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State *Mass*

DESCRIPTIVE REPORT.

Hyd Sheet No. *3031a*

LOCALITY
Pollock Rip Slue

1612

CHIEF OF PARTY
P. C. Whitney

3031A

Discriptive Report
to accompany Hydrographic Sheet 3031^a
Investigation of Reported Shoalings

Pollock Rip Slue

Massachusetts

October 5 - 6, 1912

Paul C. Whitney

Chief of Party

The hydrography contained on this sheet includes an investigation of reported shoalings west of Pollock Rip Gas Buoy and a reported shoal between Shovelful Shoal Light Vessel and Pollock Rip Light Vessel.

Reported Shoalings west of Pollock Rip Gas Buoy

This hydrography was done with the ship and the signals used were those plotted on the projection furnished by the Office. The position of the Wireless Tower was taken from the chart. The signals used were inked in by the field party.

During the afternoon of the first day the positions toward four o'clock are weak as from then on Chatham Light could not be seen owing to the haze in the atmosphere, leaving only two small angles to observe. I have plotted the soundings giving preference to those more strongly located where crossings are in difference of over a foot.

The buoy locations, excepting the spar buoy, were made from a small boat directly at them, using the three point problem, the record being made in the sounding book. The spar buoy was located from sounding lines, as also, were the positions of the others checked. The buoys seemed to have a large scope of chain and would change their position according to the tide.

Shoalings for vessels drawing 18 feet to strike, as reported, were not found in the channel to the westward of the buoys.

Shoal between Shovelful Shoal Light Vessel and Pollock Rip Light Vessel

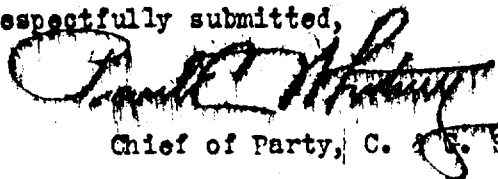
No evidence of a shoal in the reported position was found, but a survey of the 18 foot spot just southwestward, developed a least depth of 14 feet. This depth was obtained in the whaleboat. On obtaining a shoal sounding with the ship, a buoy was dropped overboard and the shoal spot investigated with the whaleboat; feeling around with the leadline until the least depth was found. The shoalest spot is very small, a boat's length distance increasing the depth to 18 and 20 feet.

The sea was smooth, with a long flat ground swell running and conditions were excellent for the work.

Tides were read at the Monomoy Point tide staff to reduce the soundings by.

This work was reported to the Office by my letter under date of October 7, 1912.

Respectfully submitted,



Chief of Party, C. & G. Survey,

Com'd'g Str. Hydrographer.

Statistics

Hydrographic Sheet
Investigation of Reported Shoalings, Pollock Rip Slue

Date, 1912	Letter	Vol.	Posi- tions	Sound- ings	Miles statute	Boat
October 5	A	1	58	355	9.4	Ship
October 6	B	1	184	939	13.8	Ship
Total			242	1294	23.2	

Tidal Data

Plane of Reference, reading on gauge, 0.32 feet

Tide Gauge

Powder Hole, Monomoy Point, Massachusetts

Hyd. Sheet No. 3031^a

Both positions and soundings shown on this sheet were plotted by the Field Party.

The work is good and appears sufficient for the purpose intended, i.e. to determine if, as reported, shoalings have occurred west of "Palloch Rip Gas Buoy" and a shoal between "Shovelful Shoal Light Vessel" and "Palloch Rip Light Vessel".

As stated in the Descriptive Report accompanying, shoalings for vessels drawing 18 ft to strike, as reported, were not found in the Channel West of "Palloch Rip Gas Buoy" and the soundings plotted and curves developed bear out this statement.

Also as stated in the Descriptive Report there is no evidence of a shoal, as reported, between "Shovelful Shoal Light Vessel" and "Palloch Rip Light Vessel" but a 14 ft spot was developed just southwest of the reported shoal.

A comparison of this sheet with Hyd. Sheet 3031 develops the fact that changes in bottoms in both these locations have taken place since 1909.

John D. Torrey.