8198

Disc. Cht. No. 1000-3.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey HYDROGRAPHIC

Field No. HY-12155 *Office No.* H-8198

LOCALITY

State MAINE

General locality GULF OF MAINE

Locality CASHES LEDGE TO MT. DESERT ROCK

19 55

CHIEF OF PARTY

WALTER J. CHOVAN

CSMA-DC 61300

8198

Form 537
(Ed. June 1946)

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

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.

REGISTER No. H-8198

Field No. Hy-12155

State MAINE

General locality GULF OF MAINE - NORTHEASTERN PART

Locality NORTH OF GEORGES BANK - WEST OF BROWNS BANK

Scale 1:120,000 Date of survey 4 May to 30 Sept. 1955

Instructions dated 7 JANUARY 1955

Vessel HYDROGRAPHER

Chief of party WALTER J. CHOVAN

Surveyed by G.E. MORRIS, W.N. MARTIN, C.A. GEORGE, H.W. KEITH J.D. HODGES & M.B. MILLER

Soundings taken by [illegible], graphic recorder, h[illegible]

Fathograms scaled by L.C. SMITH, D.H. STRAUGHHAN, J.J. CURLEY & L.J. SHILLENN

Fathograms checked by D. MOSCOPULOS

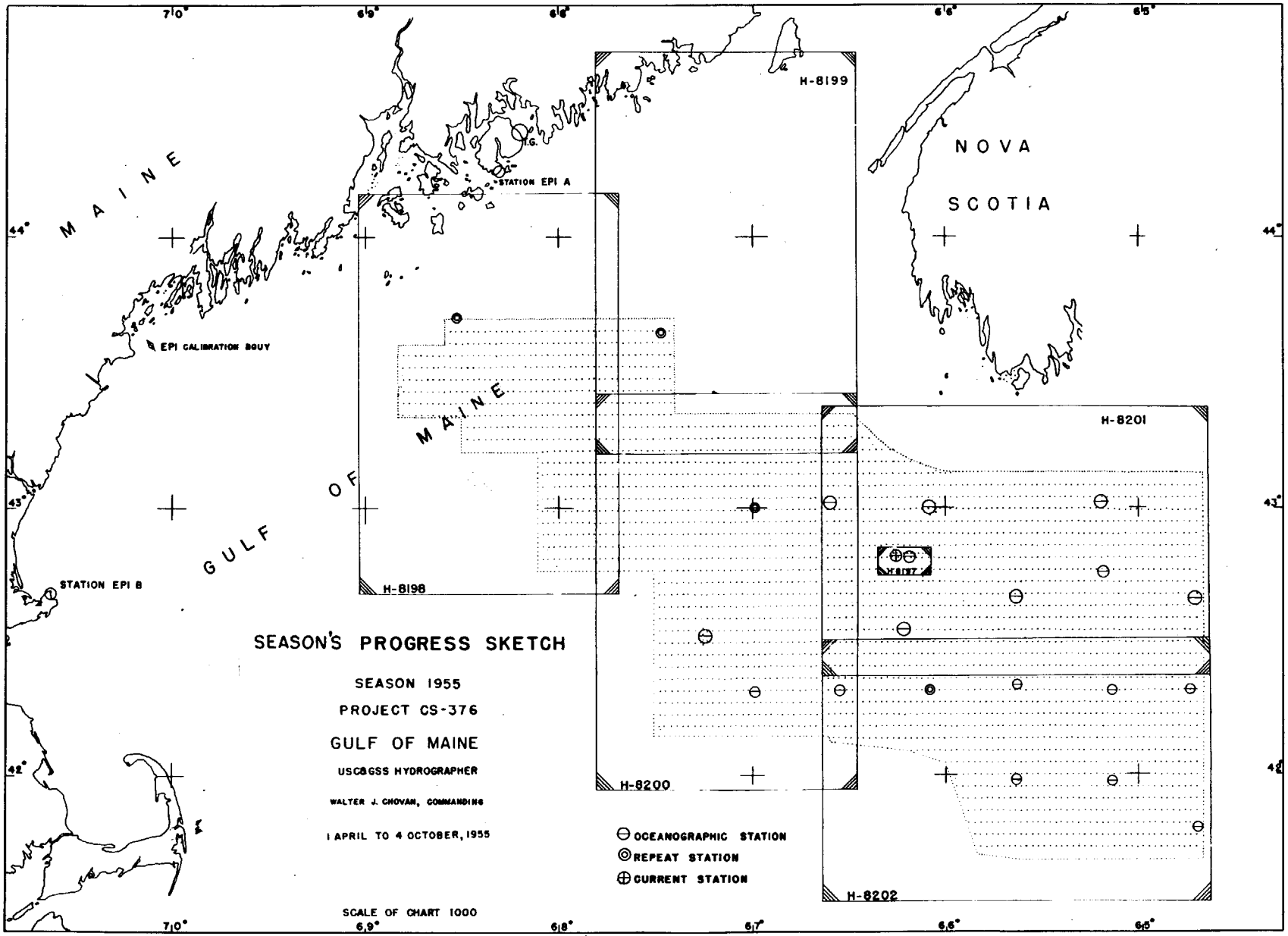
Protracted by A.G. ATWILL -(NORFOLK PROCESSING OFFICE)

