

NORTH AMERICA - EAST COAST  
NEW YORK

# HELL GATE AND ITS APPROACHES

BY LONG ISLAND SOUND  
FROM THE UNITED STATES COAST SURVEY  
1851

Table of Great Mill Hook  $40^{\circ} 46' 00''$  N.  
 $73^{\circ} 54' 2''$  W.

TIDES

HUCE&C. Blackwells Dock	IX 50"	Spring rise 6 feet	Neaps 21 feet
Astoria Ferry	IX 48		64
Pot Cove Mill Race	X 40		64
Paupers Dock	X 9		64
			5

Flood — in hours. — 230  
in sand, r. rock, s. sand, h. hard, ch. soft.

Magnetic Variation in 1851, increasing about 4' annually.

SOUNDINGS IN FEET



The bottom East of Lawrence I.  
is enlarged from the U.S. Chart  
published in 1850. Scale as before.

