

6808

808

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey HYDROGRAPHIC

Field No. 6 Office No. 6808

LOCALITY

State MAINE

General locality CASCO BAY

Locality Halfway Rock
~~HARDWELL IS. & EASTERN PART~~
~~OF CASCO BAY~~

194 2

CHIEF OF PARTY

C. D. Meaney

LIBRARY & ARCHIVES

DATE April 14, 1943

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. H5808

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. 6

REGISTER NO. H-6808

State MAINE

General locality CASCO BAY

Locality HALF-WAY ROCK

Scale 1:10,000 Date of survey July - August, 19 42

Vessel LYDONIA & LAUNCH

Chief of Party C. D. Meaney

Surveyed by Ship's Officers

Protracted by M. J. Langley

Soundings penciled by M. J. Langley

Soundings in ~~fathoms~~ feet

Plane of reference M. L. W.

Subdivision of wire dragged areas by

Inked by G. B. LITTLEPAGE

Verified by G. B. LITTLEPAGE

Instructions dated May 7, 19 41

Remarks: This sheet was processed at the Norfolk Processing
Office.

PRELIMINARY DESCRIPTIVE REPORT
FOR USE OF NORFOLK PROCESSING OFFICE

TO ACCOMPANY

HYDROGRAPHIC SHEET FIELD NO. 6, H-6808

PROJECT CS-265

MAINE COAST

SHIP LYDONIA

C. D. MEANEY, COMMANDING

1942

The authority for this survey is contained in the following:

Instructions	May 7, 1941	✓
Supplemental Instructions	June 17, 1942	

LOCATION AND LIMITS:

The hydrography executed on this sheet is the holiday in sheet H-6661 (1941). ✓

SCALE:

The scale of this sheet is 1:10,000. ✓

SURVEY METHODS:

Hydrography was controlled by frequent three point fixes on triangulation and topographic signals. Submarine Signal Corporation 808 depth recorders mounted on launches 79, 82, and the OGDEN were used for sounding. Corrections for recorder soundings were determined from bar tests. A standard Coast and Geodetic Survey tide gage at Portland was maintained in operation by the Tide Division. Tide reducers for all soundings were taken from the Portland tide roll. ✓

Two tide stations were established during 1942. One of these was located in Cundy Harbor, the other was located on the New Meadows River in Latitude 43 53'.4. Tide observations at both of these stations proved that the time and range of the tide in New Meadows River was very nearly the same as the time and range of the tide at Portland. ✓

Equal angle arcs were drawn on boat sheet 6 (H-6808) to facilitate the plotting of three point fixes on distant objects. ✓

2.

DISCREPANCIES:

Discrepancies will, if found, be the subject of an addendum to this report after smooth plotting is completed at the Norfolk Processing Office. ✓

COMPARISON WITH PREVIOUS SURVEYS:

A comparison with previous surveys will be the subject of an addendum to this report to be prepared after the smooth sheet is plotted. Comparison made in Review.

WIRE DRAG GROUNDINGS:

Wire drag groundings is the subject of a separate wire drag report. No drag groundings in this area.

GEOGRAPHIC NAMES:

Lt. Henry O. Fortin has been instructed to submit a report on geographic names in the area covered by this survey as part of his report of the field inspection of airplane photographs. ✓

Respectfully submitted,

C. D. Meaney,
Lt. Comdr., U. S. C. & G. S.

S T A T I S T I C S
 HYDROGRAPHIC SHEET 6 ^{H-6508 (1942)} USC&GSS LYDONIA

C. D. Meaney, Comd'g.

H6808 ✓

LYDONIA, C. D. Meaney, Comd'g.

Vol. No.	Date 1942	Day Letter	No. of Positions	Statute Miles
I	8/7	A	6	1
II	8/28	B	7	1
Launch 79 Lt. Clarence A. George In Charge				
I	7/23	a(blue)	147	17.0
I	8/4	b	80	5.8
Total			240	24.8

ADDENDUM

HALF-WAY ROCK - CASCO BAY
(1942)
Sheet H-6808 (Field No.6)

H6808

The descriptive report for H-6808 is combined with the (1942) Descriptive Report for Sheets Nos. H-6806, 6807, 6808 and 6809. We are, therefore, sending this uncompleted combined report with Sheet H-6808 with the request that this report be completed from the (1942) information which will be furnished with the addenda for the remaining sheets.

✓
Report has
been split up.

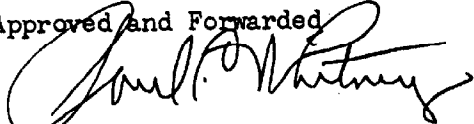
This sheet was processed at the Norfolk Processing Office. No serious apparent discrepancies were noted. The reef, rocks and islands shown on this sheet were delineated from air-photo bromides and notes recorded in the sounding records. ✓

Respectfully submitted,


Isadore M. Zeskind
Associate Cartographic Engr.

April 10, 1943
Norfolk, Va.

Approved and Forwarded


Paul C. Whitney
Supervisor, SE District

Surveys Section (Chart Division)

HYDROGRAPHIC SURVEY NO.