Soundings penciled by A.G. ATWILL -(NORFOLK PROCESSING OFFICE)

Soundings in fathoms [illegible] at MLW [illegible]

REMARKS: OFFSHORE SURVEY

U. S. GOVERNMENT PRINTING OFFICE 16—66520-1


MAINE
NOVA
SCOTIA
GULF OF MAINE
EPI CALIBRATION BOUY
STATION EPI A
STATION EPI B
H-8199
H-8198
H-8200
H-8201
H-8202
H-8197
SEASON'S PROGRESS SKETCH
SEASON 1955
PROJECT CS-376
GULF OF MAINE
USC&GSS HYDROGRAPHER
WALTER J. CHOVAN, COMMANDING
1 APRIL TO 4 OCTOBER, 1955
OCEANOGRAPHIC STATION
REPEAT STATION
CURRENT STATION
SCALE OF CHART 1000
7°10'
6°9'
6°8'
6°7'
6°6'
6°5'
44°
43°
42°

Notes for

DESCRIPTIVE REPORT

to accompany

Hydrographic Survey H-8198 (HY-12155)

4 May to 30 Sept. 1955

Ship HYDROGRAPHER

Scale 1:120,000

Walter J. Chovan
Chief of Party

A. PROJECT:

This survey was accomplished under instruction 22-SRO, S-2-HY for Project 1376, dated 7 January 1955 from the Director to the Commanding Officer, Ship HYDROGRAPHER.

B. SURVEY LIMITS AND DATES:

This survey covers that portion of the Gulf of Maine lying midway between Maine and Nova Scotia. The survey is bounded as follows: On the south and west by the project limits, on the east by longitude 67°-45', on the north by latitude 43°-40'.

Junctions were made with contemporary surveys H-8199 and H-8200 on the east side of the survey.

A junction on the south was made with prior surveys H-6564 and H-6565, 1:120,000 (1940).

Field work began 4 May and concluded 30 September 1955.

The completion of the field work on this sheet was prevented by the ending of the field season.

C. VESSEL AND EQUIPMENT:

All work in this survey was accomplished by the Ship HYDROGRAPHER. The Ship's turning radius at sounding speed was 80-120 meters depending upon wind or current conditions. There are no corrections for settlement and squat for soundings taken on the fathom scale.

Soundings were made by two 808-J type depth recorders (153 SPX and 132 SG). Their installation is such that either could be used at will and neither is considered a standby unit. Soundings were made to 160 fathoms with these graphic recorders

Soundings in depths greater than 160 fathoms were made with an Edo model 185 fathometer.

D. TIDE AND CURRENT STATIONS:

No tide or current stations were occupied within the limits of this survey.

Hourly heights for the reduction of soundings were furnished by the Washington Office from the standard automatic gage at Bar Harbor, Maine.

Time and range differences are shown in the attached Tidal Note.

Predicted tides were used in the reduction of boat sheet soundings.

E. SMOOTH SHEETS:

The sheet projections and EPI arcs were hand ruled by the Norfolk Processing Office. The surveys are to be smooth plotted by the Norfolk Office.

These are offshore surveys and contain no shoreline or topographic details.

F. CONTROL STATIONS:

The hydrography on this survey was controlled by EPI system. EPI-A was located at Southwest Harbor, Maine (Lat. 44°-14'-47.65", Long. 68°-17'-37.61") and EPI-B at Cape Ann, Mass. (Lat. 42°-41'-21.79", Long. 70°-38'-07.48").

F. (Continued)

The station sites were selected by the Washington Office, and the geographic positions of these stations was determined by F. B. Quinn, Northeast District Officer, in 1955 and forwarded by him to the Norfolk Processing Office for use in the construction of the boat and smooth sheets.

G. SHORELINE AND TOPOGRAPHY:

These are offshore surveys containing no shoreline or topographic details.

H. SOUNDINGS:

Survey depths were measured by Edo and 808 type graphic recorders as noted in C. The effective length of stylus arm and the paper speed travel for the 808 type machine was determined by standard methods.

