

2426

Diag. Cht. No. 1209-1

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey *Hydrographic*
Field No. Office No. *2426*

LOCALITY

State *Massachusetts*
General locality *Pollocks Rip*
Locality *Blue and North*
End of the Stone Horse
Shoal

~~194~~

1899

CHIEF OF PARTY

W.C. Hodgkins

LIBRARY & ARCHIVES

DATE

2426

2426
APR 1 1901

83
SHA
2426
1899

U.S. COAST AND GEODETIC SURVEY
DEPT. OF COMMERCE
APR 1 1901
No. 52711

U. S. COAST AND GEODETIC SURVEY.

H. S. Pritchett, Superintendent

State: *Massachusetts.*

DESCRIPTIVE REPORT.

Hydrographic Sheet No. *2426*

LOCALITY:

*Pollock Rip Slue
and North End of the
Stone Horse Shoal.*

1899.

CHIEF OF PARTY:

W. C. Hodgkins

2426

Descriptive Report

to accompany Hydrographic Sheet No 2426,
Scale 1:20,000, of Pollock Rip Blue and part
of Stone Horse Shoal, Monomoy Shoals,
1899.

This work was done in September, 1899.

Number of days	11
" " volume	4
" " angles	2586
" " soundings	4975
" " miles	207.4
" " □ "	92

This passage is one of the most frequented on the whole extent of the Atlantic coast, being the ordinary route of all coastwise commerce. The least depth found in Pollock Rip Blue in the best channel is 29 feet for a short distance, about $\frac{1}{4}$ mile S.W. of the bell buoy at the north entrance. The depth varies considerably in different parts of the channel, there being 44 feet between Pollock Rip light vessel and the red buoy on the N.W. side of the channel and from 80 to 90 feet near the Shovel light vessel and west of the Stone Horse Shoal, getting into "Butler's Hole" while in other

places there is little more than 30 feet. The result of the survey seems to show that the channel has improved since the last examination.

The shore of Monomoy Island is low and sandy and not especially conspicuous, though the lines of low sand hills are easily seen in clear weather.

The principal land marks are the Chatham Lights, Monomoy light, the two Life Saving Stations, and the hotel near the Chatham Station.

There was also a good sized tripod on a sand hill at the south end of the island and an iron beacon on Pollock Rip proper.

The entrance from the northward and eastward is usually picked up by the whistling buoy from which one steers for the bell buoy and gas lighted buoy at the entrance and thence down to the light vessels being governed by the buoys which are frequent and entirely sufficient in moderately clear weather.

Ice is not often troublesome but fog is very prevalent, especially in the summer and fall.

It usually comes in with easterly winds and disappears with westerly.

W. C. Hodgkins
Chief of Party

Hyde chart 2426
(Monrovia charts, Hodgkins 1899)

The plotting of the sheet was done by the party.

The protracting was with few exceptions found to be correct. A number of streamer lines and all the foot work was not plotted. In this way some of the most important soundings were omitted.

The numbers of positions are too large and misplaced, they should be in accordance with Paragraph 154 of General Instructions.

The soundings as plotted on the sheet are too small in size. At the positions they should have been placed precisely over the positions and not below or some distance

from them. Many of the more important soundings I have corrected in this respect.

The buoys and light-vessel were not properly marked on the sheet. No notes or statistics accompanied same. The position (location) of the gauge is not indicated.

The records of the work show many corrections, changes and alterations of original entry of angles or signals used. The bearings are often confused and other details questioned in the work. In many cases no note is made when

(Sheet 2426, p. 3)

Ed. 0-21-10-1,000,000.)

No. 18. TREASURY DEPARTMENT

passing buoys or light-vessels;
no ranges are noted.

For clearness sake only the main
curves are shown; inside curves
(holes) are omitted. The 24 foot
curve is drawn only to define
the shoal ground on edge of
Pollock Rip Blue.

Curves are connected with those
of last previous surveys.

A. C. H.

2-2-00

Treasury Department,
OFFICE OF THE COAST AND GEODETIC SURVEY,

Washington, D. C., 1

SUBJECT: