

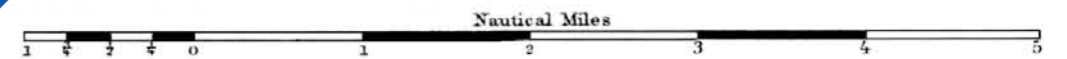
Reconnaissance of
CAPE LOOKOUT SHOALS

by the party under command of

Lieut. Comdr. T. S. PHELPS U. S. N. Assist. Coast Survey

Scale 80/1000

1864

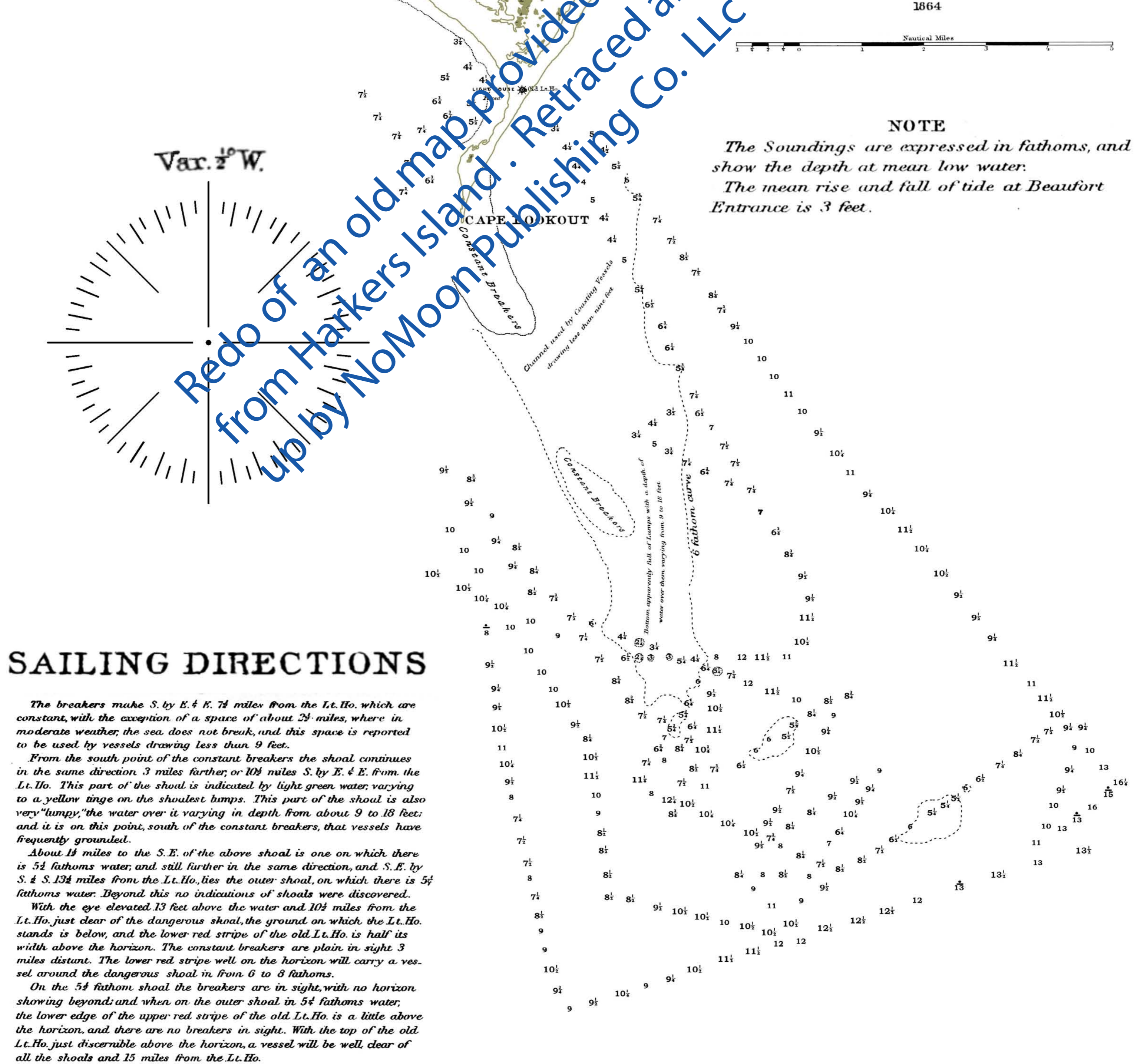
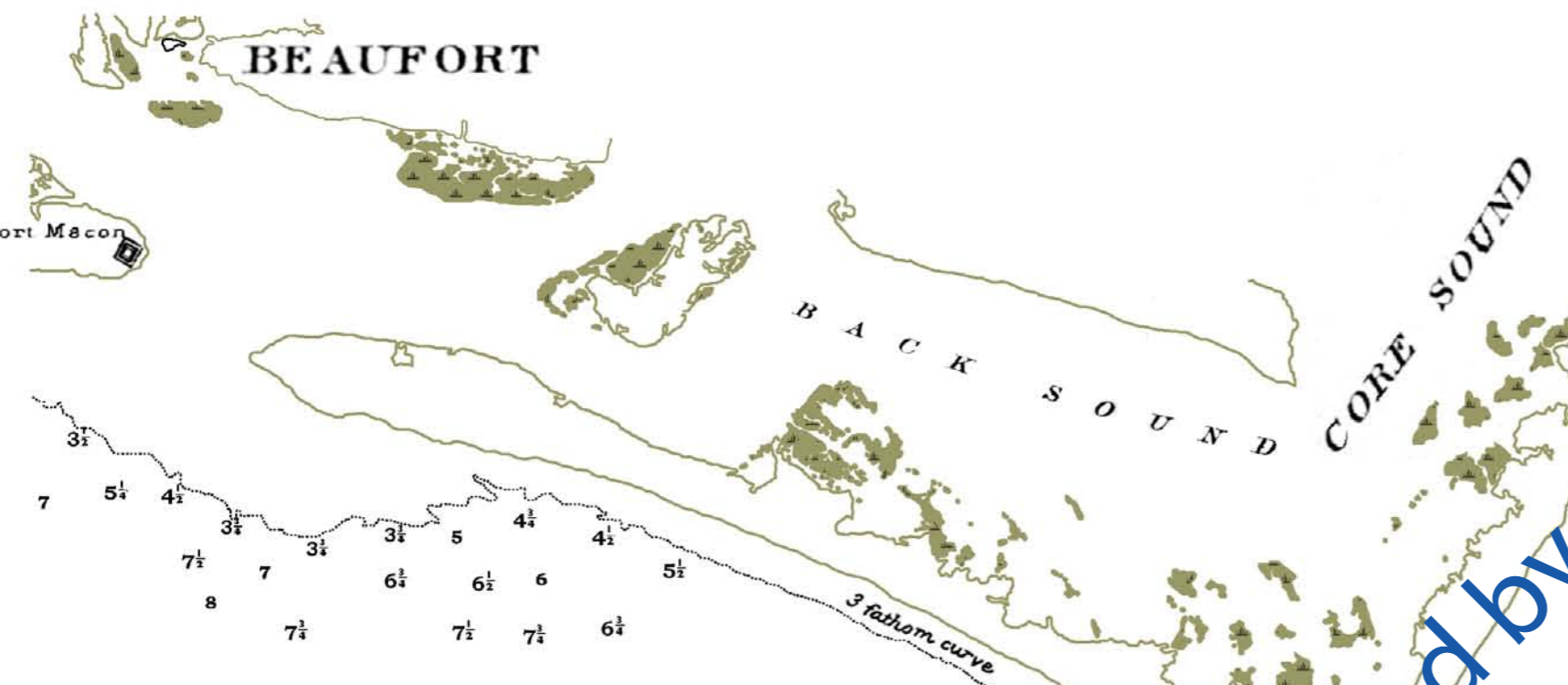
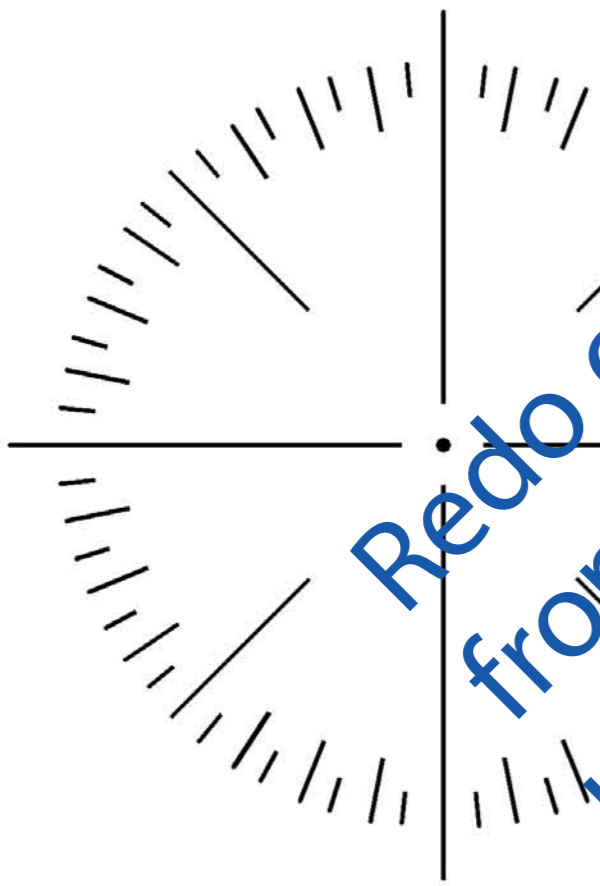