Instrumental corrections were determined by simultaneous comparisons between the wire sounding machine and the 808 type fathometers. Simultaneous comparisons were also made between the two 808 fathometers and between the 808 and Edo fathometer. Such comparisons were made at regular intervals throughout the season.

Frequent speed counts of the stylus arm revolutions on the fathom scale were made during the field season.

The wire sounding machine was used with two sheaves during the field season. These sheaves were calibrated in accordance with HM 4641 and their factors determined as follows:

Sheave H-374	0.00482
Sheave H-376	0.00518

The sheave recorders were set to measure directly in fathoms.

Velocity corrections were determined from temperature-depth recordings made at intervals during the field season.

No handlead soundings were taken in the progress of this survey.

I. CONTROL OF HYDROGRAPHY:

The intersection of the two EPI arcs was not less than 45° for any portion of these surveys.

I. (Continued)

EPI calibrations were made at the beginning and end of each trip and their mean used as the correction for that trip. Calibrations were made at the site of a visually located buoy planted by this party for that purpose. Corrections and corrected EPI distances are entered in all sounding records.

J. ADEQUACY OF SURVEY:

The completed portions of these surveys are considered complete and adequate to supersede prior surveys. Surveys H-8198 (68% complete) and H-8199 (8% complete) are not considered adequate since their completed portions require some additional development and crosslines.

Junctions with contemporary surveys are adequate since all necessary depth curves are continuous through the junctions.

K. CROSSLINES:

Crosslines on the completed portions of these surveys were run as follows:

H-8198	6.7%
H-8199	4.4%
H-8200	8.5%

There were no boat sheet discrepancies noted at these crossings.

L. COMPARISON WITH PRIOR SURVEYS:

Prior surveys in the area covered are H-1305, 1:400,000 (1853-1874) and H-5112, 1:200,000 (1931). The age of the first precludes its value for comparison purposes. The soundings on H-5112 lie generally beyond the 100 fm. curve and their value for comparison purposes was questioned in the original instructions. The remaining survey of this area is H-1532, 1:240,000 a reconnaisance survey of 1882. For these reasons the survey comparisons will be limited to those made with the latest and largest scale chart of the area.

M. COMPARISON WITH CHART:

The following comparison covers the area surveyed by H-8198, H-8199, H-8200. The comparison is made with Chart 71, print date 8-10-53, corrected to 3-26-55. The comparison includes those soundings cited for investigation in the preliminary review by the chart division.

M. (Continued)

In general the area covered by H-8200 shows good agreement with the charted soundings and depth curves. The isolated soundings listed below were not found.

Latitude	Longitude	Sounding
42° - 31.2'	66° - 41.7'	97
42° - 36.0'	66° - 48.6'	93
42° - 40.5'	66° - 51.0'	90
42° - 41.0'	66° - 55.3'	90

The 100 fm. shoal charted in latitude 42°-46.3', longitude 67°-26.7' was located as charted. The least depth obtained was 99 fathoms on position 38 S ∠ 2 minutes.

The shoal charted in latitude 43°-16.1', longitude 67°-03.9' was located as charted. The 90 fathoms on position 89 MA ∠ 6 minutes is recommended for charting.

The 86 fathoms (position 46 FA) located in latitude 43°-19.5', longitude 67°-23.7' is recommended for charting.

The area surveyed on H-8199 covers that portion of chart 71 covered by the compass rose and is an area of few soundings. Agreement with the charted soundings is good.

The 78 fathoms located on position 5 G - 1 minute in latitude 43°-21.4', longitud e 67°-29.3' is recommended for charting.

The 75 fathoms charted in latitude 43°-35.7', longitude 67°-07.9' and cited for investigation in the Preliminary Review was not covered by this survey.

The area surveyed on H-8198 shows good agreement with the charted soundings and depth curves.

The 96 fathoms located in latitude 43°-16.0', longitude 67°-56.6', position 129AA is recommended for charting.

M. (Continued)

The isolated shoal charted in 43°-19.8', 68°-14.0' is actually an extension of the 100 fm. curve and should be so charted. The least depth recommended for charting on this shoal is the ~~82~~ 81 fms. of position 25 D, latitude 43°-~~19.8~~ 18.3', longitude 68°-22.~~2~~ 5'.

The below listed soundings were noted on the Preliminary Review for investigation:

43° - 22.5'	68° - 39.5'	49
43° - 24.5'	68° - 34.1'	46
43° - 25.5'	68° - 32.6'	46
43° - 26.0'	68° - 31.0'	70

These appear to be charted 3 - 5 miles east of their ~~charted~~ actual location.

