

8169

Diag. Cht. Nos. 1000-4, 1203-3 & 1204-2

NOAA FORM 76-35A

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT (HYDROGRAPHIC)

Type of Survey Hydrographic.....
Field No. ST-60-1-54.....
Office No. H-8169.....

LOCALITY

State Maine.....
General Locality Gulf of Maine.....
Locality .Offshore-Monhegan I. to Matinicus Rock.....

1954

CHIEF OF PARTY
R.A. Marshall

LIBRARY & ARCHIVES

DATE Nov. 11, 1958.....

8169

☆ U.S. GOV. PRINTING OFFICE: 1976-669-441

13288 (1204) App'd 9-27-79
RW.

Area
CUT
13260 (1106) App'd HR
13009 (71) App'd 8/4/79 W.C.G.
13006 (70) App'd [unclear]
13063 (1000) App'd R. J. W. 8-1-79
13362 (1203) App'd HR
13363 (322) App'd HR

HYDROGRAPHIC TITLE SHEET

H-8169

INSTRUCTIONS - 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.

ST-60-1-54

State Maine

General locality Gulf of Maine

Locality Offshore-Monhegan I. to Matinicus Rock

Scale 1:60,000

Date of survey Sept. 15-Nov. 8, 1954

Instructions dated _____

Project No. CS-265

Vessel C & GS Ship STIRNI

Chief of party Robert A. Marshall

Surveyed by Ship's Officers

Soundings taken by echo sounder, hand lead, pole

Graphic record scaled by _____

Graphic record checked by _____

Protracted by _____

Automated plot by CALCOMP - 618

Verification by Edward Martin

Soundings in and tenths fathoms ~~feet~~ at MLW ~~MLLW~~

Category 1

REMARKS: This Descriptive Report was assembled in Rockville -

Original report was not submitted by Norfolk

Applied to stds 4/5/79
[Signature]

VERIFIER'S REPORT
HYDROGRAPHIC SURVEY, H 8169

ST-6154

INSTRUCTIONS - This form serves to identify items of a check list in verification together with items which are separately reported to the Reviewer. The form is not to be forwarded to the Reviewer. A report, which is prepared for the Reviewer, should identify items by number and letter and will be filed in the Descriptive Report until the survey is reviewed.

CL - Check List Items: should be checked as having been completed during the verification processes.

R - Report Item: This column refers to those items reported to the reviewer and is used to indicate the items discussed.

Part I - DESCRIPTIVE REPORT	CL	R	Part III - JUNCTIONS (Continued)	CL	R	
<p>Note: The verifier should first read the Descriptive Report for general information and problems.</p> <p>1. The Descriptive Report was consulted, paragraphs checked if found satisfactory, and notations were made in soft black pencil regarding action taken. Remarks Required: -- None</p>		X	<p>10. Junctions with contemporary surveys were satisfactory except as follows: Remarks Required: -- Consider conditions after adjustments have been made; note adjustments made. Make special notes of Butt junctions and areas which are SUPERSEDED.</p>	NA		
<p>2. Soundings originating with the survey and mentioned in the Descriptive Report have been verified and checked in soft black pencil, including latitude and longitude, together with position identification. Remarks Required: -- None</p>	X		<p>Part IV - VOLUMES 11. All items affecting the plotting of the survey which are entered in the remarks columns of the sounding records were noted and check marked. In all cases appropriate action was taken and exceptions noted in the volumes. Remarks Required: -- None</p>	X		
<p>3. All reference to survey sheets mentioned in the Descriptive Report should include registry number and year. Remarks Required: -- None</p>	X		<p>12. Condition of sounding records was satisfactory except as follows: Remarks Required: -- Mention deficiencies in completeness of notes or actions for the following: (a) rocks (b) line turns (c) position values of beginning and ending of lines (d) bar check or velocity correctors (e) time recording (f) notes or markings on fathograms (g) was reduction of soundings accurately done? (h) was scanning accurate? (i) were peaks at uneven intervals missed? (j) were stamps completed? (k) references to adjacent features</p>			
<p>Part II - SHORELINE AND SIGNALS 4. Source of shoreline signals Remarks Required: -- List all surveys a. Give earliest and latest dates of photographs b. Field inspection date c. Field Edit date d. Reviewed-Unreviewed</p>	NA					
<p>5. The transfer of contemporary topographic information was carefully examined and reconciled with the hydrography. Remarks Required: -- Discuss remaining differences.</p>	NA		<p>Part V - MACHINE PLOTTING 13. All positions verified instrumentally were check marked in color in the sounding records, and verifier initialed the processing stamp. Remarks Required: -- None</p>	X		
<p>6. The plotting of all triangulation stations, topographic stations and hydrographic signals has been checked and noted in processing stamp No. 42 on the smooth sheet. Remarks Required: -- None</p>	X					
<p>7. Objects on which signals are located and which fall outside of the high-water line have been described on the sheet. Remarks Required: -- List those signals still unidentified.</p>	X		<p>14. The plotting of all unsatisfactory crossings was verified. Remarks Required: -- None</p> <p>15. All detached positions locating critical soundings, rocks, buoys, breakers, obstructions, kelp, etc., were verified and the position numbers are legible. Remarks Required: -- None</p>			
<p>Part III - JUNCTIONS Note: Make a cursory comparison preliminary to inking soundings in area of overlap.</p> <p>8. All junctions of contemporary or overlapping sheets were compared and overlapping curves were made identical. Remarks Required: -- None</p>	NA				X	
<p>9. The notation in slanted lettering "JOINS H---- (19)" was added in colored ink for all verified contemporary adjoining or overlapping sheets. Those not verified are shown in pencil. Remarks Required: -- None</p>	NA				X	

