9503

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. ECFP-1359 *Office No.* H-

LOCALITY

State Maine

General locality East of Petit Manan Island

Locality Machias River

19 59

CHIEF OF PARTY

Howard S. Cole

LIBRARY & ARCHIVES

DATE

COMM-DC 61300

9503

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-

Field No. ECFP-1359

State Maine

General locality East of Petit Manan Island - Maine Coast see also other title sheet

Locality Machias River

Scale 1:10,000 Date of survey 10 August-26 August 1959

Instructions dated 222/MEK, S-2-WA & HI, FP-EAST COAST 19 December 1958

Vessel CS-183

Chief of party Howard S. Cole, CDR

Surveyed by LT(jg) John J. McCoy, LT(jg) Phillip R. Rotondo, ENS Arthur H. Goldberg

Soundings taken by fathometer, ~~graphic recorder, hand lead, wire~~

Fathograms scaled by Party personnel

Fathograms checked by Party personnel

Protracted by

Soundings penciled by

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

REMARKS: Little Kennebec Bay will be surveyed on this sheet at a later date. This report only includes the Machias River portion of the sheet.

Applied to stds 10/11/77

VB - Cat. 1 No further processing to be done

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

DESCRIPTIVE REPORT
TO ACCOMPANY

Hydrographic Survey H- , Field No. ECFP-1359
Machias River and Little Kennebec Bay
Vicinity of Machias, Maine

PROJECT: CS-408 SCALE: 1:10,000
EAST COAST FIELD PARTY HOWARD S. COLE, CHIEF OF PARTY
SURVEYED BY: LT (jg) John J. McCoy
LT (jg) Phillip R. Rotondo
ENS Arthur H. Goldberg

A. PROJECT

Work on project CS-408 was executed in accordance with Instructions 222/MEK, S-2-WA & HI, FP-EAST COAST, dated 19 December, 1958.

B. SURVEY LIMITS AND DATES

The area covered by this survey is the Machias River and Little Kennebec Bay, in the vicinity of Machias, Maine.

Work on the Machias River portion was started on 10 August 1959 and ended 26 August 1959. This area extends from a line (longitude 67° 23.00'W) to the head of Navigation on the Machias River (latitude 44° 42.85'N, longitude 67°27.45'W), and to a point on the East Machias River (latitude 44° 43.86'N, longitude 67° 23.39'W), a tributary of the Machias River. This portion makes junction with contemporary survey H-8482 1959, ECFP-1259, to the east.

Work of the Little Kennebec Bay portion will be executed during the next survey season in Maine.

C. VESSELS AND EQUIPMENT

Launch CS-183 was used on the entire survey, which was based at Machiasport, Maine. This is a 33-foot, wooden-hulled, cabin-type craft, with a turning radius of 25 meters at half rudder and standard speed.

An Edo-type fathometer, No. 255C-16 was used on the entire survey. Launch CS-183 was equipped with two transducer hull fittings, one on each side of the keel, in accordance with C&GS Specification FU-2053. A Kato convertor was used to convert to A.C. power.

D. TIDE AND CURRENT STATIONS

The tide station used for control on the entire Machias River portion of the survey was a portable automatic tide gage, located on the end of Stimson's Wharf at Machiasport, Maine (latitude 44°41.87'N, longitude 67° 23.63'W).

Data for reduction of sounding volumes may be taken directly from the station records without time or range correction.

There were no current stations within the limits of the survey.

3

E. SMOOTH SHEET

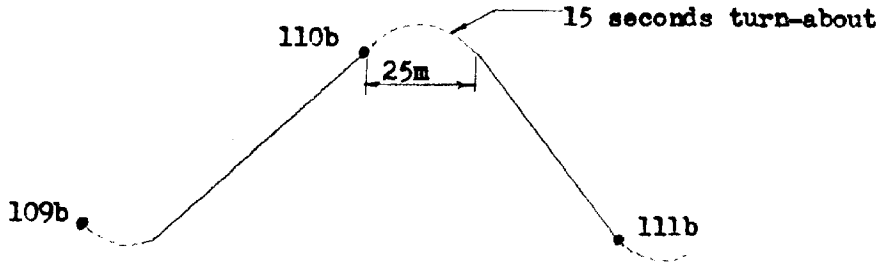
When plotting the soundings on the smooth sheet for the "saw-tooth" river crossings of the survey, the following data should be taken into account:

a. The launch made turns-about in fifteen seconds time

b. The turns were 25 meters in diameter

c. Regular sounding spacing (time) was maintained around the turns

Example:



F. CONTROL STATIONS

The following triangulation stations were used for this survey:

STATION	SIGNAL	G.P.VOL.*PGE	CH.OF PTY
Fletcher, recovered 1959	LET	1-194	CHB, 1882
Machiasport Old Church, recovered 1959	OLD	1-222	FPW, 1862
Machiasport Town Hall, recovered 1959	HAL	1-220	CHB, 1882
Burnham Captain House Chimney, recovered 1959	CAPT	1-220	FPW, 1862

The following topographic signals were employed as control for this survey:

STATION	SIGNAL NAME	MANUSCRIPT
Chimney, 1946	CHI	T-8795 N/2
Cupola, 1946	CUP	T-8795 N/2
Gable, 1946	MEN	T-8795 N/2
Spire, 1946	SPY	T-8795 N/2
Chimney, 1946	YOU	T-8795 N/2
Gable, 1946	TIN	T-8795 N/2
Gable, 1946	PRO	T-8795 S/2
Chimney, 1946	SAG	T-8795 N/2

G. SHORELINE AND TOPOGRAPHY

Shoreline and topographic details were obtained from photographic manuscripts T-8795 N/2 and T-8795 S/2.

There were no discrepencies found during the hydrographic survey regarding shoreline and topography. Due to the large range of tide, with the resulting mud flats baring at low water, all cross-river lines were run at fairly high water, and were stopped when the hydrographer knew he had established the zero-depth curve.

H. SOUNDINGS

All soundings were taken by Edo 255C-16 fathometer, which was operated at a frequency of 60.5 cycles per second. All bar checks were also taken daily at this frequency.

I. CONTROL OF HYDROGRAPHY

All hydrographic control was accomplished by standard visual methods with sextant angles taken on shore objects. Most positions were taken at one-minute intervals.

J. ADEQUACY OF SURVEY

The Machias River portion of this survey is considered complete and is adequate to supercede prior surveys for charting. The Little Kennebec Bay portion will be surveyed during a future season.

K. CROSSLINES

The river was developed by lines approximately perpendicular to the channel. The channel was further developed by three lines parallel to it, one down the center and one along each edge. These channel lines are to be considered as crosslines, which far exceed the ten percent required in the project instructions.

L. COMPARISON WITH PRIOR SURVEYS

A comparison with C&GS Sheet (register number) 1687, September-October, 1885 shows a general agreement of depth curves. West of the Machiasport Swing Bridge (latitude 44° 42.88'N, longitude 67° 24.25'W), prior survey data was not available when this report was written. However, the depth curves at the bridge agree satisfactoraly.

The zero-depth curve in the East Machias River agrees with the prior survey, extending north to latitude 44° 43.85'N. The six-foot-depth curve on this survey extends about 600 meters further upstream than on the prior survey. However, the channel enclosed by the six-foot curve west of longitude 67° 23.5'W is only about ten meters wide.

M. COMPARISON WITH CHART

A comparison with C&GS Chart 304. 5th edition, 18 May 1959 shows a general agreement of depth curves. The zero-depth curve outlining the Randall Point Flats (latitude 44°41.2', longitude 67° 23.5'W) has shifted about 350 meters east at latitude 44° 41.2'N.

A shoal in the west branch of the Machias River (latitude 44° 43.16'N, longitude 67° 26.78'W) is shown in the same position on the chart.

N. DANGERS AND SHOALS

Clearance was measured at the Machiasport Swing Bridge on 26 August 1959, (1g day), and the [redacted]hing was found:

Field data: clearance = 8.9' at 14:55, 26 August 1959

From marigram: tide = 11.3' above MLW at 14:55

From tide tables, C&GS, 1959, page 659:
Mean spring HW = 6.5 + ½(14.8) = 13.9 above MLW
MHW = 13.0 above MLW

Computations:

Clearance at MHW =	8.9 + (13.0 - 11.3)	= 7.2'
Clearance at mean spring HW =	8.9 + (13.9 - 11.3)	= 6.3'
Clearance at MLW =	8.9 + (11.3)	=20.2'

C&GS Chart 304 shows a vertical clearance of four feet, which is conservative.