The below listed soundings are believed to be more repr esentative of the true location and depth of the shoals and should be so charted.

Latitude	Longitude	Depth	Position
43°-21.3'	68°-44.4'	36	34 R ≠ 5 minutes
43°-26.3'	68°-40.3'	42	23 U ≠ 2 minutes
43°-~~29.8~~ 38.3'	68°-~~37.8~~ 38.4'	59 60	33 PA ≠ 4 minutes 43PA + 8

The ~~50~~ 49 fathoms of position ~~1 QA -2~~ minutes in latitude 43°-~~32.6~~ 33.0', longitude 68°-31.~~1~~ 7' is also recommended for charting.

N. DANGERS AND SHOALS:

No new dangers or shoals were found with the exception of those previously listed in M.

O. COAST PILOT INFORMATION:

These are offshore surveys. During the field season the Ship HYDROGRAPHER based out of the Naval Reserve Base at South Portland, Maine. No additions or revisions are recommended to Coast Pilot notes for Portland Harbor and eastern approaches.

P. AIDS TO NAVIGATION:

No fixed or floating aids to navigation were located in these surveys.

Z. TABULATION OF DATA:

The EPI Report, Velocity Report, Fathometer Report, and Settlement and Squat Report, for the entire project will be forwarded under separate cover. Copies will be furnished the processing office. The lists of applicable correctors for this survey are attached.

E.K. McCaffrey
Lt.(j.g.), C&GS

FORWARDED:

J.C. Partington
CAPT., C&GS
Chief of Party

TIDE NOTE

to accompany

H-8198 H-8199 H-8200

Tide Station: Bar Harbor, Maine

Latitude: 44° - 25.5' N

Longitude: 68° - 12.3' W

Plane of Reference: Mean Low Water = 3.4 feet on tide staff (Director's letter of 6 June 1955; 36-275-982h)

Area Covered	Height Correction	Time Correction
H-8198	0.9 (Ratio of Range)	0.0 (75Th)
H-8199	1.0 (Ratio of Range)	-0.5hr. (Meridian)
H-8200	0.8 (Ratio of Range)	-0.5hr. (Time)

This station is a standard automatic tide gage and was last inspected by the East Coast Tide Party in August 1955. It was previously inspected by an officer from this ship at the start of the field season to insure its proper operation. The time and height corrections were furnished by the Washington Office.

STATISTICS

to accompany

Survey H-8198 (HY 12155)

Date (1955)	Day Letter	Vol.	No. Pos.	Stat. Mi. Sdg.
4 May	A	1	31	61.2
5 "	B	1	66	104.6
12 "	C	1	9	19.6
13 "	D	1	37	74.1
19 "	E	1	10	17.3
20 "	F	1	41	94.3
26 "	G	1-2	87	161.8
6 June	H	2	9	17.9
7 "	J	2	63	117.7
14 "	K	2	12	16.2
15 "	L	2	38	48.3
20 "	M	2	30	55.8
21 "	N	2	41	61.0
28 "	P	3	94	127.1
29 "	Q	3	8	10.9
7 July	R	3	42	64.4
8 "	S	3	62	85.7
15 "	T	3	33	62.3
22 "	U	3	38	54.3
23 "	V	4	52	64.9
29 "	W	4	41	65.6
30 "	X	4	44	74.8
5 Aug.	Y	4	41	59.8
6 "	Z	4	68	107.0
10 "	AA	5	151	250.3
11 "	BA	5	142	212.4
12 "	CA	6	49	93.0
13 "	DA	6	9	12.7
21 "	EA	6	31	57.5
23 "	FA	6	10	14.4
31 "	GA	6	34	59.0
6 Sept.	HA	6	13	26.2
7 "	JA	6	84	125.2
15 "	KA	7	14	22.6
16 "	LA	7	24	33.4
22 "	MA	7	11	21.3
23 "	NA	7	61	92.9
29 "	PA	7	43	66.9
30 "	QA	7	14	23.0
TOTALS:	-----	7	1687	2737.4

No. Oceanographic Stations: 1

Area Surveyed: 2351.4 Sq. Stat. Mi.

