

8795 N&S

87236

Diag. Cht. No. 1201

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC SURVEY

Field No. _____ Office No. T-8795

LOCALITY

State Maine

General locality Washington County

Locality Little Kennebec Bay, Machias River

1944-'49

CHIEF OF PARTY

R.A.Gilmore, Chief of Field Party
T.B.Reed, Balto. Photo. Office

LIBRARY & ARCHIVES

DATE August 28, 1950

B-1870-1 (1)

8795

DATA RECORD

T- 8795

Quadrangle (II):
Machias (7 $\frac{1}{2}$ ")

Project No. (II): PH-11(46)

Field Office:
Machias, Maine

Chief of Party:
Ross A. Gilmore

Compilation Office:
Baltimore, Md.

Chief of Party:
Thos. B. Reed

Instructions dated (II III):
9 May 1946 and 18 Sept. 1946

Div. of Photogrammetry
Office Files
Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office: 12-28-48

Reported to Nautical Chart Section: 1-3-49

Reviewed: 12-28-49 Applied to chart No. Date:

Redrafting Completed:

Registered: 2-2-50

Published:

Compilation Scale: 1:8,500

Published Scale: 1:24,000

Scale Factor (III): 1.000

Geographic Datum (III): N.A. 1927

Datum Plane (III): Mean Sea Level

Reference Station (III): DWELLEY, 1862

Lat.: 44° 43' 40.511"

Long.: 67° 24' 25.713"

Adjusted
~~Unadjusted~~

State Plane Coordinates (VI): Maine East

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)
(E.S.T.)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
979-983	5/17/44	1045	1:20,000	No tidal waters
984-986	"	1045	"	1.5' above MLW
753-754	5/9/44	1015	"	11.8' above MLW
21-25	5/23/46	0905	"	1.6' above MLW
26-29	"	0905	"	1.7' above MLW
37-39	"	0915	"	1.6' above MLW
40-44	"	0920	"	1.4' above MLW
52-59	"	0930	"	1.3' above MLW

Tide from (III): Predicted tables, Ref. Sta. Eastport, Me., corrected to Starboard I., Bare Cove, and Machiasport.

Mean Range: 12.9', 12.4', 13.0' **Spring Range:** 14.7' 14.2 and 14.8
respectively. respectively

Camera: (Kind or source)
U. S. C. & G. S. Type "C", 6" metrogon lens

Field Inspection by:
Lewis V. Evans III
Irving I. Saperstein, and John R. Smith

date:
Season 1946

Field Edit by:
G. Varnadoe

date:
6-27-49

Date of Mean High-Water Line Location (III):
July and August 1946

Projection and Grids ruled by (III) TLJ

date: 10-17-47

" " " checked by: TLJ

date: 10-17-47

Control plotted by: Mildred M. Trautman

date: Dec. 1947

Control checked by: Donald M. Brant

date: Dec. 1947

Radial Plot by: none
Multiplex 1:8500 - A.K.Heywood, and A.C.Rauck, Jr.

date: July-August 1948

Detailed by: Manuscript 1:8500
B.A.Dew - N/2; Bernice Wilson S/2
M.T.Jacob S/2.

date: Aug.-Nov. 1948

Reviewed in compilation office by:
Henry P. Eichert

date: Nov. 1948

Elevations on Field Edit Sheet

checked by: manuscript Henry P. Eichert

date: Nov. 1948

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STATISTICS (III)