Position 12c day, 12 August 1959 (latitude 44° 42.31', longitude 67° 23.64') marks the offshore end of an abandoned fish weir, which is bare 0.5' at low water, but submerged at high water. This is considered a dangerous area.

A shoal has extended is a southwesterly direction past the channel marked by nun buoys no. 6 and no.8. To follow the channel to Machiasport, the course should be 290° (true) from buoy no. 6 for 450 meters, and then 321° (true) until you pass buoy no. 8.

A sand bar splits the channel (latitude 44° 43.16'N, longitude 67° 26.78'W) in the vicinity of Machias. It is recommended that you keep the bar to port running upstream.

O. COAST PILOT INFORMATION

There is only one addition or change to the Coast Pilot to report in the Machias River. See paragraph 3 of section N, regarding buoys no. 6 and 8.

P. AIDS TO NAVIGATION

Buoy Name	Latitude	Longitude	Depth	Day	Date
Nun buoy no. 8	N 44° 41.16'	W 67° 23.54'	29.8'	1a	10 Aug.1959
Nun buoy no. 6	N 44° 40.87'	W 67° 23.06'	31.4'	2a	10 Aug.1959

Q. LANDMARKS FOR CHARTS

No new landmarks are recommended for charting within this portion of the survey.

R. GEOGRAPHIC NAMES

There are no new geographic names to report.

S. SILTED AREAS

Silted areas were not encountered in the survey area

T. BY-PRODUCT INFORMATION

None

U-Y. MISCELLANEOUS

No difficulties were encountered.

Respectfully submitted,

Arthur H. Goldberg

Arthur H. Goldberg
ENS, C & G S

Appendix Attachments

A. List of Control Stations
B. Statistics
C. Velocity Corrections
D. Tidal Notes
E. Approval Sheet

APPENDIX A
LIST OF CONTROL STATIONS
Hydrographic Sheet H- (ECFP-1359)

STATION	ORIGIN	MANUSCRIPT
TRIANGULATION:		
LET	Fletcher, 1882	T-8795 N/2
OLD	Machiasport Old Church, 1882	T-8795 N/2
HAL	Machiasport Town Hall, 1882	T-8795 N/2
CAPT	Burnham Captain House Chimney, 1862	T-8795 N/2
TOPOGRAPHIC:		
CHI	Chimney, 1946	T-8795 N/2
CUB	Cupola, 1946	T-8795 N/2
MEN	Gable, 1946	T-8795 N/2
SPY	Spire, 1946	T-8795 N/2
YOU	Chimney, 1946	T-8795 N/2
SAG	Chimney, 1946	T-8795 N/2
TIN	Gable, 1946	T-8795 N/2
PRO	Gable, 1946	T-8795 S/2

PHOTO-HYDRO:

Manuscript T-8795 N/2

DIM	MAG	TOT	SIM	ZON	BUT
DOC	BED	OAK	MIS	CUM	WED
EIF	BIO	SEE	RAY	GIN	BEN
SAM	GAM	YEL	HOE	TRY	SET
WAX	ORE	WAR	GOV	SAX	REB
RIN	TED	TAC	HIS	HER	HIT
MIN	RAF	JON	BIT	MAC	BAA
CAT	ALP	LEO	WOT	HAD	POT

Manuscript T-8795 S/2

REC
PIN
JUN

HYDRO-SIGNALS:

	Vol. No.	Page
RIV	2	28
WEL	2	28
POL	2	28
TIP	2	28
SUE	1	67

APPENDIX B
STATISTICS TO ACCOMPANY
Hydrographic Sheet H- (ECFP-1359)
Launch CS-183

1959 DATE	VOL.NO.	DAY LTR.	NO.D.P.	FATH. POS.	NAUTICAL MILES SOUNDING
Aug.10	1	a	2	65	6.8
Aug.11	1	b	2	158	13.8
Aug.12	1 & 2	c	4	99	15.2
Aug.13	2	d	0	48	3.7
Aug.18	2	e	0	101	8.8
Aug.20	3	f	7	55	4.5
Aug.26	3	g	10	0	0
	Totals		25	526	53.8

Square nautical miles of sounding = 1.8

Form No J-100-5

(Let 1 inch equal 4 fathoms for deep water and 1 inch equal 0.4 fathom for shoal.)