PROJECT 1376

1956

ABSTRACT OF EPI CORRECTORS

Trip No.	Dates	EPIA	EPIB	Remarks
1	4-13 May	-5.5	-6.0	*Positions 79 to 91 Sheet H-8202 only, Set No. 11
			-4.3*	
2	19-27 May	-3.5	-5.1	
3	6-15 June	-7.5	-6.3	
4	20-29 June	-6.1	-5.8	
5	7-15 July	-3.8	-3.5	
6	22-30 July	-4.9	-4.7	
7	5-14 August	-4.1	-3.8	
8	22-31 August	-3.1	-4.6	
9	6-16 Sept.	-2.5	-4.9	
10	22-30 Sept.	-2.4	-4.5	

CHKD: HWK

ABSTRACT

INSTRUMENTAL & PHASE CORRECTIONS

800 Fathometers

132

Scale	0.2 corr.	0.5 corr.
A Scale	0.0	
B Scale	-0.8	
C Scale thru June	-1.0	-1.0
C Scale July on	-2.0	-2.0
D Scale thru June	-0.6	-0.5
D Scale 1 thru 23 July	-1.6	-2.0
D Scale 24 July on	-2.6	-2.5

153

A Scale	0.0	
B Scale	+1.2	
C Scale thru 9 September	+1.2	+1.0
C Scale 10 September on	+0.6	+0.5
D Scale thru 9 September	-0.2	-0.5
D Scale 10 September on	-0.8	-1.0

ABSTRACT

INSTRUMENTAL & PHASE CORRECTIONS

Edo Fathometer

Depth & Scale	Correction
0 - 150	-2.5
150 - 600	-3.0
600 - 1800	-4.0

NBC II Fathometer *

Depth & Scale	Correction
0 - 400	∮16.0
400 - 800	∮30.0
Deep Scale	∮16.0

* See Fathometer Correction Report, NBC II Fathometer, Instrumental & Phase Corrections.

ABSTRACT

VELOCITY CORRECTIONS

1955

Sheets H-8198, H-8199

Table #1

May through July (A)

Table #2

Edo & NMC

Fm.	Corr.
32 - 42	+2.2
42 - 70	+2.4
70 - 89	+2.6
89 - 101	+2.8
101 - 144	+3.0
144 - 150	+3.5
150 - 179	+3.0
179 - 280	+4.0
280 - 470	+5.0

808

Fm.	Corr.
21 - 26	-0.3
26 - 31	-0.4
31 - 40	-0.6
40 - 50	-0.8
50 - 62	-1.0
62 - 74	-1.2
74 - 86	-1.4
86 - 101	-1.6
101 - end	-2.0

Table #3

August - September (B)

Table #4

Edo & NMC

Fm.	Corr.
31 - 38	+2.4
38 - 56	+2.6
56 - 75	+2.8
75 - 95	+3.0
95 - 101	+3.2
101 - 125	+3.0
125 - 150	+3.5
150 - 200	+3.0
200 - 280	+4.0
280 - 470	+5.0

808

Fm.	Corr.
23 - 31	-0.2
31 - 46	-0.4
46 - 60	-0.6
60 - 75	-0.8
75 - 88	-1.0
88 - 101	-1.2
101 - 133	-1.5
133- end	-2.0

Comp: HWK
Chkd: EMcC

EDO & NMC corrections include draft correction of +2.0 fm.

APPROVAL SHEET

H8198
H8199
H8200

The field work accomplished on these surveys was under my immediate supervision. Daily inspections of fathograms, records, and boat sheets was made as the surveys progressed.

The records and boat sheets were reviewed and approved by me through the period of processing while I was Chief of Party.

These surveys were made in going to and from the working grounds further out in the project area. Lack of time during the field season prevented full coverage called for in the project instructions.

Sheet H8200 was covered, but the line spacing was spread in order to permit full coverage of the area of the sheet.

Sheets H8198 and H8199 did not cover the areas given by the project limits for those sheets, due to the above mentioned lack of time during the field season. The percentage of coverage of the sheets is given in the body of this report.

Walter J. Chovan
Cdr. C&GS

NORFOLK PROCESSING OFFICE
ADDENDUM
To Accompany

HYDROGRAPHIC SURVEY H-8198 (Hy-12155)

GENERAL

No unusual difficulties were experienced during the smooth plot of this survey. The intersections of the arcs are strong and the positioning checks time and course very well.

SOUNDINGS

Soundings are in generally good agreement at crossings. There are several instances of apparent fathometer time discrepancies on NA day, how-ever, soundings are in fair agreement as plotted and the application of the indicated corrections would create definate descrepancies at crossings. Note the application of a +8.0 fathom correction to soundings between positions 16 and 22NA.

CHART COMPARISON

See the attached chart section showing a comparison between smooth sheet soundings and charted depths.

