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Diag. Cht. No. 1204-1 & 1206-1

Form 504	
U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	HYDROGRAPHIC
Field No.	Office No. H-639-639a-741a 754
LOCALITY	
State	MAINE
General locality	COAST OF MAINE
Locality	
1857- 194 03	
CHIEF OF PARTY	
J. B. Boutelle A. Murray, J. Ross, S. D. Trenchard &	
LIBRARY & ARCHIVES	
DATE	SEPTEMBER 24, 1902

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U. S. C. & G. SURVEY,
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SEP 27 1902
Acc. No.
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Treasury Department,
U. S. COAST AND GEODETIC SURVEY.

O. H. Fittmann
Superintendent.

State: *Mass*

^{SUP}
DESCRIPTIVE REPORT.

Hyd Sheet No. *639, 741, 754*

LOCALITY:
Coast of Mass

1902

CHIEF OF PARTY:
John Ross

U. S. C. & G. SURVEY,
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L. A.
H. B. E.

*Assistant in charge of the Office,
Library and Archives.*

U. S. Coast & Geodetic Survey,
Steamer HYDROGRAPHER.

Referred by the Librarian to

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JUL 31 1902
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OFFICE OF ASSIST. IN CHARGE.
JUL 31 1902
COAST AND GEODETIC SURVEY.

Rockland, Maine,
July 28, 1902.

Mr. O. H. Tittmann,
Superintendent C. & G. Survey,
Washington, D. C.

act
JUL 24 1902
LIBRARY AND ARCHIVES
C. & G. M.

Sir:-

54581 ✓

I have the honor to transmit, by registered mail, in two separate packages, the original records of rocks and ledges located and developed, as follows:

- ✓ 1. Mackerel Rock, eastern entrance to Narraguagus Bay; page 1 of sounding book.
- ✓ 2. Reported 15-foot spot, western entrance to Eggemoggin Reach between Merriman Ledge and Spectacle Island Ledge; pages 4, 23, 26-32, inclusive, sounding book, and on tracing.
- ✓ 3. Reported 6-foot spot between Spectacle Island and Blakes Point, off Cape Rosier; pages 6-9, inclusive, sounding book, and on tracing.
- ✓ 4. Rocky shoal northeastward of Spectacle Island, pages 11, 15-17, inclusive, sounding book, and on tracing.
- ✓ 5. Rock on western side near head of Orcutts Harbor, page 13, sounding book, and on tracing.

X
✓ 1 Sounding book
✓ 3 Tracings put in back of sounding book.

✓ 6. Rock on eastern side of Orcutt's Harbor, page 14, sounding book, and on tracing.

✓ 7. Rock on western side of Orcutt's Harbor, pages 14, 19-21, inclusive, sounding book, and on tracing.

✓ 8. Rock with 12 feet over it on chart, located southward of Torry's Castle in Eggemoggin Reach; page 56, sounding book, and on tracing.

In this connection I desire to state that only dangers larger than 20 metres were developed, but the shoalest possible sounding was obtained on every rock by lead and in one case by the drag. The most important dangers are located by angles on signals for which Δ points served as a base.

My report of July 9 states the importance of Mackerel Rock as a danger, and as its existence is known but by a few local fishermen its location should, in my opinion, be published. Several hours were spent sounding over the rock to obtain the shoalest water, and our soundings reduce to a less depth than the fishermen thought on the rock.

(2) The 15-foot spot in the western entrance to Eggemoggin Reach gave some trouble in its location. Although there were plenty of indications of a ledge, yet it took three trials at different times, the last time with a drag, to find the shoalest point. No assistance could be obtained from local fishermen, although they said they had heard that vessels had struck in the vicinity. This ledge should be immediately marked by a can buoy (red and black horizontal stripes) to distinguish

it from the numerous spar buoys in the vicinity, and to keep vessels from striking it. The depth over the shoalest part at low water of Spring tides is as little as 13 feet.

(3) The rock showing on the chart between Spectacle Island and Blakes Point with 5 feet over it was developed, and the least water found on it is 7.3 feet; this will reduce to about 5 feet at low water of Spring tides. This rock is in the fairway, and is often struck by the vessels using the passage north of Spectacle Island; it should be marked by a buoy.