Part V - PROTRACTING (Continued)		CL	R	Part VIII - AIDS TO NAVIGATION		CL	R
16. The protracting was satisfactory except as follows: Remarks Required: -- Refers to protracting in general except for specific faults repeated often, or faults in control information, which required considerable replotting or adjustments.		NA		26. All fixed aids located together with those on the contemporary topographic sheets, have been shown on the survey. Remarks Required: -- Conflicts of any nature listed.		X	
17. The protractor has been checked within the last three months. Remarks Required: -- Date of check, type of protractor and number.		NA		27. All floating aids listed in the Descriptive Report should be verified and checked in soft black pencil, including latitude and longitude and position identification. Remarks Required: -- None		NA	
Part VI - SOUNDINGS 18. All soundings are clear and legible, and critical soundings are a little larger than adjacent soundings. Remarks Required: -- None		X		Part IX - BOAT SHEET 28. The boat sheet was constantly compared with the smooth sheet with reference to notes, position of sounding lines and supplemental information. Remarks Required: -- None		X	
19. Sounding line crossings were satisfactory except as follows: Remarks Required: -- Discuss adjustments.		X		29. Heights of rocks awash were correctly reduced and compared with topographic information. Remarks Required: -- Note excessive conflicts with topographic information.		NA	
20. The spacing of soundings as recorded in the records was closely followed; Remarks Required: -- None		X		Part X - GENERAL 30. All information on the sheet is shown in accordance with figures 82 and 83 in the Hydrographic Manual (Pub. 20-2). Remarks Required: -- None		X	
21. The scanning, reduction, spacing, plotting of questionable soundings have been verified. Remarks Required: -- None		X		31. Unnecessary pencil notes have been removed from the sheet. Remarks Required: -- None		X	
22. The smooth plotting of soundings was satisfactory except as follows: Remarks Required: -- Refer to legibility, errors in spacing, and errors in numbers - but not to errors in scanning.		X		32. Degree, minute values and symbols have been checked; also electronic distance arcs have been properly identified and checked on the smooth sheet. Remarks Required: -- None		X	
Part VII - CURVES 23. The depth curves have been inspected before inking. Remarks Required: -- By whom was the penciled curves inspected.		X		33. The bottom characteristics are adequately shown. Remarks Required: -- None		NA	
24. The low-water line and delineation of shoal areas have been properly shown in accordance with the following: a. From T-Sheet in dotted black lines b. From soundings in orange c. Approximate position of sketched curve is dashed orange d. Approximate position of shoal area not sounded in black dashed Remarks Required: -- None		X		Part XI - NOTES TO THE REVIEWER 34. Unresolved discrepancies and questionable soundings.		X	
25. Depth curves were satisfactory except as follows: (This statement should not refer to the manner in which the curves were drawn). Remarks Required: -- Indicate areas where curves could not be drawn completely because of lack of soundings. For some inshore areas a general statement is sufficient.		X		35. Notation of discrepancies with photogrammetric survey inserted in report of unreviewed photogrammetric survey or on copy.		X	
				36. Supplemental information.			
Verified by <i>SR5</i> E. Martin <i>[Signature]</i>						Date 10/27/78	

