

2603  
2603a

Diag. Cht. No. 1208-2

Form 504

U. S. COAST AND GEODETIC SURVEY  
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey *Hydrographic*  
Field No. *2603* Office No. *2603a*

LOCALITY

State *Massachusetts*  
General locality *Nantucket*  
Locality *Shoals*

1902

CHIEF OF PARTY

*P. A. Welker*

LIBRARY & ARCHIVES

DATE

2603

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SHR  
1902  
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U. S. C. & G. SURVEY,  
LIBRARY AND ARCHIVES,  
DEC 17 1902  
Acc. No. 2603

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

O. H. TITTMANN

Superintendent.

State: MASSACHUSETTS

DESCRIPTIVE REPORT.

Hydrographic Sheet Nos. ~~2603~~ 2603

Cancelled, compilation  
2603

LOCALITY:

Bearse, Shovelful and

Handkerchief Shoals.

Nantucket Shoals

MASSACHUSETTS

1902

CHIEF OF PARTY:

P. A. Welker, Assistant.

2603

POST-OFFICE ADDRESS: U.S.S. Bache, Care, General Delivery, Jersey City, N.J.

TELEGRAPH ADDRESS: " Foot of Grand Street, " "

EXPRESS OFFICE:

U. S. COAST AND GEODETIC SURVEY, Str. "Bache",

Jersey City, N. J.

December 14th. 1902.

Mr. O. H. Tittmann,

Superintendent, U.S. Coast and Geodetic Survey,

Washington, D. C.

S i r : -

In obedience to Instructions and "Memoranda for Descriptive Reports, 1887", I beg leave to submit the following report on Hydrographic Sheets, Nos. 2603 and 2604. The first mentioned is on a scale of 1:10000 and the latter on a scale of 1:20000. The work represented upon the two sheets was executed during the first part of the month of September, 1902, and comprises an hydrographic survey of portions of Bearses, Shovelful and Handkerchief Shoals in the vicinity of Monomoy Point, Mass. The object of the survey was to define the limits of the shoals for correction of the charts. This region is visited by frequent fogs, and the currents about the shoals are very strong, making navigation extremely dangerous during thick or foggy weather.

The outlines of the shoals are apt to change with the prevailing storms and the navigator is cautioned to make due allowance

POST-OFFICE ADDRESS:

TELEGRAPH ADDRESS:

EXPRESS OFFICE:

U. S. COAST AND GEODETIC SURVEY.

for the data of the survey on the chart that he is using for navigating.

The remarks made in the Descriptive Report on Hydrographic Sheet No. 2597 of Pollock Rip Slue also apply to this locality and no further report is considered necessary.

Respectfully yours,

*P. A. Walker*

Assistant, U. S. C. & G. Survey,

Com'd'g Str. "Bache".

Copy for inspector of Charts  
Nov. 20. 1903.

Report  
Hydrographic Sheet No. 2603.  
Monomoy Slue and Shoreful Shoal,  
Eastern Approaches to Nantucket Sound,  
Mass.  
Assistant Welker,  
1902.

The line 101b to 108b (green) was run in cutter under sail. The line was broken or sounding stopped between 104 and 105. As the boat was moving all the time, under sail, and as the course was changed at 104, the track of the boat was drawn in a curve, and as the time interval between 103, 104, 105, 106 is the same, the soundings between 104 and 105 were plotted on the curve line by the time interval. Therefore the change was not made as suggested by Mr. Hinden Kohl. While the one foot sounding seems far out there is some indication of its being a part of the long shoal making out from this point.

F. C. Donn.

(Signed)

ADDRESS ALL COMMUNICATIONS TO  
SUPERINTENDENT, COAST AND GEODETIC SURVEY,  
WASHINGTON, D. C.

REC

Department of Commerce and Labor  
COAST AND GEODETIC SURVEY  
Washington

January 14, 1913.