(4) Another rock, with 5.7 feet over it, was found in the fairway northeastward of Spectacle Island, and is a danger as bad as the former. This rock was reported to me by Mr. DeForest Gray of Bucks Harbor, Maine, and was developed so as to show the shoalest water and its extent.

(5-6-7) The two rocks located, and one rock developed, in Orcutts Harbor are not shown on the charts, and have a depth over them which is a menace to the vessels using the harbor for anchorage, as they lie some distance from the shore.

A search of several hours was made for the reported 13-foot spot between Merriman Ledge and Pumpkin Island Light, but no indications of a shoal could be found. Enquiries were made and every available source of information was interviewed to find if anyone had ever heard of such a ledge, but could find no one who had. I am of the opinion that it does not exist, and as there are so many other places to examine, think it advisable not to prolong a search for it.

The 3-1/2-foot spot shown on chart 309 close to eastward of Thrumcap Ledge, western entrance to Eggemoggin Reach, is in reality a rocky head which bares about 2 feet at mean low water.

(8) No trouble was experienced in finding and locating the shoalest water on the rock south of Torry's Castle, but the depth shown on the chart could not be found. The shoalest sounding obtained, after sounding over it for over an hour, reduces to 13.3 feet; this would make it about 11 feet at low water of Spring tides.

While working in the vicinity of Cranberry Island Harbor, south of Mount Desert Island, my attention was called to the desirability of a spindle on the end of the shoal making off from the point SW. from Sperlin Rock. All the local vessels bound into Cranberry Island Harbor from the westward pass between Sperlin Rock and the point. In thick weather the end of the shoal making out from the point picks up many vessels, as it is too far off shore for the land to be seen. An aid that can be made in a fog as a guide to clear the end of the shoal, is asked for by every fisherman and the captain of the steamer carrying the mail; and I can, after an examination, indorse their application.

The tracings with this report are taken from chart 309 and from a tracing made at the Office; they are only approximately correct, and are submitted to show the locality of the work and the tangents used for the location of the rocks. All this work should be plotted on the original sheets in the Office.

Very respectfully,
John Rose U.S.C. & G.S. Comdg.

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

AND REFER TO No. 11-DEM

WASHINGTON

January 16, 1929.

SECTION OF FIELD RECORDS

Memorandum re Adjustment of Certain Lines on H. 741^a.

On account of the marked discrepancies between this survey and H. 4808, a study was made of the original plotting on this sheet with a view to correcting some of the differences. An adjustment was made as per notes below and the results plotted on a tracing attached to H. 741a. This tracing supersedes all the soundings on the original sheet that are crossed out in red.

The adjustments have been concurred in by A. M. Sobieralski.

1. Position 16 b has been replotted by using Δ Isle of Shoals instead of Δ Smuttynose sig. as recorded. This plotting is in fair agreement with the time interval between 15 and 17 b and checks the recorded course. The original plotter evidently overlooked the fact that the boat was on a constant course between positions 14 and 17 b.
2. Position 17 b was carefully replotted by swinging the loci of the two angles
3. The soundings between 21 and 22 a, were respaced according to the recorded times and so eliminated a bad discrepancy with H. 741b.
4. Position 13 c was replotted with the right angle on line. This did not check the time very accurately but it seemed more probable in comparison with the latest survey (H. 4808) than did the original plotting.
5. The soundings between 10 and 11 c, between 14 and 15 c, and between 25 and 26 b, were respaced according to the recorded time and a better agreement had with H. 4808.
6. The sounding of 2 1/2 feet at position 1 b was incorrectly reduced in the original sounding record and should be 12 1/2 feet. The change gives a good agreement with the soundings on the adjusted line 15 - 17 b (noted above).

7. The soundings on the other lines shown on the tracing have been replotted to conform more to the recorded time intervals.
8. The soundings between 26 and 27 b have been crossed out on the original sheet although no adjustment was made. Position 27 b is indeterminate and probably belongs much further inshore than was plotted on the original sheet. The shoal soundings at the lower end of this line are not shown on the present charts and owing to the uncertainty it is not proposed to put them on at this time. They can be ignored from all further consideration as far as the charts are concerned, but they may be useful as corroborating information in the event a shoaling is ever found at this point.