GEOGRAPHIC NAMES

H-8169

Name on Survey	Source of Name											
	A	B	C	D	E	F	G	H	K			
												1
												2
												3
												4
												5
												6
												7
												8
												9
												10
												11
												12
												13
												14
												15
												16
												17
												18
												19
												20
												21
												22
												23
												24
												25

HYDROGRAPHIC SURVEY STATISTICS
 HYDROGRAPHIC SURVEY NO. 8169

RECORDS ACCOMPANYING SURVEY: To be completed when survey is registered.

RECORD DESCRIPTION	AMOUNT	RECORD DESCRIPTION	AMOUNT
SMOOTH SHEET 1 ea. smooth excess & pos. overlays	1	BOAT SHEETS	1
DESCRIPTIVE REPORT	1	OVERLAYS preliminary	9

DESCRIPTION	DEPTH RECORDS	HORIZ. CONT. RECORDS	PRINTOUTS	TAPE ROLLS	PUNCHED CARDS	ABSTRACTS/SOURCE DOCUMENTS
ENVELOPES			1-Smooth			
CAHIERS	1-with printouts & misc. data					
VOLUMES	11					
BOXES						

T-SHEET PRINTS (List)

SPECIAL REPORTS (List)

OFFICE PROCESSING ACTIVITIES
 The following statistics will be submitted with the cartographer's report on the survey

PROCESSING ACTIVITY	AMOUNTS			
	PRE-VERIFICATION	VERIFICATION	REVIEW	TOTALS
POSITIONS ON SHEET				
POSITIONS CHECKED				
POSITIONS REVISED				
DEPTH SOUNDINGS REVISED				
DEPTH SOUNDINGS ERRONEOUSLY SPACED				
SIGNALS ERRONEOUSLY PLOTTED OR TRANSFERRED				
	TIME (MANHOURS)			
TOPOGRAPHIC DETAILS				
JUNCTIONS				
VERIFICATION OF SOUNDINGS FROM GRAPHIC RECORDS				
SPECIAL ADJUSTMENTS				
ALL OTHER WORK				
TOTALS				
PRE-VERIFICATION BY	BEGINNING DATE		ENDING DATE	
VERIFICATION BY	BEGINNING DATE		ENDING DATE	
REVIEW BY	BEGINNING DATE		ENDING DATE	

VERIFIER'S ADDENDUM
H-8169

1. Control

The Descriptive Report was incomplete; the Correction to Shoran and Corrections to Soundings were the only parts of the Descriptive Report available.

2. Position

No shoreline is shown on this survey. A check was made to see if the area of hydrography approached the shoreline. It was found that the area of hydrography fell 1.5 miles south of Matinicus Rock and 0.4 miles south of Monhegan Island, the two bodies of land most closely related to the area of hydro.

All remarks noted in the sounding volumes of this survey were checked as to end of line descriptions, speed of vessel, position information, and corrected position information.

No indication of detached positions, fixed or floating aids to navigation, critical soundings, or any danger to navigation could be found in sounding volumes, fathograms, and/or field sheet for this survey.

The position numbers that were unclear were clarified and duplicated positions were so indicated.

The position overlay was placed over the boat sheet and all work accomplished; force plot, time and course, and electronic corrections were constantly compared. Latitude, longitude, and electronic arcs were compared and verified.

No position or descriptions of bottom samples could be found on any survey data; ~~although~~, a bottom characteristic of "br M" is indicated on the boat sheet at latitude 43° 35' 50", longitude 69° 11' 15".

3. Sounding

Correctors to soundings were used to reduce the soundings.

The soundings applied to the sounding overlay have been corrected for velocity, TC/TI, instrument error, and tides. Tides for the area of hydrography and time period were supplied by the field and verified by EDP.

