

NORTH AMERICA EAST COAST MASSACHUSETTS

## GLOUCESTER

## HARBOUR

FROM THE UNITED STATES COAST SURVEY

Eastern P. Light \( \begin{pmatrix} 42\cdot 34'.47'' \ N. \ 70. 39.33 \ W. \end{pmatrix}

H.W.F.&C. XI^h.4^m\_ Springs rise  $10\frac{3}{4}$ , Neaps  $8\frac{3}{4}$  feet.

g. gravel, hd. hard, m. mud, r. rock, s. sand, sh. shells, sf. soft. Variation in 1862\_increasing 4'annually.

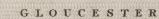
SOUNDINGS IN FATHOMS

## SAILING DIRECTIONS

Approaching Gloucester from Cape Ann, beware of the Londoner, a rock 200 y d in extent, \(\frac{1}{2}\) a mile SE, by E. from Thatcher's I South L. There is a channel to the West \(\frac{1}{2}\) of a mile wide, with 5.46 f \(\frac{1}{2}\) but strangers should pass to the East \(\frac{1}{2}\) not approaching the Lights nearer than one mile, till they bear N.W. With Thatcher's I L. in one bearing N by E.\(\frac{1}{2}\)E. one mile distant, steer S.W. by W.\(\frac{1}{2}\)W. in we miles till East P. Light bears nearly North, haul round the P. \(\frac{1}{2}\) to the North and West \(\frac{1}{2}\), keeping \(\frac{1}{2}\) a mile from shore to clear East Point Ledge and Dog Bar.

To enter South East Harbour Bring Ten Pound Light to bear NNE  $$\sharp E$$ , and run for it, when within  $$\sharp$ a mile, or halfway between it and Black Bess Point, steer ENE <math>$\sharp E$$ . towards Long Beach to Anchorage in 5 and 6  $f^{ms}$ , muddy bottom.

To enter Imner Harbour Bring Ten Pound Lt to bear N.E. & steer N.E. & N. passing on Port-hand of Round Rock Shoal and Ten Pound Ledge, when Ten Pound Lt bears E. S.E. distant 300 y. steer N.E. by E. & E. into Inner Harbour.



43 43 SOUTH EAST 24

HARBOUR 34 22

Pond

Norman's Woe

Natural Scale 20,000