Land Area (Sq. Statute Miles): 46

Shoreline (More than 200 meters to opposite shore): 52 miles

Shoreline (Less than 200 meters to opposite shore): 5 miles

Number of Recoverable Topographic Stations established: 44

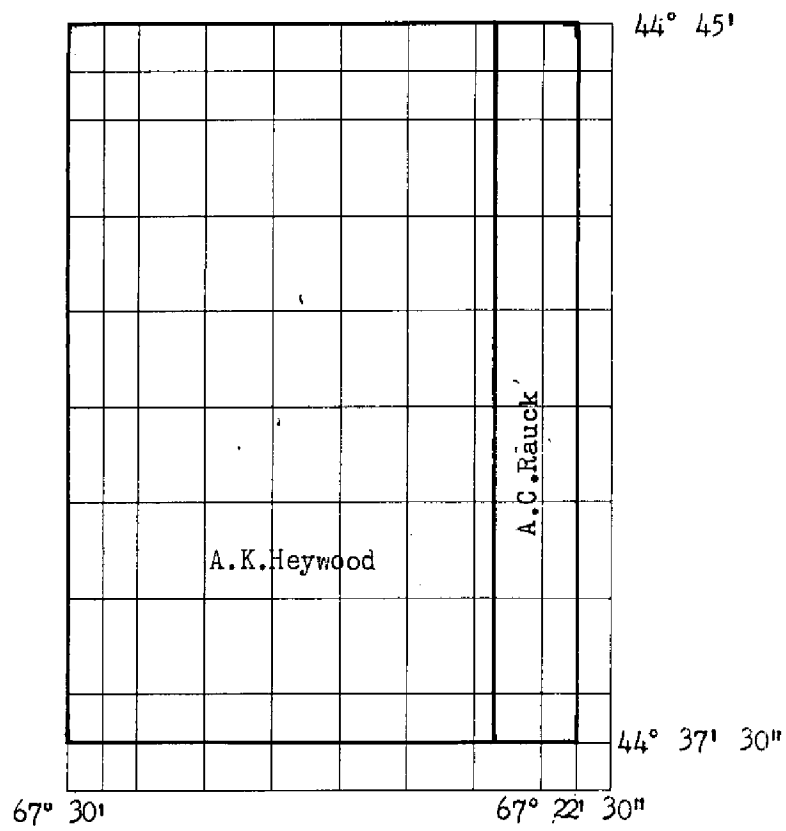
Number of Temporary Hydrographic Stations located by radial
plot: 202

Leveling (to control contours) - miles:

Roman numerals indicate whether the item is to be entered
by, (II) Field Party, (III) Compilation Party, or, (VI) the
Washington Office.

When entering names of personnel on this record give the
surname and initials (not initials only).

Remarks:

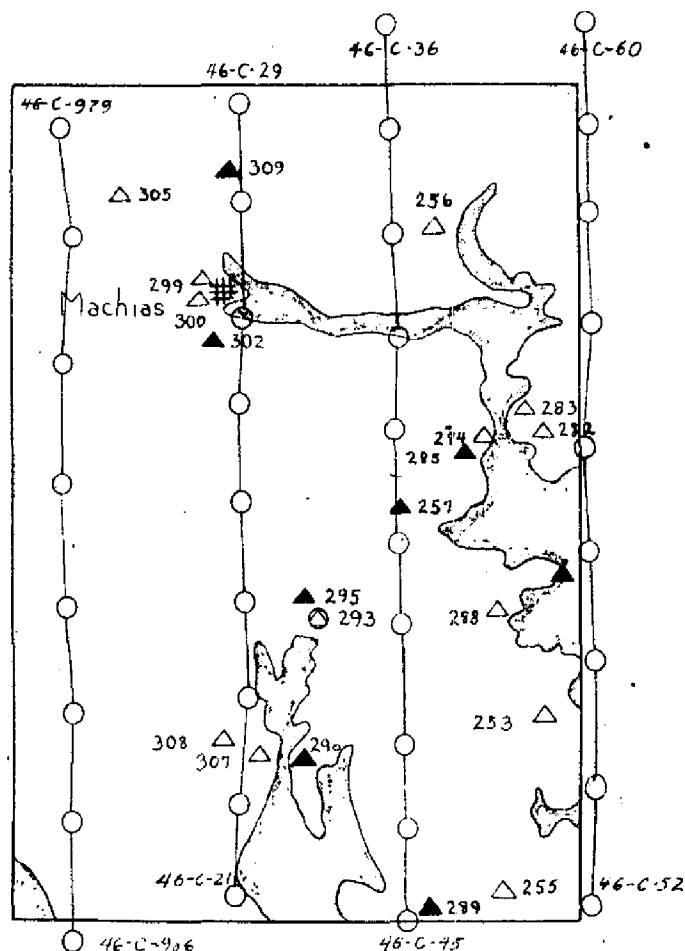


Areas contoured by various personnel

(Show name within area)

(II) (III)

253 Bucks, 1862
 255 Howard, 1859 (MIT)
 256 Dwelle, 1862
 257 Peterson, 1882
 281 Birch Point, 1882
 282 Fletcher, 1882
 283 Machiasport, Old Church Opposite, 1882
 284 " Town Hall, 1882
 285 " High School, 1882
 288 Larabee Cove Ch. spine, 1882
 289 Gray, 1883
 293 White Ho. W. Chmy, 1862
 295 Holway 1883 (Machias Twp)
 296 Narrows Mt, 1885
 299 Machias, Town Hall Cupola, 1862
 300 " White spine, 1862
 302 Porter, 1885
 305 Marshfield Ch, 1885
 307 Little Kennebec, 1813
 308 Marston, 1883
 309 Indian Hill, 1862
 368 Newton (MIT) N. of T-8795



△ Triangulation Sta-Identified + held in extension
 ○ " " Not held
 ▲ " " Not identified

Ph-II (46)
 T-8795

SKETCH OF HORIZONTAL CONTROL

MAP T. 8795

PROJECT NO. PH-11(46)