All computations for reduced soundings were entered in the sounding volumes.

Due to the age of this survey the information concerning velocity, TC/TI, and tide corrections stand as depths are in fathoms, the applied sounding correctors entered in the sounding volumes stand as correct and they have been checked in the field. No attempt was made to correct a sounding for a tenth or two-tenths error in reducing the soundings; however, the fathograms were checked in areas of questionable soundings.

Junction soundings applied to boat sheet cannot be confirmed due to lack of a Descriptive Report that would indicate from which survey or chart soundings were taken.

Notes indicating odd or erroneous soundings were noted and checked before verification of soundings.

Crosslines vary with main scheme due to extremely irregular bottom configuration. Example: at $43^{\circ} 43' 40''$, $68^{\circ} 57' 40''$ - depth 39 over 47 fathoms and at $43^{\circ} 47' 25''$, $68^{\circ} 55' 20''$ - depth 67 over 73.5 fathoms.

General crossline agreement with main scheme in the area of hydrography from $43^{\circ} 34' 00''$ north is within 3 to 6 fathoms in the area from $43^{\circ} 34' 00''$ south agrees to within 1 fathom.

All soundings in question were checked using sounding volumes and fathograms and the surrounding area of soundings were verified. Deleted or missed soundings were verified. Time and spacing were verified using sounding volumes and fathograms.

Depth curves were penciled on boat sheet and were not used to draft depth curves on the sounding overlay.

The sounding overlay and excess level one (1) were placed over the position overlay and the boat sheet to adjust survey data. All work on sounding overlay was accomplished by this method.

As stated before, no mention of floating or fixed aids to navigation could be found in any survey information for H-8169; although, charted aids to navigation appear on prior charts and also on revised editions, before and after this survey.

CAMB-1
1/31/74

ATLANTIC MARINE CENTER

PROJECTION PARAMETERS

POLYCONIC OR MODIFIED TRANSVERSE MERCATOR

1. Project No. CS 265 4. Requested By Verification Branch (DCC)
2. Reg. No. H-8169 5. Ship or Office AMC
3. Field No. ST - 6154 6. Date Required AYC

7. Polyconic Modified Transverse Mercator
8. Central Meridian of Projection 69 ° 05 ' 00 "

9. Survey Scale: 1: 60,000

10. Size of Sheet (check one):

36 x 54 36 x 60 Other Specify 36" x 40"

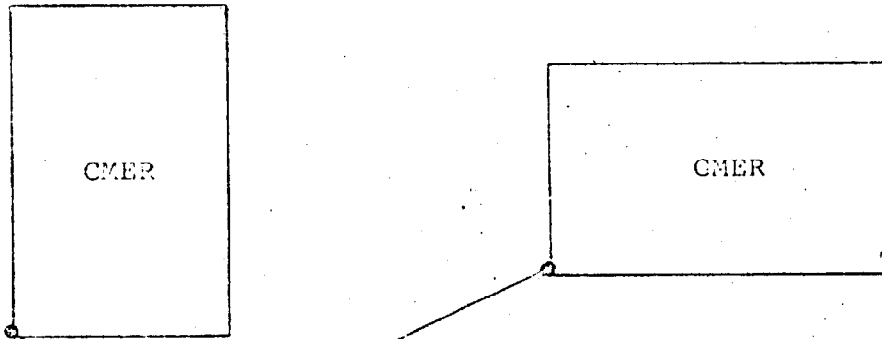
11. Sheet Orientation (check one):

NYX = 1

NYX = 0

N

N



12. Plotter Origin: S.W. Corner of Sheet (not necessarily a grid intersection)

Latitude 43 ° 16 ' 00 "

Longitude 69 ° 27 ' 00 "

13. G.P.'s of triangulation and/or signals attached

14. Material Desired: Tracing Paper Mylar

Smooth Sheet Other Specify _____

15. Remarks: _____

1/21/74

ATLANTIC OCEANIC CENTER

ELECTRONIC COLLECTION OF PARAMETERS

1. Project # 263 2. Proj. # H-8169 3. Field # ST 6154

4. Type of Control: SHORAN (Hi-Fix, Rapid, Tri, etc.)

5. Frequency _____ (for conversion of electronic land to chart)

6. Mode of operation (check one):

Range-Range

Range-Visual

Slave One (R.)