Norfolk, Va.
23 May 1960

Respectfully submitted,

Hugh L. Proffitt
Cartographer

H - 8198

Smooth Plotters' Comparison of Soundings —

Chart 7 (Revised 8/24/59)	Smooth Sheet.	Positin	Lat	Long
83	93^{9}	4-5 D	42° 55.02	68° 08.00 ✓
91	86^{2}	15-16 P	42° 50.04	68° 05.2 —
81	80^{6}	30-31 V	43° 06.3	68° 02.6 —
	87^{4}	3-4 N	43°09.0	68° 06.5 —
	88	11-12 D	43°07.0	68° 07.5 ✓
108	99^{7}	52-53 NA	43° 00.8	67° 51.7 —
—	79^{5}	124-125 BA	43° 04.0	67° 46.1 ✓
85	81^{6}	116-117 AA	42° 55.5	67° 56.5 —
74	73	36-37 V	42° 57.5	68° 02.5 —
113	122	42-43 P	43° 23.2	68° 04.2 —
—	119^{0}	5 K	43° 20.1	67° 47.8 —
—	114^{5}	95 BA	43° 21.7	67° 48.5 —
98	134	2-3 K	43° 19.9	67° 46.3 —
—	116	48-49 BA	43° 18.2	67° 50.4 —
—	119^{5}	30-31 BA	43° 17.7	67° 52.5 —
133	126	149-150 AA	43° 17.8	67° 54.5 —
97	96^{6}	36-37 NA	43° 12.0	67° 59.4 —
—	99^{0}	14-15 A	43° 12.2	68° 30.5 — ✓
82	81^{2}	24-25 B	43° 18.8	68° 22.5 —
—	89	7-8 E	43° 21.3	68° 35.0 —
90	88^{3}	4-5 J	43° 22.7	68° 31.0 —
~~44~~	~~79 91-92 B~~		~~43° 24.8~~	~~68° 34.0~~

—	118[5] 63-64 B	43° 41.7	67° 49.5 —
—	125[S] 135-136 AA	43° 26.0	67° 56.7 —
—	60[2] - 54 JA	43° 41.8	68° 35.6 —
—	68[6] . 27-28 PA	43° 30.4	68° 29.5 —

RHC

Form 712
DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
Rev. Apr. 1950

TIDE NOTE FOR HYDROGRAPHIC SHEET

22 June 1960

~~x Division of Coast Surveys x~~

Division of Charts: R. H. Carstens

Plane of reference approved in
7 volumes of sounding records for

HYDROGRAPHIC SHEET 8198

Locality Gulf of Maine, Maine

Chief of Party: W. J. Chovan in 1955
Plane of reference is mean low water
ft. on tide staff at
ft. below B. M.

Height of mean high water above plane of reference is 9.4 feet.

Condition of records satisfactory except as noted below:

William Shoemaker
Chief, Tides Branch
~~Chief, Division of Tides and Currents~~

U. S. GOVERNMENT PRINTING OFFICE 877933

FORM 1557
(3-16-55)

GEOGRAPHIC NAMES

Survey No. H-8198

Name on Survey	A On Chart No. 11	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 BGN	
Mt Desert Rock (Title)	✓									1
Cashes Ledge	✓								✓	2
Newfound Ground	✓									3
Outer Fall	✓									4
Jeffreys Bank	✓								✓	5
State Bank	✓									6
Sewell Ridge	✓									7
										8
										9
										10
										11
										12
										13
										14
										15
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										25
										26
										27

George D. Baer
Geographic Names
15 June 1960

Form 946

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. 8198...

Records accompanying survey: Smooth sheets 1....;

boat sheets .1..; sounding vols. ..7..; wire drag vols. .....;

Descriptive Reports .1..; graphic recorder envelopes .8...;

special reports, etc. ..1 Cahier-E.P.I. Abstracts.....

.....

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

Number of positions on sheet		1687
Number of positions checked		Gerber Digital Plotter
Number of positions revised		Same
Number of soundings revised (refers to depth only)		Same
Number of soundings erroneously spaced		None
Number of signals erroneously plotted or transferred		None
Topographic details	Time	None
Junctions	Time	76 hrs
Verification of soundings from graphic record	Time	....?
Special adjustments	Time	4 hrs

Verification by JC Chambers, DJ Romesburg, JH Cosgrove..... Total time ..199.. Date 11/17/71

Reviewed by ..... Time ..... Date .....

H

H-8198
VERIFIERS REPORT

Part 2-4. No shoreline on this sheet

5. No Topographic information on this sheet

7. NO Signals on this sheet.

Part 3-10 Junctions were Satisfactory.

IV-12. Sounding records Satisfactory.

Part V - Protracting - Sheet produced by Gerber-digital Plotter.

VI Soundings - Crossings satisfactory - cross lines for this sheet not completed due to lack of time.