SCALE OF MAP

1:8500

SCALE FACTOR 1.17647

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y -COORDINATE LONGITUDE OR x -COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
					FORWARD	(BACK)	FORWARD	(BACK)	FORWARD	(BACK)
BURNHAM, CAPT., HO. CHY., 1862	U.S.C.& G.S. G.P.	N.A. 1927	44 43	16.11			497.3 (1354.8)		585.1 (1593.8)	
			67 26	43.52			957.8 (362.7)		1126.8 (426.7)	
MACHIAS, TOWN HALL CUPOLA, 1862	"	"	44 43	01.92			59.3 (1792.8)		69.8 (2109.1)	
			67 27	24.07			529.8 (790.8)		623.3 (930.4)	
MACHIAS WHITE SPIRE, 1862	"	"	44 42	56.881			1755.8 (96.3)		2065.6 (113.3)	
			67 27	30.571			672.9 (647.7)		791.6 (762.0)	
MARSHFIELD CH., 1885	"	"	44 44	01.59			49.1 (1803.0)		57.8 (2121.2)	
			67 28	34.88			767.5 (552.7)		902.9 (650.3)	
NEWTON (MIT)	MIT	"	44 46	18.079			558.1 (1294.0)		656.6 (1522.3)	
			67 26	58.910			1295.4 (24.0)		1524.0 (28.2)	
DWELLEY, 1862	U.S.C.& G.S. G.P.	"	44 43	40.511			1250.5 (601.6)		1471.2 (707.8)	
			67 24	25.713			565.8 (754.5)		665.6 (887.7)	
WH. HOUSE W. CHY. 1863	"	"	44 40	12.12			374.1 (1478.0)		440.1 (1738.8)	
			67 25	53.22			1172.3 (149.3)		1379.2 (175.6)	
LITTLE KENNEBEC, 1863	"	"	44 38	59.070			1823.4 (28.7)		2145.2 (33.7)	
			67 26	40.263			887.2 (434.9)		1043.8 (511.6)	
MARSTIN, 1883	"	"	44 39	06.038			186.4 (1665.7)		219.3 (1959.6)	
			67 27	08.552			188.4 (1133.6)		221.6 (1333.7)	
NARROW MT., 1885	"	"	44 38	54.970			1696.8 (155.3)		1996.2 (182.7)	
			67 26	12.709			280.1 (1042.0)		329.5 (1225.9)	
LARRABEE COVE CH. SP. 1882	SPEC. PUB. NO. 46	N.A. 1927	44 40	15.151			444.7 (1407.4)		523.2 (1655.7)	
			67 23	38.660			849.5 (472.1)		999.4 (555.4)	
FLETCHER, 1882	U.S.C.& G.S. G.P.	N.A. 1927	44 41	50.145			1547.9 (304.2)		1821.0 (357.9)	
382			67 22	55.957			1232.0 (89.0)		1449.4 (104.7)	

1 FT. = 3048006 METERS
COMPUTED BY: Henry B. Eichert

DATE Winter 1946

CHECKED BY:

E. L. Bauman

DATE

Winter 1946

M-2388-12

FIELD INSPECTION REPORT

TO ACCOMPANY

QUADRANGLE NO. 8795

PROJECT Ph-11(46)

JULY 1946

1 - DESCRIPTION OF AREA:

This $7\frac{1}{2}$ minute quadrangle lies in Washington County, Maine. It is bounded on the north by N. lat. $44^{\circ}-45'-00''$, on the south by N. lat. $44^{\circ}-37'-30''$, and on the east and west by W. Long. $67^{\circ}-22'-30''$ and W. Long. $67^{\circ}-30'-00''$ respectively. The area covered is approximately 50 square statute miles.

Photogrammetric field inspection was accomplished in July 1946 under the direction of Lieut. Comdr. Ross A. Gilmore and in accordance with instructions dated 9 May 1946.

The principal cultural features are the towns of Machias located in the northwestern part of the area, East Machias in the northeastern part, the Maine Central Railroad and U. S. Route No. 1 which extends from Machias through East Machias, the Machias and East Machias Rivers in the northern part of the area, Machiasport in the eastern part and the small village of Bucks Harbor in the southeastern part of the area.

The vegetation consists of spruce, fir, pine, hackmatack, birch, maple, and alder. Along the streams there are marshy areas. There is practically no cultivation in the area except for small gardens. There are several blueberry barrens and a few peat bogs.

The foreshore area consists of grassy, mud flats and rock ledges, and the entire shore area in this quadrangle consists of many coves and rivers.

2 - COMPLETENESS OF FIELD INSPECTION:

All important buildings, roads, railroads, bridges and vegetation were identified or classified in accordance with instructions for the project.