Station I.D. MAT 1

Slave Two (P.)

Station I.D. MONH

Lat. 43 ° 47 ' 00.632

Long. 68 ° 51 ' 19.504

Lat. 43 ° 45 ' 52.979

Long. 59 ° 13 ' 58.16

Hyperbolic (3-station)

Hyper-Visual

Slave One

Station I.D. _____

Master

Station I.D. _____

Slave Two

Station I.D. _____

Lat. _____ ° _____ ' _____

Long. _____ ° _____ ' _____

Lat. _____ ° _____ ' _____

Long. _____ ° _____ ' _____

Lat. _____ ° _____ ' _____

Long. _____ ° _____ ' _____

7. Direction of Survey:

Range-Range

machine, an observer is standing at R. (the) _____ looking directly at R. (check one):

Survey area is to observer's Right

Survey area is to observer's Left

Hyperbolic

looking from survey area toward Master Station:

Slave One must be to observer's Left;

Slave Two must be to observer's Right.

8. This form is submitted as an aid in preparing a chart sheet.

This form applies to all data on this survey.

This form applies to part of the data on this survey.

Transmitted from _____ to _____ (Republic of _____)

by _____ by _____ (Inclusive)

9. Remarks:

1/31/74

ATLANTIC MARINE CENTER

ELECTRONIC CONTROL PARAMETERS

- 1. Project # OPR-265 2. Reg. # H-8169 3. Field # ST 6154
- 4. Type of Control: SHORAN (Hi-Fix, Raydist, EPI, etc.)
- 5. Frequency _____? (for conversion of electronic lanes to meters)
- 6. Mode of Operation (check one):

Range-Range

Range-Visual

Range One (R₁)
 Station I.D. MATJ
 Range Two (R₂)
 Station I.D. MONH

Lat.	<u>43</u> °	<u>47</u> '	<u>00.632</u> "
Long.	<u>68</u> °	<u>51</u> '	<u>19.504</u> "
Lat.	<u>43</u> °	<u>45</u> '	<u>52.979</u> "
Long.	<u>69</u> °	<u>18</u> '	<u>58.816</u> "

Hyperbolic (3-station)

Hyper-Visual

Slave One
 Station I.D. _____
 Master
 Station I.D. _____
 Slave Two
 Station I.D. _____

Lat.	_____°	_____'	_____"
Long.	_____°	_____'	_____"
Lat.	_____°	_____'	_____"
Long.	_____°	_____'	_____"
Lat.	_____°	_____'	_____"
Long.	_____°	_____'	_____"

Location of Survey:

Range-Range

Imagine an observer is standing at R₁ Station and looking directly at R₂ (check one):

Survey area is to observer's Right A=β

Survey area is to observer's Left A=1 ✓

Hyperbolic

Looking from survey area toward Master Station:

Slave One must be to observer's Left;

Slave Two must be to observer's Right.

- 8. This form is submitted as an aid in preparing a boat sheet.
- This form applies to all data on this survey.
- This form applies to part of the data on this survey.

Vessel EDP #	From		To		Position Numbers (inclusive)
	Time	Day	Time	Day	
_____	_____	_____	_____	_____	_____ to _____
_____	_____	_____	_____	_____	_____ to _____
_____	_____	_____	_____	_____	_____ to _____

9. Remarks: _____

Please ✓

Charted Aids to Navigation

<u>Description</u>	<u>Location</u>	<u>Chart</u>
Gull Rock Ledge		
"12 GRL" Bell	43°45.0' 69°18.2'	1203 (2nd Ed., 6/24/36 re 9/24/56)
WHISTLE "12MR"	43°45.1' 68°50.8'	Same as above
(FL W) WHISTLE "14M"	43°45.3' 69°22.5'	Same as above
R"14M" FL 4 sec WHISTLE	43°45.3' 69°22.5'	13302 (11th Ed., 1/8/77)
Gull Rk Ledge		
R"12 GRL" BELL	43°45.0' 69°18.2'	Same as above
R"12 MR" WHISTLE	43°45.1' 68°50.8'	Same as above

HR5
11/6/78

70° 00'

68° 00'

E

Cht. 1000