Part VII 23 Curves - 10 fathom curves approved by PH Carstens Oct 25 19[illegible]

25 Western Area between Latitudes 43°20' & 43°40' and Longitude 68°50' & 69°00' adjoining sheet ~~[illegible]~~ junction - Stylli in field

Part VIII Aids to Navigation None on sheet.

IX Boat Sheet - ?

X General.

Hydro Sheet H-6669 has 110 fathom curve in orange instead of brown.

FORM C&GS-946A
(REV. 2-1-64)
(PRES. BY HYDROGRAPHIC MANUAL, 6-94)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

VERIFIER'S REPORT

HYDROGRAPHIC SURVEY, H-8198

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
Note: The verifier should first read the Descriptive Report for general information and problems.		
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	✓	
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	✓	
3. All reference to survey sheets mentioned in the Descriptive Report should include registry number and year. Remarks Required: -- None	✓	
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 None c. Field Edit date d. Reviewed-Unreviewed	✓	
5. The transfer of contemporary topographic information was carefully examined and reconciled with the hydrography. Remarks Required: -- Discuss remaining differences. None	✓	
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 None	✓	
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.		None
Part III - JUNCTIONS **Note:** Make a cursory comparison preliminary to inking soundings in area of overlap.		
8. All junctions of contemporary or overlapping sheets were transferred in colored ink and overlapping curves were made identical. Remarks Required: -- None	✓	
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	✓	

Part III - JUNCTIONS (Continued)	CL	R
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.**		
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	✓	
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		
Part V - PROTRACTING		
13. All positions verified instrumentally were check marked in color in the sounding records, and verifier initialed the processing stamp. Remarks Required: -- None Gerber Plotted		
14. The protracting and plotting of all unsatisfactory crossings were verified. Remarks Required: -- None	✓	
15. All detached positions locating critical soundings, rocks, buoys, breakers, obstructions, kelp, etc., were verified and the position numbers are legible. Remarks Required: -- None	✓	

Part V - PROTRACTING (Continued)	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.	✓	
17. The protractor has been checked within the last three months. Remarks Required: -- Date of check, type of protractor and number. Gerber Plotter		
Part VI - SOUNDINGS		
18. All soundings are clear and legible, and critical soundings are a little larger than adjacent soundings. Remarks Required: -- None	✓	
19. Sounding line crossings were satisfactory except as follows: Remarks Required: -- Discuss adjustments.		
20. The spacing of soundings as recorded in the records was closely followed; Remarks Required: -- None	✓	
21. The scanning, reduction, spacing, plotting of questionable soundings have been verified. Remarks Required: -- None	✓	
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.	✓	
Part VII - CURVES 10 fathom interval approved		
23. The depth curves have been inspected before inking. Oct 26, 1971 Remarks Required: -- By whom was the penciled curves inspected. RH Carstens	✓	
24. The low-water line and delineation of shoal areas have been properly shown in accordance with the following: None 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	✓	
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.		

Part VIII - AIDS TO NAVIGATION	CL	R
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. None		
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 None		
Part IX - BOATSHEET		
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	✓	
29. Heights of rocks awash were correctly reduced and compared with topographic information. Remarks Required: -- Note excessive conflicts with topographic information. None	✓	
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	✓	
31. Unnecessary pencil notes have been removed from the sheet. Remarks Required: -- None	✓	
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	✓	
33. The bottom characteristics are adequately shown. Remarks Required: -- None		
Part XI - NOTES TO THE REVIEWER		
34. Unresolved discrepancies and questionable soundings.		
35. Notation of discrepancies with photogrammetric survey inserted in report of unreviewed photogrammetric survey or on copy.		
36. Supplemental information.		

Verified by H Cosgrove

Date 12/17/71

FORM C&GS-946A (2-1-64)