NOTE

The Soundings are expressed in fathoms, and show the depth at mean low water.

The mean rise and fall of tide at Beaufort Entrance is 3 feet.

Var. 2° W.



SAILING DIRECTIONS

The breakers make S. by E. 1/4 E. 7 1/2 miles from the Lt. Ho. which are constant, with the exception of a space of about 2 1/2 miles, where in moderate weather, the sea does not break, and this space is reported to be used by vessels drawing less than 9 feet.
From the south point of the constant breakers the shoal continues in the same direction 3 miles farther, or 10 1/2 miles S. by E. 1/4 E. from the Lt. Ho. This part of the shoal is indicated by light green water, varying to a yellow tinge on the shallowest bumps. This part of the shoal is also very "lumpy," the water over it varying in depth from about 9 to 18 feet; and it is on this point, south of the constant breakers, that vessels have frequently grounded.
About 1 1/2 miles to the S. E. of the above shoal is one on which there is 5 1/2 fathoms water, and still further in the same direction, and S. E. by S. 1/4 S. 13 1/2 miles from the Lt. Ho., lies the outer shoal, on which there is 5 1/2 fathoms water. Beyond this no indications of shoals were discovered.
With the eye elevated 13 feet above the water and 10 1/2 miles from the Lt. Ho. just clear of the dangerous shoal, the ground on which the Lt. Ho. stands is below, and the lower red stripe of the old Lt. Ho. is half its width above the horizon. The lower red stripe is plain in sight 3 miles distant. The lower red stripe well on the horizon will carry a vessel around the dangerous shoal in from 6 to 8 fathoms.
On the 5 1/2 fathom shoal the breakers are in sight, with no horizon showing beyond; and on the outer shoal in 5 1/2 fathoms water, the lower edge of the upper red stripe of the old Lt. Ho. is a little above the horizon, and there are no breakers in sight. With the top of the old Lt. Ho. just discernible above the horizon, a vessel will be well clear of all the shoals and 15 miles from the Lt. Ho.
In from 7 to 11 fathoms the color of the water is dark green; in 5 fathoms a pale green, and in 3 fathoms and less a very light green, varying according to the depth.