

303 1<sup>b</sup>

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Department of Commerce and Labor  
COAST AND GEODETIC SURVEY

*O. S. Tuttleman*  
Superintendent.

State: *Mass.*

DESCRIPTIVE REPORT.

*S. Hyd.* Sheet No. *3031b*

LOCALITY:

*Pollack's Rip*  
*Sluic*

1914.

CHIEF OF PARTY:

*Paul C. Whitney*

11-4645

3031L

General Locality:- Monomoy Point, Massachusetts

Special Locality:- Pollock Rip Slue, examination of

Vessel:- Str. Hydrographer

Date:- November 18-25, 1914

Chief of Party:- Paul C. Whitney, Ch

Scale:- 1/20,000

3031  
2597

Descriptive Report

to accompany Hydrographic Sheet 3031 <sup>4</sup>  
Examinations in Pollock Rip Slue

Massachusetts

November 18 - 25, 1914

Str. Hydrographer

Paul C. Whitney

Chief of Party

The hydrography executed on this sheet was done to locate shoals reported in the area covered, in accordance with instructions from the Superintendent under date of November 12, 1914.

A bromide print of my sheet done in 1912 was forwarded, but I found that the projection was so badly distorted that I had made a new projection and the work was plotted on it, which forms the smooth sheet and accompanies this report, together with the bromide print.

The chief trouble seems to be the fact that the buoys are badly shifted from their correct locations. Nun Buoy # 2 is off its station and is in the following positions:-

(1340)

Lat. 41 32' plus 1290 meters

Long. 69 55 exact

This location leaves exposed in the channel a 16 foot spot which was located in the following position

(1556)

Lat. 41 32' plus 1540 meters

Long. 69 54 " 110 "

(1290)

This spot must have been the one struck by the Str. Grecian. It is recommended that the Nun Buoy be moved to the N.N.E. (true) about <sup>(250)</sup> 300 meters to cover this spot. To the eastward of this spot there was nothing found under 4 fathoms. It seems probable that this 16 foot spot must be part of the old shoal which the Nun buoy should be on the easterly edge, and that this shoal is deepening to

to some extent.

In the vicinity of the Bell and Light Buoys no shoal of 18 feet could be found. However the buoys are off their stations, the bell plotting in the following position

(1045)  
Lat. 41 33' plus 1050 meters  
Long. 69 54' plus 780 meters

(790)  
Shoal soundings of 20 feet were obtained about 500 meters W S W of the Bell Buoy, but these are already shown on the chart, being on the shoal to the westward of the Slue. It is possible that a steamer not realizing the wrong position of the Bell could have been steaming too far west and stuck the spots found.

A 23 foot spot was located to the N. W. of the Bell where there was found 24 feet two years ago.

This work was attended with very bad weather. Three tide staffs had to be erected during the time on account of the seas washing them away.

Tides were read at Monomoy Point to reduce the soundings by. The level notes and tide records are recorded in one volume, accompanying this report.

Respectfully submitted

*Paul C. Whitney*  
Commanding.

Descriptive Report  
to accompany Hydrographic Sheet 2031<sup>4</sup>  
Examinations in Pellicoek Rip Line

Massachusetts

November 18 - 25, 1914

Str. Hydrographer

Paul C. Whitney

Chief of Party

The hydrography executed on this sheet was done to locate shoals reported in the area covered, in accordance with instructions from the Superintendent under date of November 12, 1914.

A bronze print of my sheet done in 1912 was forwarded, but I found that the projection was so badly distorted that I had made a new projection and the work was plotted on it, which forms the smooth sheet and accompanies this report, together with the bronze print.

The chief trouble seems to be the fact that the buoys are badly shifted from their correct locations. Nun Buoy # 2 is off its station and is in the following position:

1340  
Lat. 41 32' plus 1290 meters  
Long. 69 55 exact

This location leaves exposed in the channel a 16 foot spot which was located in the following position:

1556  
Lat. 41 32' plus 1540 meters  
Long. 69 54 " 110 "  
1290

This spot must have been the one struck by the Str. Grecian. It is recommended that the Nun Buoy be moved to the N.E.E. (true) about 300 meters to cover this spot. To the eastward of this spot there was nothing found under 4 fathoms. It seems probable that this 16 foot spot must be part of the old shoal which the Nun buoy should be on the easterly edge, and that this shoal is deepening to

to some extent.

In the vicinity of the Bell and Light Buoys no shoal of 18 feet could be found. However the buoys are off their stations, the bell plotting in the following position

Lat. 41 23' plus <sup>1045</sup> 1950 meters  
Long. 69 54' plus <sup>790</sup> 780 meters

Shoal soundings of 20 feet were obtained about 500 meters W S W of the Bell Buoy, but these are already shown on the chart, being on the shoal to the westward of the Buoy. It is possible that a steamer not realizing the wrong position of the Bell could have been steaming too far west and struck the spots found.

A 23 foot spot was located to the N. W. of the Bell where there was found 24 feet two years ago.

This work was attended with very bad weather. Three tide staffs had to be erected during the time on account of the seas washing them away.

Tides were read at Monomoy Point to reduce the soundings by. The level notes and tide records are recorded in one volume, accompanying this report.

Respectfully submitted

*Paul C. Whitney*

Commanding.

List of Statistics  
to accompany Hydrographic Sheet *3031 E*  
Examinations in Pollack Rip Slue.

Massachusetts

Date	Let.	Vol.	Miles	Positions	Soundings	Vessel
1914 Nov. 18	A	1	4.0	34	174	Hydrographer
" 22	B	1	6.0	50	269	"
" 25	C	1	5.0	61	371	"
Totals	3	1	11.0	145	811	"

Tidal Data

Tides read at Monomoy Point

Plane of Reference, Staff # 1, used November 18, 1914, to 3:00 P.M.  
reads minus 2.3 feet (below zero of Staff)

Plane of Reference, Staff #2, used November 18, after 3:00 P.M. that day only  
reads 1.6 feet on staff

Plane of Reference, Staff #3, used for remainder of hydrography, reads  
1.0 feet on staff

Soundings shown in feet.

Protracted & plotted by field party.

Verified by R. L. Johnston