USCOMM-DC 6623-P64

VAULT

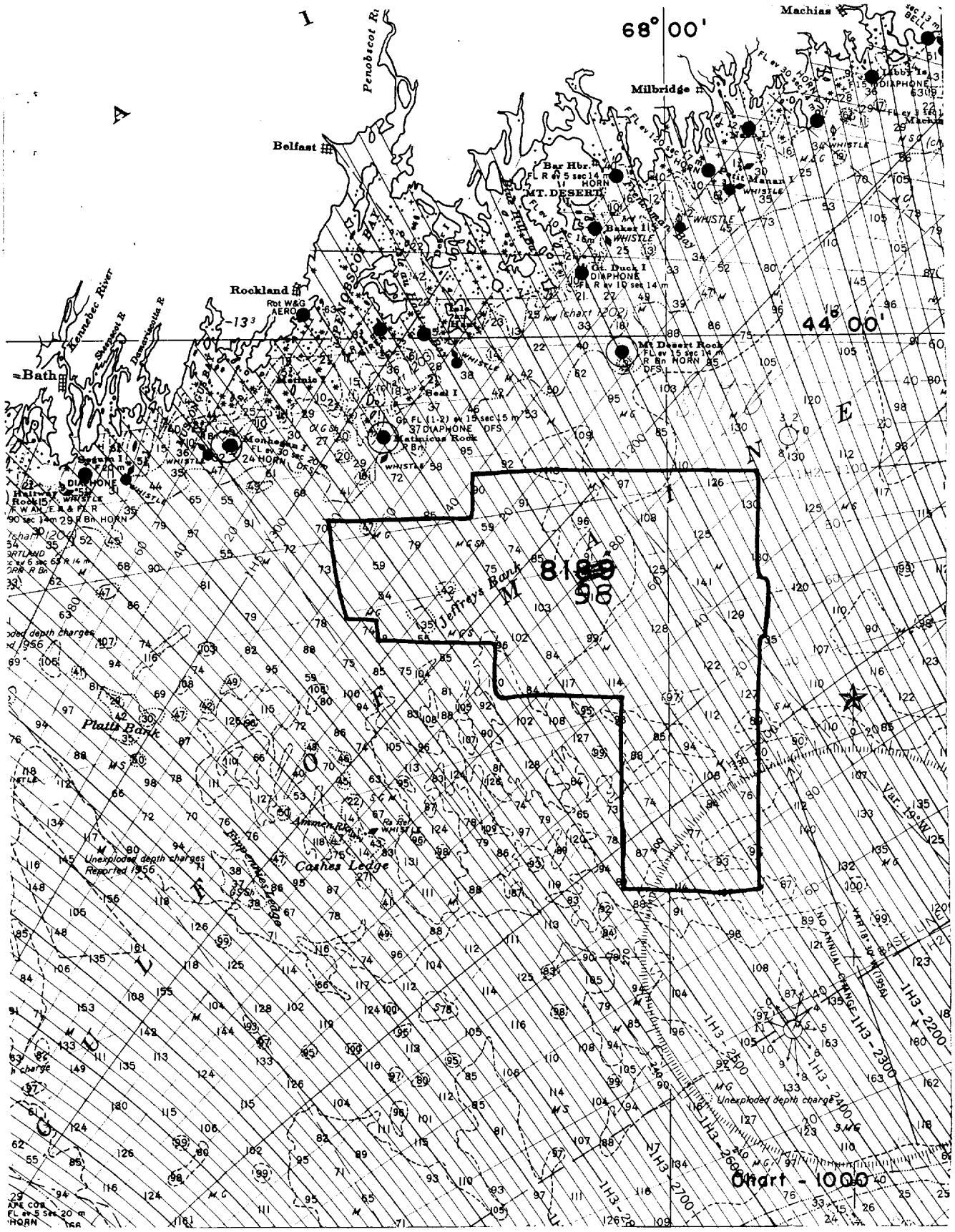
154 27290 Pl.

H-6564 & D.R.
H-6565 + "
H-8200 + "
H-8668 + "
H-8669 + "

for

H-8198

Junction Sheets


68° 00'
44° 00'
Machias
Milbridge
Belfast
Rockland
Bath
Penobscot R.
Kennebec River
Sheepscot R.
Damariscotta R.
PENOBSCOT BAY
MT. DESERT
Bar Hbr. R
Baker I
Gt. Duck I
DIAPHONE
Mt Desert Rock
Matinicus Rock
Seal I
Kenduskeag I
Platts Bank
Jeffreys Bank
Cashes Ledge
Ammen Rk
Fippennies Ledge
Unexploded depth charges Reported 1956
Unexploded depth charge
Chart - 1000
1H3 - 2200
1H3 - 2300
1H3 - 2400
1H3 - 2500
1H3 - 2600
1H3 - 2700
Var. 19° W
ANNUAL CHANGE 1H3 - 2300 MAR 18, 30' W (1954)
BASE LINE

NAUTICAL CHARTS BRANCH

SURVEY NO. H-8198

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
6-22-60	71	F.M. Albert	No correction Before ~~After~~ Verification and Review
June 1960	1000	JTW	Add a few obsp. to agree with Cht 71 Before ~~After~~ Verification and Review JMG
8-24-60	70	DR. Wittmann	No corr. Before ~~After~~ Verification and Review
10-16-61	1106	R.E. Elkins	Before ~~After~~ Verification and Review Partly applied
			Revised & added numerous soundings
3-7-90	13260	Russell P Kennedy	Before ~~After~~ Verification and Review Adequately applied
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.