CORRECTIONS IN FEET, FATHOMS

10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190

DEPTHS IN FATHOMS

(For deep water add a 0 to these figures)

APPENDIX 6

VELOCITY CORRECTIONS

U.S. Coast and Geodetic Survey

Ship **East Coast Field Party** Comdg.

Howard S. Cole

These corrections are to be used

between **10 Aug.** 19 **59** and **20 Aug.** 19 **59**

in the locality **Machias River, Maine**

for hydrographic surveys Nos. **H-7359**

LAUNCH CS-183

Fathometer Edo 255C-16

Corrections in Feet

Depth (ft.)			Corr. (ft.)
0.0	to	20.0	0.0
20.1	to	36.0	+0.2
36.1	to	42.0	+0.4
42.1	to	45.0	+0.6
45.1	to	48.0	+0.8
48.1	& deeper		+1.0

B-1736-5

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
WASHINGTON 25, D. C.

IN REPLY ADDRESS THE DIRECTOR
COAST AND GEODETIC SURVEY
AND NOT THE SIGNER OF THIS LETTER

AND REFER TO NO.
36-283-15b

29 July 1959

To: Officer in Charge
East Coast Field Party
Coast and Geodetic Survey
P. O. Box 282
Machias, Maine

Subject: Tide Data

The planes of reference requested in your letter of 24 July 1959 are as follows:

Location	MLW on Staff (Feet)
Cutler	4.8
Shoppee Point	5.2

The mean range of the tide for the respective gage locations and time differences referred to Starboard Island are given below:

Location	Mean Range (Feet)	Time Difference
Starboard Island	12.4	0
Cutler	13.5	+10 minutes
Shoppee Point	12.2	+10 minutes

K. G. Crosby

K. G. Crosby, Chief
Tides & Currents Division

APPENDIX D
TIDAL NOTES FOR
Hydrographic Survey H- (ECFP-1359)

Gage location: Latitude = 44° 41.87' N
Longitude =67° 23.63' W

Staff: Mean low water corresponds to 1.8 feet on the staff.

Correction: No time or height correction was applied to the results obtained from the gage in reducing soundings.

APPENDIX E
APPROVAL SHEET TO ACCOMPANY
Hydrographic Survey H- (ECFP-1359)
Project CS-408

The record, corrections, fathograms, scanning, and all field work were supervised by CDR Howard S. Cole.

The fathograms were scanned prior to plotting the soundings on the boat sheet, and no further scanning is necessary.

The descriptive report was written by ENS Arthur H. Goldberg under the supervision of CDR Cole.

The report and the records for this survey are complete and adequate to the best of my knowledge.

Approved and forwarded,

Howard S. Cole
CDR, C & G S
Chief of Party

9503

9503

FORM C&GS-504

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. ECFP-1159 *Office No.* H-

LOCALITY

State Maine

General locality Northeast of Cross Island, Maine

Locality Machiasport, Maine

19

CHIEF OF PARTY

Howard S. Cole

LIBRARY & ARCHIVES

DATE 1959

USCOMM-DC 37022-P66

FORM C&GS-537
(5-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

REGISTER NO.

HYDROGRAPHIC TITLE SHEET

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.

ECFP-1159

State Maine

General locality Northeast of Cross Island, Maine

Locality Machiasport, Maine

Scale 1:10,000 Date of survey 28 July 1959-24 ~~August~~ 1959.