A. L. Shalowitz.

Examined + Approved
A. M. Sobieralski
Chief Section of Field Records

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U. S. C. & G. SURVEY,
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JAN 20 1904
Acc. No.

Treasury Department,
U. S. COAST AND GEODETIC SURVEY.

O. H. Telford

Superintendent

State: *Maine*

U. S. C. & G. SURVEY,
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JAN 20 1904
Acc. No.

DESCRIPTIVE REPORT.

Hyd. 2 Sheet No. *639 a*

LOCALITY:

*Kennebec River -
Bath to Doubling
Point.*

1903

CHIEF OF PARTY:

J. B. Boutelle

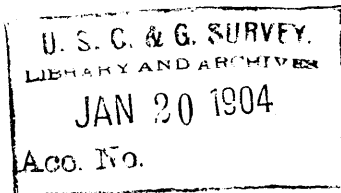
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Descriptive Report

Maine

Kennebec River, Bath to Doubling Point

1903



Resurvey from lower wharves at Bath to Doubling Point to determine shoal reported by John Ross, n. e., C. & G. S., see letter of Sept. 16, 1902, (copy attached)

Two shoals were found in about mid channel one 280 metres above Doubling Pt. having a least depth of $17\frac{1}{4}$ feet, the other 600 metres above Doubling Point having a least depth of $16\frac{1}{2}$ feet. These shoals are directly in the fairway for vessels & tugs passing up or down the river and should be buoyed.

Blk. spar buoy no. 9 opposite Doubling Pt. is about 100 metres south of a rock having $11\frac{1}{2}$ feet of water over it. This buoy should be replaced so as to mark this rock.

Blk. spar buoy no. 13 is shown on the C. & G. S. chart about 400 metres south of its true position.

Blk. Spar buoy no. 11 is correctly shown on the chart.

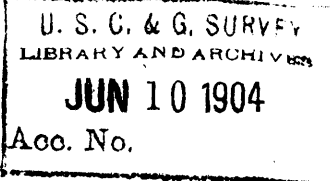
Owing to the very strong current at this place, it was extremely difficult to get accurate "up & down" soundings and this together with the irregular & lumpy character of the bottom cause sounds to cross badly. In these cases the shallowest sounding has been plotted.

J. B. Boutelle
Asst. C. & G. S., Chief of Party

REPORT
on
HYDROGRAPHIC SHEET

No. 639a.

Kennebec River,
Bath to Doubling Point,
Me.
Assistant Boutelle,
1903.



The work is generally good, the ground is well covered as far as the general lines go.

The shoal with 17ft. in mid-channel N.W. from Doubling Pt. Lt. House was developed by lines run to guide buoy in center on shoal. Also a guide buoy was placed on shoal in mid-channel East of Rocky Point, and lines run across shoal, but Lincoln Ledge was not especially developed, one line running South gives 7-1/2 feet of water as least depth and one line running East gives 8 ft. as least depth, while J. S. Bradford's Examination in 1868 gives 4 ft. as least water. This shoal should be developed better. This latest survey shows great differences when compared with the survey of 1857, but the ground was not well covered by the survey of 1857, and owing to the manner of recording time (at the boat positions only) there is much uncertainty about plotting the positions of soundings.

F. C. Donn. (Signed).

741a

Diag. Cht. No 1206-1

HYDROGRAPHIC

H-741a

MAINE

COAST OF MAINE

1902

J. Ross

See #639

SEPTEMBER 24, 1902

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U. S. C. & G. SURVEY
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SEP 24 1902
Acc. No.
CLASS

Diag. Cht. No. 1204-1

Treasury Department,
U. S. COAST AND GEODETIC SURVEY.

O. H. Tittmann
Superintendent.

State: *name*

^{SUP}
DESCRIPTIVE REPORT.

Hyd Sheet No. *754*

LOCALITY:

Coast of name

Jan 6 1899

190 *2*

CHIEF OF PARTY:

John Ross

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