The one cable crossing in the area crosses the Machias River about $\frac{1}{2}$ mile north of Machiasport. It is indicated on photographs 39 and 57.

Photographs used - 44 C 978, 980, 982, 984, 986, 46 C 22, 24, 26, 28, 36, 38, 40, 42, 44, 52, 54, 56, 58, 60.

The above photographs are all 1:20,000 scale contact prints.

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3 - INTERPRETATION OF PHOTOGRAPHS:

Photographic tone varies from the dense, smooth black of ponds and streams to the near white of plowed ground. Softwood areas generally have a heavy dark, somewhat grainy appearance, with the exception of hackmatack, a coniferous tree, which has a very small light green leaf giving almost the same appearance as birch or alder and other hardwoods. Mixed coniferous and deciduous trees (WM) present a more rough pebbly texture than mixed hackmatack and other conifers (WS).

Peat bogs have a powdery gray tone with the edges well defined, while blueberry barrens (See No. 19, this report) usually have the smooth gray tone mottled with lighter gray, and the edges of the area are generally ragged, except recently burned over areas which show as a dark gray and usually have sharply defined limits as the fires are controlled at property lines.

Marshy areas follow the irregular course of most streams and the tone is irregular white to gray, darker than that of peat bogs, depending on the relative amounts of dead marsh grass and alders or birch trees.

Ledge outcrops have a light tone criss-crossed by very angular darker lines giving the whole a hard, angular appearance.

4 - HORIZONTAL CONTROL:

All known horizontal control stations were searched for, and all stations recovered were identified on the photographs with the exception of one station. INDIAN HILL, 1862, was recovered but was not identified since it is located in a densely wooded area and would require an excessive amount of time for identification. Horizontal control requirements in this vicinity were adequately met by other stations, (Par. 7a(3) of Instructions).

All horizontal control for this quadrangle is U.S.C.&G.S. triangulation except for one station; i.e., triangulation station NEWTON (M.I.T.) which was established by the M.I.T. Civil Engineering Summer Camp. This station is on the North American 1927 Datum, but information as to date of establishment and order of accuracy was not available to this party.

The following photographs were used for horizontal control identification:
 1:8500 scale ratio prints Nos. 46 C 23, 24, 27, 57.
 1:20,000 " contact " Nos. 46 C 31, 37, 45, 54, 55, 56 and 44 C 980.

5 - VERTICAL CONTROL:

All vertical control stations of the U.S.C. &G.S., U.S.G.S., and M.I.T., were searched for and those stations recovered were identified on the photographs.

Additional temporary vertical control was established by trigonometric methods carrying elevations to the nearest tenth of a foot. No closures exceed the maximum allowable. The average error of closure was less than one foot. Level lines with a closure exceeding one foot were adjusted.

Level points were identified, pricked and circled on the front of the photographs. The points were then circled, numbered and the elevations were noted on the back of photographs, with the exception of tide water closures. These were circled and numbered on the back of photographs but no elevations inked. The code letters MA prefix all spot elevations. A few level lines were continued into quadrangle 8799, south of quadrangle 8795, using code letters RB. As there were only a few spot elevations in quadrangle 8799, one notebook was used for quadrangle 8795 and 8799. One spot elevation No. MA-61 was determined by Lieut. (jg) Lewis V. Evans, III, party.

On photograph No. 44 C 987, MA-10 to MA-12 inclusive were changed to RB-8 to RB-10 inclusive and MA-10 to MA-12 disregarded.

Elevations underscored by a solid line indicate the loop was closed on a previously determined elevation point or on a standard bench mark.

About 40 linear miles of 4th order levels were run. 59 temporary elevation points were established. The following 1:20,000 single lens photographs were used: 44 C 979, 983, 985, and 987; 46 C 21, 25, 27, 29, 37, 39, 41, 42, 43, 44, and 53.

6 - CONTOURS AND DRAINAGE:

Inapplicable.

7 - MEAN HIGH-WATER LINE:

The mean high water line was delineated on the photographs within 0.5mm of true position.

A boat was used and sailed as far inshore as possible to identify the MHWL. This was done, as far as possible, at or near high water, as the water practically drains out, especially in the coves and inlets.

1:8500 scale ratio prints as follows were used for shoreline inspection: 46 C 22, 23, 24, 27, 39, 40, 41, 43, 44, 55, and 58.

8 - LOW-WATER LINE:

The low water line was delineated on the photographs at or near the time of low water.

9 - WHARVES AND SHORELINE STRUCTURES:

Wharves of any consequence appearing within the quadrangle area are:

- (a) About 400m NE of Birch Point (photograph 55).
- (b) At Bucks Harbor (photograph 53).
- (c) In Machiasport, at the sardine factories (photograph 56).