Instructions dated 19 December 1958 Project No. CS-408
222/MEK; S-2-WA & HI, FP-East Coast

Vessel CS-1177

Chief of party Howard S. Cole

Surveyed by ENS J.D. Wingfield, ENS M.E. Jones

Soundings taken by echo sounder, hand lead, pole

Graphic record scaled by

Graphic record checked by

Protracted by Automated plot by

Soundings penciled by

Soundings in fathoms feet at MLW MLLW

REMARKS: Velocity corrections filed with volumes

USCOMM-DC 37009-P66

15

DESCRIPTIVE REPORT
TO ACCOMPANY

Hydrographic Survey H- , Field No. ECFP 1159
Northeast of Cross Island, Maine

PROJECT: CS-408
EAST COAST FIELD PARTY
1959
SURVEYED BY: ENS J.D. Wingfield
ENS M.E. Jones

SCALE: 1:10,000
HOWARD S. COLE, CHIEF OF PARTY

A. PROJECT

Work on Project CS-408 was executed in accordance with instructions 222/MEK; S-2-WA & HI, FP-EAST COAST, dated 19 December 1958.

B. SURVEY LIMITS AND DATES

(Note: Since area completed on boat sheet will not be final and is incomplete at present, no limits will be defined - JDW).

Field work commenced on 28 July 1959.

(Note: Insert prior surveys when ECFP-1159 is completed. See note above. JDW).

Field work was terminated on ECFP-1159 on 24 August as the ECFP was preparing to move to Project CS-287 in the Chesapeake Bay.

C. VESSELS AND EQUIPMENT

Launch CS-1177 was used on the entire survey. The launch was based at Machiasport, Maine. (Note: Insert statistical data on CS-1177).

Edo Type 255-C fathometer, Serial Number 15 with a Kato converter and later a transistorized power supply for a power source were used. The Kato converter was used from 28 July 1959 until 3 August 1959. The transistor supply was used from 4 August until 6 August 1959 and then the Kato was reinstalled on 7 August and used until 11 August 1959. Launch CS-1177 was equipped with one transducer hull fitting on the starboard side.

D. TIDE AND CURRENT STATIONS

The tide station used for control of the entire survey was a portable automatic tide gage located on the end of

CORBETT'S wharf at Little River near the village of Autler, Maine (Lat. 44° 39.6' Long. 67° 12.6') 60° time mer.

Data for reduction of sounding volumes may be taken directly from the station records without time or range correction.

There were no current stations within the limits of the survey.

E. SMOOTH SHEET

F. CONTROL STATIONS

G. SHORELINE AND TOPOGRAPHY

Shoreline and topographic details obtained from photographic manuscripts T- .

There were no discrepancies found during the hydrographic survey regarding shoreline and topography.

H. SOUNDINGS

Soundings were taken with EDO 255 C-15 depth recorder. This instrument was used from 28 July through 11 August. On 20 and 24 August EDO 255C-13 was used. Power supplies were switched as outlined in Section C of this report.

A frequency of 60.5 cps was used on the following dates: 7/28/59, 8/3/59, 8/20/59, and 8/24/59. A frequency of 61.0 cps was used from 8/4/59 through 8/11/59.

Bar checks were taken daily at the aforementioned frequencies.

Temperature and salinity observations in the survey area are to be used to supplement the bar checks.

I. CONTROL OF HYDROGRAPHY

All hydrographic control was accomplished by standard visual methods with sextant angles taken on shore objects. Position interval varied from one minute to one and a half minutes in length.

J. ADEQUACY OF SURVEY

K. CROSSLINES

L. COMPARISON WITH PRIOR SURVEYS

M. COMPARISON WITH CHART

N. DANGERS AND SHOALS

O. COAST PILOT INFORMATION

P. AIDS TO NAVIGATION

Q. LANDMARKS FOR CHARTS

R. GEOGRAPHIC NAMES

S. SILTED AREAS

Silted areas were not encountered in the area surveyed.

T. BY-PRODUCT INFORMATION

None.

U.-Y. MISCELLANEOUS

No unusual difficulties were encountered.

