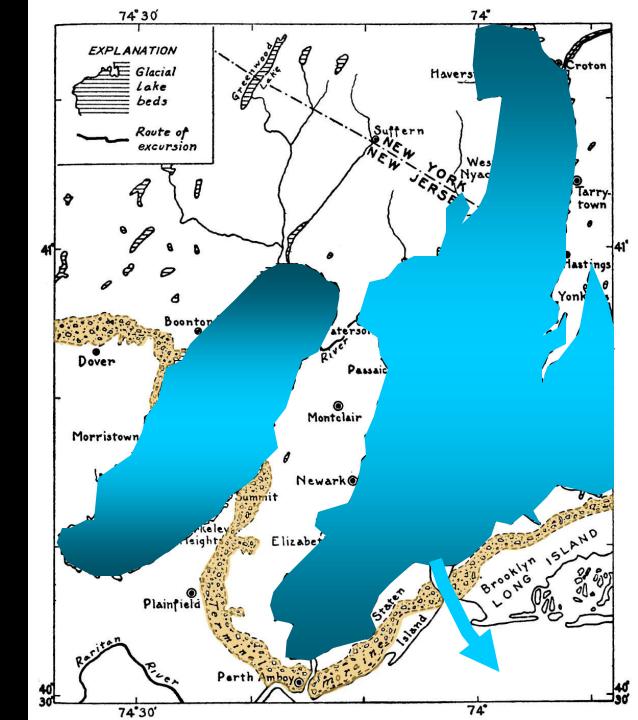


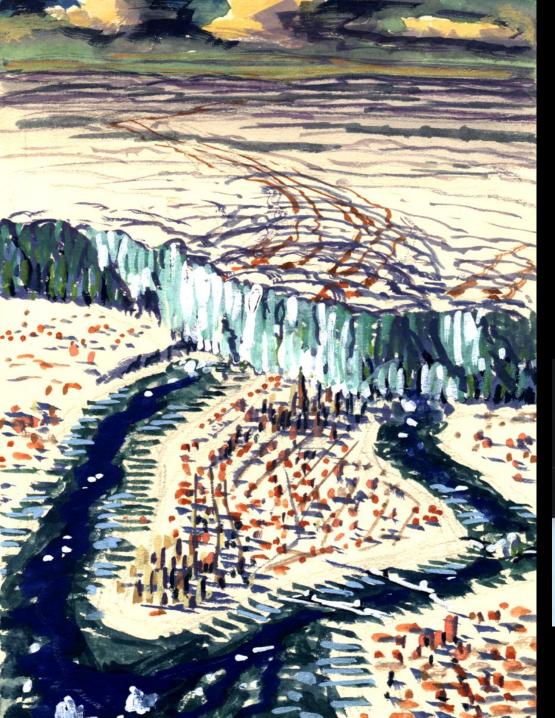


Glacial Lake Strata and the Harbor Hill Moraine

Post-Woodfordian Drainage Through The Narrows

**Berkey (1933)** 





# Ready For Winter?