All docks and piers are noted on the photographs. Log bulkheads appear in the Machias River, at Machias (photograph 27).

10 - DETAILS OFFSHORE FROM HIGH-WATER LINE:

Wherever rocks and ledges were awash at or below mean high water, a note was made on the photograph as to how much the rock or ledge bared, the time and date.

A wreck, shown on chart Nos. 303 and 1201 (Lat. 44° 38.7 Long. 67° 22.3) appears as being bare at all tides. Actually the wreck does not bare at high water. See photograph 53 for height of tide, the time and date at wreck.

11 - LANDMARKS AND AIDS TO NAVIGATION:

One landmark is recommended for charting. This is the aluminum painted stack of the Machiasport Canning Company at Machiasport (photograph 57). Another landmark, the Machiasport Town Hall Cupola, already charted shall be retained. See Review Report, # 34

There are no permanent fixed aids to navigation within the limits of this quadrangle.

Form 567, Landmarks for Charts, has been executed and submitted under separate cover.

12 - HYDROGRAPHIC CONTROL:

Hydrographic signals were identified and numbered on the photographs in accordance with the instructions for use of the hydrographer. These consist mainly of lone trees, or trees that stand out, such as on points of land. Also used for hydrographic signals, were large boulders in the water, gables of houses and chimneys.

Brief descriptions of the hydrographic signals have been recorded in field sketch books 1 and 2. An attempt was made to pick sufficient hydrographic signals, except in areas where it was impossible to pick signals with certainty.

In addition, recoverable topographic stations were established about 1 mile apart. Wherever possible, gables, cupolas or chimneys were used and picked direct on the photographs. Where no artificial object was within the 1 mile radius, a marked station, using a standard topographic disc, was established and either picked direct or the substitute station used. "Control Station Identification" cards were submitted for those stations picked by the substitute station method.

Form 524, "Description of Recoverable Topographic Station" cards were submitted for all topographic stations.

13 - LANDING FIELDS AND AERONAUTICAL AIDS:

None

14 - ROAD CLASSIFICATION:

Roads, inspected, were classified in accordance with general instructions - "Classification and Compilations of Roads" dated 30 June 1945.

Attention is called to the section of U. S. Highway No. 1 which is under construction. (See photograph 46 C 38). Work was not far enough advanced to accurately locate the new road at the time of field inspection. This should be done by the field edit party.

New Road added by Field Editor

15 - BRIDGES:

All bridges in this quadrangle were identified as part of the interior inspection. There is one swing bridge over the Machias River, located north of Machiasport - clearances appear on photograph 59. There is a foot bridge at Bucks Harbor and clearances appear on photograph 53.

16 - BUILDINGS AND STRUCTURES:

Buildings and structures were identified by encircling them in red ink. In thickly populated places, the public buildings were circled in red ink and numbered, then indexed on the photograph with the name and number of each public building. The names of churches and schools were furnished. Powerlines leading cross country were shown.

17 - BOUNDARY MONUMENTS AND LINES:

This will be the subject of a special report to be submitted by Harold A. Duffy, Photogrammetrist.

18 - GEOGRAPHIC NAMES:

Same as 17, this report.

19 - BLUEBERRY BARRENS:


Blueberries are harvested from plots of ground in this section of Maine which probably could be considered cultivable ground. The soil is never tilled but the vegetation is burned off every third year to eliminate the foreign growth and get a new crop of blueberry plants. (See 3. Interpretation of Photographs) These plants are very thick on the ground and grow to about 18 inches in height. The ground has the appearance of a neglected pasture as here and there may be seen bushes or clumps of brush. Since the Instructions did not provide a classification termed satisfactory to cover these areas they have been labeled "BB". An inquiry was made of the Chief, Division of Photogrammetry on 4 June 1946, and reference is hereby made to his reply dated 25 June 1946, reference No. 711-RCR.

20 - SYMBOLS:


The symbols used for shoreline inspection have been listed on the back of photograph No. 24.

Note: Work was done on item No. 4 by Lieut.(jg) Lewis V. Evans, III;
on items 7, 8, 9, 10, 11, and 12 by Irving I. Saperstein, Eng. Drafts.;
on items 1, 2, 3, 5, 14, 15, and 16 by John R. Smith, Eng. Aid.

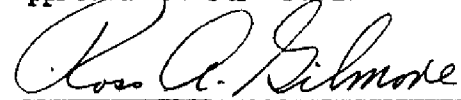
Respectfully Submitted;


Lt.(jg) Lewis V. Evans, III


Irving I. Saperstein, Eng. Drafts.