APPENDIX B
STATISTICS TO ACCOMPANY
Hydrographic Sheet H- (ECFP-1159)

1959 DATE	VOL. NO.	DAY LTR.	NO.D.P.	FATH. POS.	NAUTICAL MILES SOUNDING
28 July	1	a	2	65	9.1
3 August	1	b	0	92	14.1
4 August	1 & 2	c	0	122	13.6
5 August	2	d	8	16	1.0
6 August	2	e	8	53	3.8
7 August	2	f	7	32	1.4
11 August	2 & 3	g	4	90	8.2
19 August	3	h	1	94	8.8
20 August	3	j	0	31	2.9
24 August	3 & 4	k	2	113	10.4
			32	708	73.3

NOAA FORM 76-155
(11-72)

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

SURVEY NUMBER

H-9503

GEOGRAPHIC NAMES

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	
										1
										2
										3
										4
										5
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										23
										24
										25

NOAA FORM 76-155 SUPERSEDES C&GS 197

☆ U.S. G.P.O. 1972-769-565/516 REG.#6

FORM C&GS-946
(REV. 11-65)
(PRESC. BY HYDROGRAPHIC MANUAL 20-2, 6-94, 7-13)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY
NAUTICAL CHART DIVISION

HYDROGRAPHIC SURVEY STATISTICS

HYDROGRAPHIC SURVEY NO. 9503

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

RECORD DESCRIPTION	AMOUNT	RECORD DESCRIPTION	AMOUNT
SMOOTH SHEET	0	BOAT SHEETS clothback	2
DESCRIPTIVE REPORT	2	OVERLAYS	0

DESCRIPTION	DEPTH RECORDS	HORIZ. CONT. RECORDS	PRINTOUTS	TAPE ROLLS	PUNCHED CARDS	ABSTRACTS/ SOURCE DOCUMENTS
ENVELOPES	2					2
CAHIERS						
VOLUMES	7					
BOXES						

T-SHEET PRINTS *(List)* ALL DATA IN BOX EXCEPT B/S & DR

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				

	BEGINNING DATE	ENDING DATE
PRE-VERIFICATION BY		
VERIFICATION BY		
REVIEW BY		

USCOMM-DC 36271-P65

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
WASHINGTON 25, D. C.

IN REPLY ADDRESS THE DIRECTOR
COAST AND GEODETIC SURVEY
AND NOT THE SIGNER OF THIS LETTER

AND REFER TO NO.
36-283-15b

29 July 1959

To: Officer in Charge
East Coast Field Party
Coast and Geodetic Survey
P. O. Box 282
Machias, Maine

Subject: Tide Data

The planes of reference requested in your letter of 24 July 1959 are as follows:

Location	MLW on Staff (Feet)
Cutler	4.8
Shoppee Point	5.2

The mean range of the tide for the respective gage locations and time differences referred to Starboard Island are given below:

Location	Mean Range (Feet)	Time Difference
Starboard Island	12.4	0
Cutler	13.5	+10 minutes
Shoppee Point	12.2	+10 minutes

K. G. Crosby

K. G. Crosby, Chief
Tides & Currents Division

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U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
WASHINGTON 25, D. C.

IN REPLY ADDRESS THE DIRECTOR
COAST AND GEODETIC SURVEY
AND NOT THE SIGNER OF THIS LETTER

AND REFER TO NO.
36-311-15b

25 August 1959

To: Officer in Charge
East Coast Field Party
Coast & Geodetic Survey
P.O. Box 282
Machias, Maine

Subject: Tide Data

In reply to your letter dated 13 August 1959 the Cutler gage may be used uncorrected for all of sheet No. 1159.

The hourly heights requested will be furnished as soon as tide records covering this period from other gages operating in the area have been received in this Office.

L. P. Disney

L. P. Disney, Acting Chief
Tides and Currents Division

FORM C&GS 8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. 9503

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.
1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	FINAL REMARKS
303	10-17-77	R. Winkfield	~~Full Part~~ Before ~~After~~ Verification Review Inspection Signed Via
			Drawing No. #17 Applied Soundings. This survey is a
			FINAL boat sheet placed in Cat. 1
304	10-17-77	R. Winkfield	~~Full Part~~ Before ~~After~~ Verification Review Inspection Signed Via
			Drawing No. # Applied Soundings and changed part of LWL
			FINAL
1201	6-9-78	RWinkfield	~~Full Part~~ Before ~~After~~ Verification Review Inspection Signed Via
			Drawing No. 24 Appl'd Soundings & Curves thru
			Cht 303
1106	6-9-78	RWinkfield	Full Part Before After Verification Review Inspection Signed Via
			Drawing No. Examined NO Correction thru cht
			1201
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.