H8808

Records accompanying survey:

Boat sheets .1.; sounding vols. .3...; wire drag vols. .0...;
 bomb vols. .0...; graphic recorder rolls .2...;
 special reports, etc. ...None (. Report. also. covers. 6806, 6807, 6808, 6809

The following statistics will be submitted with the cartographer's report on the sheet:

Number of positions on sheet	240	
Number of positions checked	27	
Number of positions revised	4	
Number of soundings recorded	2500	<i>estimated</i>
Number of soundings revised (refers to depth only)	38	
Number of soundings erroneously spaced	26	
Number of signals erroneously plotted or transferred	0	
Topographic details	Time 10	
Junctions	Time 8	
Verification of soundings from graphic record	Time 57	
Verification by <i>S.B. Kelly</i>	Total time 75	Date 5/25/43
Review by <i>J.A.McCormick</i>	Time 6 hrs	Date 6/8/43

H6808

Remarks.

Decisions

	Remarks.	Decisions
1		
2		436700 V.S.F. B
3		
4		436700
5		
6		
7		
8		
9		
10	Location of tide staff	
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26		
27		

GEOGRAPHIC NAMES
 Survey No. **H8808**

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K
<u>Maine</u>									1
<u>Casco Bay</u>									2
Harps well Sound									3
<u>Halfway Rock</u>									4
									5
									6
									7
									8
									9
<u>Portland</u>									10
									11
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									27

Names underlined in red approved
 by L. Heck on 6/19/43

MEMORANDUM IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
PHOTOSTAT OF

No. H **H6808**
No. T

received April 14, 1943
registered April 15, 1943
verified
reviewed
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
20			
22			
24			
✓ 25	Pg 4, 5, 6, 7	<i>ESK</i>	
26			
30			
40			
62			
63			
82			4-27-43
✓ 83	Pg 2, 3, 4	<i>V.B.P.</i>	Discrepancies in positions to be checked with field sheets. Sheets 4, 5 and 7 not received. <i>S.B.A.</i>
88			
90			

RETURN TO

82	R.W.Knox
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V.B.P.C.

RAC
HRC

TIDE NOTE FOR HYDROGRAPHIC SHEET

April 27, 1943

~~Division of Hydrography and Topography:~~

✓ Division of Charts: Attention: Mr. H. R. Eamonston

Tide Reducers are approved in
3 volumes of sounding records for

HYDROGRAPHIC SHEET 6808

Locality Harpswell Sound and Eastern Part of Casco Bay, Maine

Chief of Party: C. D. Meaney in 1942
Plane of reference is mean low water reading
8.6 ft. on tide staff at Portland
19.0 ft. below B.M. 31

Height of mean high water above plane of reference is 8.9 feet
at Portland.

Condition of records satisfactory except as noted below:

Hamm
Acting Chief, Division of Tides and Currents.

DIVISION OF CHARTS

REVIEW SECTION - SURVEYS BRANCH

REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. H-6808
Field No. 6

Maine; Casco Bay; Halfway Rock
Surveyed in July - August 1942; Scale 1:10,000
Instructions dated May 7, 1941 (OCEANOGRAPHER)
and June 17, 1942 (LYDONIA)

Soundings:

808 Fathometer

Control:

Three-point fix on shore signals

Chief of Party - C. D. Meaney
Surveyed by - Officers of Ship LYDONIA
Protracted by - M. J. Langley
Soundings plotted by - M. J. Langley
Verified and inked by - G. B. Littlepage
Reviewed by - J. A. McCormick
Inspected by - H. R. Edmonston, June 8, 1943

1. Shoreline and Signals

Shoreline and topographic signals are from T-5960 and T-6846 of 1941. Chart Letter 661 of 1942 states that Signal JUNK was located by sextant fix and its position computed to be Lat. $43^{\circ}38'$ 1562 meters; Long. $70^{\circ}07'$ 472 meters.

2. Sounding Line Crossings

Satisfactory.

3. Depth Curves

Satisfactory.

4. Adjoining Surveys

The present survey satisfactorily covers a holiday in H-6661 (1941).

5. Previous Surveys

H-664 (1857-58) 1:40,000; H-972 (1868) 1:10,000

H-664 overlaps the area only enough to make satisfactory junction with the development on H-972.

Major difference between old and new surveys is in the location of shoal depths to the north of Halfway Rock. H-972 shows 11 feet 140 meters to the north-west of an 8-ft. depth on the present survey. The 11 has been checked against the old sounding volumes and has been carried forward principally because of the large scale on which this area is charted. Otherwise, the present survey, because of its close development, is much superior to the old surveys.

6. Wire Drag Survey

There are no conflicts with effective depths on H-3677 (1914) and H-6662 (1941).

7. Comparison with Chart 201 (New Print of Oct. 28, 1942)

The chart was compiled from surveys discussed in the preceding paragraphs. The survey shows navigational aids in the area to be substantially as charted.

8. Condition of Survey

Satisfactory.

9. Compliance with Project Instructions

Satisfactory.

10. Additional Field Work Recommended


None.

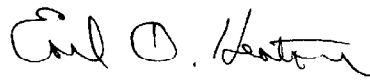
11. Superseded Surveys


H-664 in part
H-972 " "

Examined and approved:


Chief, Surveys Branch


Chief, Division of Charts


Chief, Section of Hydrography


Chief, Division of Coastal Surveys

applied to chart 201 (after review) 10/28/43 - J.D. Walker
Partially applied to CH 1204 May 8/44 JHR