John R. Smith, Eng. Aid

Approved and Forwarded:


Ross A. Gilmore, Chief of Party

26. CONTROL

a) Horizontal control

Triangulation point WHITE HOUSE, WEST CHY., 1863 could not be held with 0.5 mm. As there were seven other triangulation points which held in the strip, this point had to be disregarded. This is a "no check" position.

b) Vertical control

Field elevation MA-30(93') is believed to be in error as it could not be held in models 26-27, 27-28 and 38-39. The error is approximately 28 feet. The elevation of the water surface was computed and held in these models as supplementary control. As the solutions are considered weak, it is recommended that the contours in the area concerned be checked in the field. See Review Report, # 48

Refer to project report for Project Ph-11(46) which will be submitted at a later date.
27. RADIAL PLOT Filed in ~~Div. of Photogrammetry - General Files~~
Project Completion Report in Bureau Library

None

28. DETAILING

All details, except shoreline, were delineated with the multiplex plotting instrument. Roads have been reclassified in accordance with instructions as amended 24 October 1947. All wooded areas have been carefully examined under the stereoscope in order to determine their proper limits.

29. SUPPLEMENTAL DATA

None.

30. MEAN HIGH WATER LINE

Except for minor changes, the mean high water line has been shown as that furnished on the field inspection photographs. Shoreline points, plotted with the multiplex, were used as control for compiling shoreline.

31. LOW WATER AND SHOAL LINES

The low water lines are approximate as furnished by the field inspection party. See Review Report

32. DETAILS OFFSHORE FROM THE HIGH WATER LINE

Data are believed to be complete.

33. WHARVES AND SHORELINE STRUCTURES

Data are believed to be complete.

34. LANDMARKS AND AIDS TO NAVIGATION

The Machiasport Canning Company aluminum stack, recommended for charting as a landmark, could not be identified on the photographs. Therefore, its position could not be plotted. Machiasport Town Hall Cupola, already a landmark, is a triangulation station. See Review Report.

35. HYDROGRAPHIC CONTROL

See descriptions of photo-hydro stations attached to NOTES FOR "Gable" HYDROGRAPHIC PARTIES. Photo-topo stations "FLAGPOLE" & "CUPOLA" could not be plotted as they could not be identified. (Photos 46 C 24 & 52) 46C-38

37. GEOGRAPHIC NAMES

The geographic names appearing on this map are from the report of Harold A. Duffy.

38. JUNCTIONS

Junctions have been made as follows:

To the east with T-8796

To the south with T-8799

To the west with T-8642

To the north is the U.S.G.S. Gardner Lake, Me. 15 minute quadrangle. No attempt has been made to make a junction with this quadrangle.

39. BOUNDARIES

All township boundaries and monuments and the boundary for Fort O'Brien are shown. As reported in the Special Report on Boundaries by Harold A. Duffy, the south boundary of the old fort is only approximate.

The township corner at lat. $44^{\circ} 44.5'$, long. $67^{\circ} 26.0'$ was established by intersection arcs from Point T.L. (Marshfield-East Machias). The line west of this corner does not check the bearing given in Special Report on Boundaries dated Sept. 1946. The townline from the above corner, northwest to the limits of the quadrangle was plotted from the description of the Marshfield townline. This line was changed, during review, to agree with the town plan of Marshfield submitted by the Field Editor.

Townline corners at lat. $44^{\circ} 41.7'$, long. $67^{\circ} 25.0'$ and lat. $44^{\circ} 41.5'$, long. $67^{\circ} 25.3'$ were located with a pedograph. The plotted pedograph line was 30 meters shorter than the line plotted with multiplex. The pedograph line was extended to fit the multiplex positions.

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44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

The map manuscript compares favorably with the Machias, 15 minute quadrangle of the U.S.G.S., scale 1:62,500, edition of 1918, reprinted 1943. More swamp areas appear on the Geological Survey quadrangle than we believe to exist at present. Several discrepancies requiring further investigation are noted on the discrepancy overlays. *Checked by Field Editor*

45. COMPARISON WITH NAUTICAL CHARTS

Visual comparison was made between this map and Chart 303, published March 1945 (4th edition), scale 1:40,000. Agreement was good. ~~After completion of the field edit and hydrographic surveys, it is recommended that this chart supersede all previously charted information.~~
See Review Report.

Respectfully submitted
16 December 1948

Henry P. Eichert
Henry P. Eichert
Descriptive Report and Review

B. A. Dew per SWT.
Bernadette A. Dew
Engineering Draftsman
Compilation of shoreline

Stanley W. Trow
Stanley W. Trow, Supervisor
✓ SWT
✓ GEV

Mildred T. Jacob per SWT.
Mildred T. Jacob
Engineering Draftsman
Compilation of shoreline

Bernice Wilson
Bernice Wilson
Engineering Aid (Cartog.)
Compilation of shoreline

Approved and forwarded
December 1948

Thos B Reed
Thos. B. Reed
Officer in Charge
Baltimore Photogrammetric Office

NOTES
FOR
HYDROGRAPHIC PARTIES
EASTERN MAINE

TOPOGRAPHIC MANUSCRIPT

SURVEY NO. T-8795


PROJECT PH-11(46)

Descriptions of photo-hydro stations, for use as
hydrographic signal sites, are attached.