FORM C&GS-8352 SUPERSEDES ALL EDITIONS OF FORM C&GS-975.

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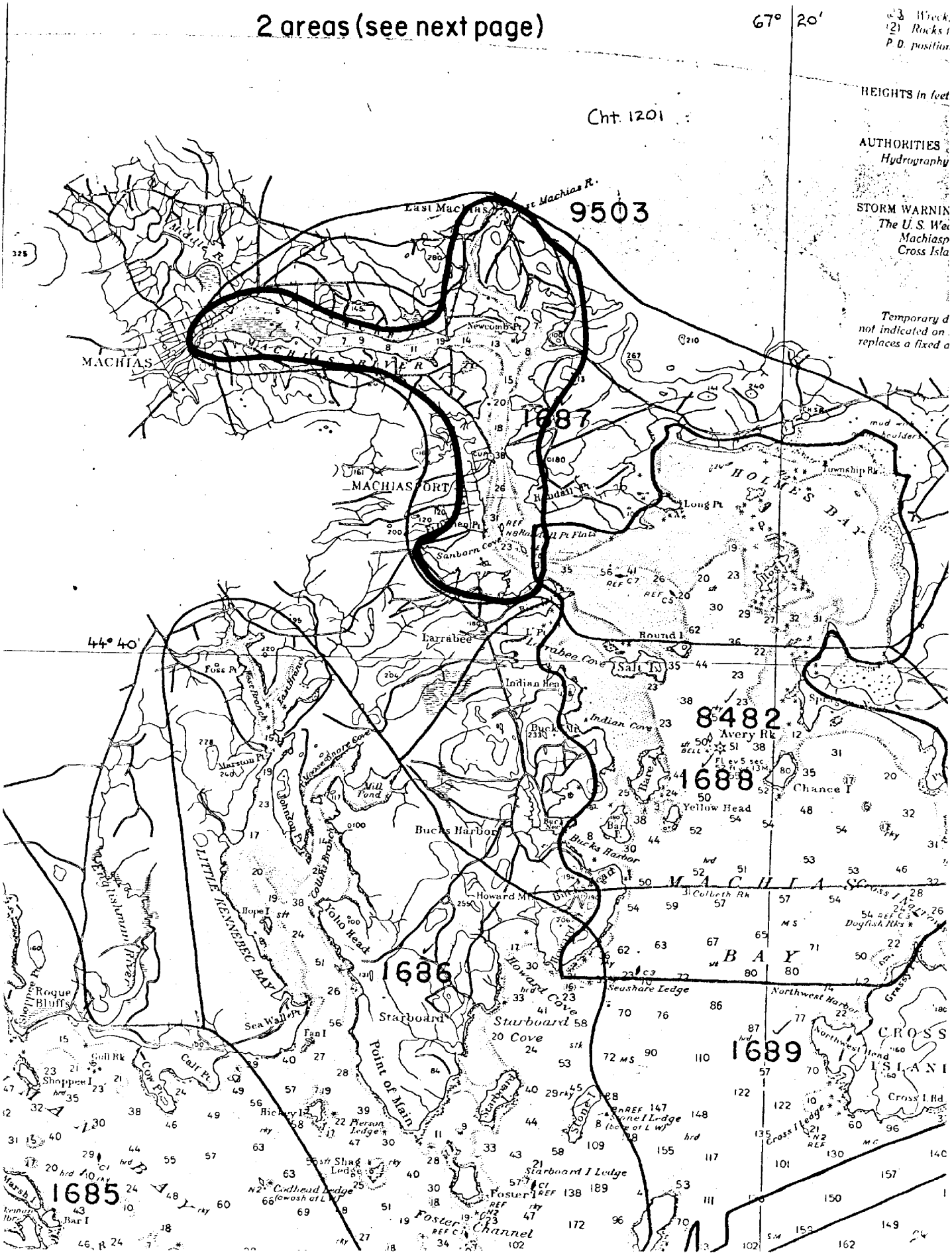
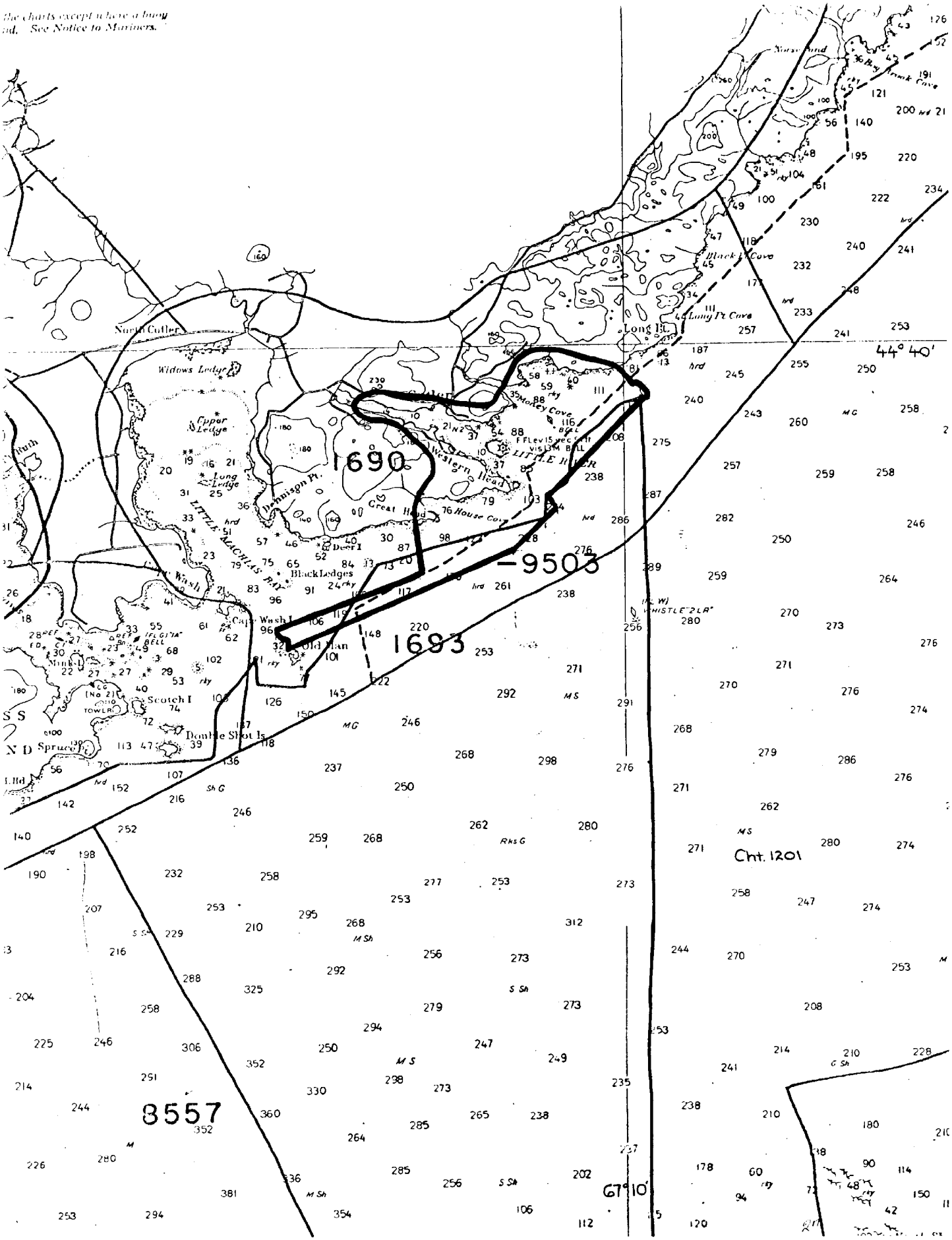
2 areas (see next page)




1690
9503
1693
8557
Cht. 1201
44° 40'
67° 10'
North Cutler
Long I.
Widows Ledge
Upper Ledge
Long Ledge
Dennison Pt.
Great Head
Western Head
LITTLE HARBOR
Money Cove
Black Ledges
Deer I
Old Man
Scotch I
Double Shot Is
Spruce Pt
Black Cove
Long Pt Cove
House Cove
LITTLE MACHIAS BAY