Assistant in charge:

I transmit herewith for the Chart Construction  
Division, Hydrographic Sheets and 2 volumes of soundings:

No. Vols.	Hydro. Sheet	Locality-	Party of-	Date
1	2603a	Monomoy Point, Mass.	Asst. Paul C. Whitney	1912
1	3031a	Pollock Rip Slue, Cal.	" " " "	"

The plane of reference, tide reducers and reduced soundings

were reduced here.  
BY ASSISTANT IN CHARGE  
AND REFERRED TO  
JAN 14 1913  
CHART CONSTRUCTION

*L. P. Shidy*  
Chief of Tidal Division.

Enclosures.

VEC

Jan.13,1913.

HYDROGRAPHIC SHEET 2603a.

Monomoy Point, Massachusetts, by Assistant Paul C.  
Whitney in 1912.

TIDES.

	Monomoy Point Staff No.2
	ft.
Mean low water, or plane of reference on staff	0.6
Lowest tide observed " "	-1.1
Highest " " " "	5.9
Mean range of tides	3.7

2603<sup>a</sup>

Hyd. Sheet No. 2603<sup>a</sup>

The positions on this sheet were plotted by the Field Party.

The work is good and appears sufficient for the purpose intended, i.e. to determine the reported closing up of the channel between "Hantkerchief Shoal" and "Shovelfull Shoal" off Monomoy Pt. Mass.

The soundings plotted and curves developed indicate clearly that, as reported, this channel is closing up and shoaling and that at the present time a depth of 25 ft is the greatest that can be carried ~~across~~ <sup>across</sup> the bar.

To properly develop the curves <sup>the</sup> additional lines could have been run to advantage in the two bar areas just above Lat.  $41^{\circ}32'$ .

John D. Torrey.

Verified;

Jan. 20, 1913.

R. L. Johnston



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1912  
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C. & G. SURVEY,  
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JAN 10 1912  
Acc. No

Department of Commerce and Labor  
COAST AND GEODETIC SURVEY

\_\_\_\_\_  
Superintendent.

State: *Mass*

DESCRIPTIVE REPORT.

*Hyd* Sheet No. *2603a*

LOCALITY:

*Monomoy Point*

\_\_\_\_\_  
1912  
\_\_\_\_\_

CHIEF OF PARTY:

*P.C. Whitney*

11-4645

2603a

Discriptive Report  
to accompany Hydrographic Sheet 2603<sup>a</sup>  
Channel between Handkerchief and Shovelful Shoals

Monomoy Point

Massachusetts

November 23, and December 1, 1912

Paul C. Whitney

Chief of Party

The hydrography embraced on this sheet was executed to examine the reported closing up of the channel between Handkerchief and Shovelful Shoals, Monomoy Point, Massachusetts. The work done covers sufficient area to determine the present conditions there.

Water signals were erected on the shoals, which were cut in from the base Pt. Rip - Monomoy Point L. H.. These signals however were washed away by a storm just after the first day's work.

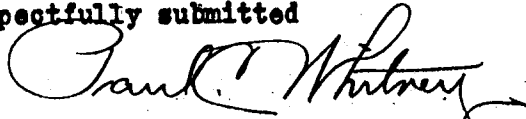
On the first of December, the weather having been unsuitable sooner, the work was completed. To accomplish it that day, further erection of water signals had to be abandoned and the Hydrographer was anchored under short scope south of Shovelful Shoal L. V. and used as a signal, being cut in by angles at the ship and at Pt. Rip, concluding on Monomoy Point L. H. During the time the ship was anchored angles were taking onboard to discover any change in position, but there was none.

Difficulty was encountered in this work, due to weather conditions, currents setting across the channel, and the topography

of the Point making it hard to get sufficient signals.

Tides were read at Powder Hole, Monomoy Point, data for which were furnished by the Office. The observations are recorded with the tidal work covering the examination in Pollock Rip Slue, October 5, 1912.

Respectfully submitted



Ass't., C. & G. Surrey,

Commanding.

Statistics

Hydrographic Sheet

Channel between Handkerchief and Shovelful Shoals

Date, 1912	Letter	Vol.	Posi- tions	Sound- ings	Miles statute	Boat
November 23	a	1	24	126	2.2	Whaleboat
December 1	b	1	61	312	7.3	"
Total			85	438	9.5	

Tidal Note

Plane of Reference, reading on gauge, 0.58 feet

Tide Gauge  
Powder Hole, Monomoy Point Massachusetts