Respectfully submitted
16 December 1948

Approved and forwarded


Henry P. Eichert
Photogrammetrist


Thos. B. Reed
Officer in Charge
Baltimore Photogrammetric Office

Signal No.	Description	Photo. No.	Height above MHW
4262	12' spruce. First spruce NW of a line of alders 8 meters SE of 10' spruce. 5 meters E of MHWL.	754	4'
9504	15' leaning spruce about 4 meters west of MHWL	21	1'
9506	15' spruce tree on point on the west side of bay about 4 meters west of MHWL.	22	2'
9507	20' pointed spruce tree most northerly of a group about 5 meters west of MHWL.	22	4'
9508	10' spruce tree most southerly in a line of spruces about 5 meters west of MHWL.	22	4'
9509	South gable of shack with wooden shingles on sides and roof.	22	10' ✓
9510	20' pointed spruce tree on the east side of cove. Most northwesterly spruce.	22	4'
9512	30' pointed spruce on the north side of a small cove about 4 meters north of MHWL.	22	3'
9513	25' pointed spruce on the west side of bay about 2 meters west of MHWL.	22	3'
9514	25' spruce tree about 1 meter west of MHWL.	22	2'
9515	20' leaning spruce tree on the west side of bay. Most prominent spruce.	22	2'
9516	30' pointed spruce tree on the west side of cove about 1 meter west of MHWL. Most prominent spruce.	23	1'
9517	35' leaning spruce tree on the west side of a small cove. Largest and most prominent spruce.	23	1'
9518	20' spruce tree on west side of bay. 30' birch about 1 meter south of spruce.	23	3'
9519	10' spruce tree on west side of cove. Another 10' spruce 1 meter north of signal.	23	3'
9520	20' bushy low spruce tree about 1 meter west of MHWL.	23	2'
9521	35' spruce on west side of bay on MHWL. Largest spruce in vicinity.	23	0'

Signal No.	Description	Photo. No.	Height above MHW
9522	Southeast corner of tarpapered shack. 1 window on east side.	23	10' ✓
9524	15' spruce on side of small cove about 1 meter north of MHWL.	23	1'
9525	Northeast corner of tarpaper shack about 4 meters west of MHWL.	23	8' ✓
9526	30' bushy spruce tree at the head of a small cove. Largest spruce in the vicinity.	23	2'
9527/	South gable of shingled shack with one window in east side. Shack is on MHWL.	23	8' ✓
9528	25' spruce on west side of bay. Only spruce tree in vicinity.	23	2'
9529	20' spruce about 6 meters west of MHWL. It is on the south side of a small cove. Largest spruce in the vicinity.	24	2'
9530	East gable of shingled house having one window and door on south side. On MHWL.	24	8' ✓
9531	Point of rock ledge at edge of grass line.	24	3'
9533	25' lone pointed spruce on the south side of a small cove on MHWL.	24	1'
9534	25' pointed spruce on south side of small cove on MHWL. Most northerly spruce in a group.	24	0'
9535	20' lone bushy spruce on south side of small cove. Most prominent spruce.	24	3'
9536	South gable of wooden shingled house located at the head of a cove. There are two windows and a door in south gable.	24	20' ✓
9537	25' spruce on north side of small cove. Largest spruce in vicinity.	24	4'
9539	25' bushy double spruce on north side of cove. Largest spruce in vicinity.	24	3'
9540	20' spruce on north side of cove, 1 meter north of MHWL.	24	1'

Signal No.	Description	Photo. No.	Height above MHW	
9541	West gable of shingled barn. Barn is painted brown. There is one window in west gable.	24	35' ✓	✓
9542	20' spruce tree on the west side of a small cove. Largest spruce in vicinity.	24	3' ✓	
9544	15' leaning spruce on north side of small cove about 1 meter north of MHWL.	24	1' /	
9546	25' leaning spruce on east side of bay. Most westerly spruce.	24	3' /	
9548	20' spruce tree on northern point of land. Most northerly spruce.	44	3' /	
9549	15' spruce tree at head of small cove, about 4 meters east of MHWL.	44	2' /	
9550	20' bushy spruce on east side of bay about 2 meters east of MHWL. Largest spruce in vicinity. Blazed on north side.	44	1'	
9552	20' spruce tree on northern point of land. Most northerly spruce.	44	2'	
9553	20' pointed spruce on point of land about 2 meters south of MHWL.	44	1'	
9554	20' pointed spruce on point of land. Most northerly spruce on point.	44	1'	
9555	15' pointed spruce on point on land most westerly spruce on point.	44	2'	
9556	20' pointed spruce on the north side of a small cove about 1 meter east of MHWL.	44	2'	
9557	15' overhanging cedar tree on the north side of a small cove.	44	1'	
9560	20' double spruce tree on point of land.	44	0'	
9561	15' lone spruce tree about 2 meters north of MHWL.	43	2'	
9562	25' pointed spruce on MHWL. At the head of a rocky beach.	43	0'	

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Signal No.	Description	Photo. No.	Height above MHW
9563	25' pointed spruce at the head of small cove. Most westerly spruce.	43	1'
9564	30' spruce on the north side of a small cove 1 meter north of MHWL.	43	1'
9565	15' pointed lone spruce on north side of cove. Most southerly spruce.	43	1'
9566	20' spruce on south side of island. Largest and most prominent spruce.	43	1'
9567	20' lone spruce on side of ledge on MHWL	43	
9568	10' spruce at the head of a small cove about 1 meter east of MHWL.	43	1'
9569	15' pointed spruce about 1 meter east of MHWL. Largest spruce in vicinity.	43	1'
9570	20' spruce tree about 2 meters east of MHWL. Largest spruce in vicinity.	43	1'
9571	10' pointed spruce about 4 meters east of MHWL. Most westerly spruce.	43	2'
9575	20' pointed spruce on the north side of a small cove about 1 meter north of MHWL.	43	2'
9576	15' bushy spruce tree on the north side of a creek. Largest spruce in vicinity.	43	2'
9577	20' spruce on west side of creek. Only spruce in vicinity.	43	3'
9578	15' scrubby spruce on the west side of a small cove.	43	1'
9579	20' pointed spruce on the north side of a small creek. Very prominent.	43	3'
9580	20' spruce on the west side of a small cove. 15 meters west of MHWL.	43	3'
9581	25' bushy spruce about 10 meters west of MHWL. Largest spruce in vicinity.	43	4'
9582	20' bushy spruce about 20 meters west of MHWL. Largest spruce in vicinity.	43	4'
9583	25' lone flat top spruce about 1 meter west of MHWL.	43	3'

Signal No.	Description	Photo. No.	Height above MHW
9584	25' bushy spruce at head of small cove. Most westerly spruce.	43	2'
9585	10' bushy spruce at the head of a cove. 2 meters east of MHWL.	43	3'
9586	25' lone bushy spruce on point of land. Only spruce on point.	43	4'
9587	20' spruce tree on point of land. Largest spruce on point.	43	2'
9588	25' spruce on top of grassy knoll at the head of a small cove.	43	15'
9589	15' pointed spruce tree on north side of cove on MHWL. Most southerly spruce.	43	1'
9591	30' bushy spruce most easterly tree in area. Station is on MHWL and branches protrude over MHWL. Group of white birches to the south.	43	5'
9592	25' leaning spruce on southwest side of small island about 15 meters northwest of extreme southern tip. 22		1'
9593	15' double spruce on small islet. The only tall trees on islet.	43	5'
9595	25' spruce on west side of bay. Blazed on south and east side.	43	10'
9596	15' lone spruce in clearing about 15 meters north of MHWL.	22	5'
9597	15' lone spruce at the head of a small rocky cove.	22	2'
9599	15' spruce at the head of small cove. About 4 meters north of MHWL.	22	4'
95100	15' spruce about 15 meters north of MHWL. Most southerly spruce.	22	5'
95102	Northwest gable of tar paper shack having one window in NW gable, and wooden shingles on roof.	23	8'
95104	15' ^{lone} low spruce on north side of a small cove. 15 meters north of MHWL.	23	3'
95105	20' leaning spruce on MHWL, on the east side of a small cove.	23	0'

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Signal No.	Description	Photo. No.	Height above MHW
95106	20' spruce on the north side of a small cove. On top of an 8' dirt bank	23	8'
95107	20' spruce, 1 meter east of MHWL. A 25' birch tree about 1 meter west of spruce.	23	3'
95108	20' leaning spruce at the head of a cove on MHWL. Most westerly spruce.	24	0'
95109	20' pointed spruce at the head of a cove on the north side of a small creek.	24	2'
95110	20' spruce on top of mud bank on north side of a cove.	24	8'
95111	20' lone spruce on the north side of a grassy bank. Very prominent.	24	8'
95112	15' juniper tree on the east side of a small cove. On MHWL.	24	0'
95113	20' bushy spruce on the south side of a small cove. Most northerly spruce.	24	4'
95114	20' spruce on the north side of a creek about 5 meters northwest of a log bridge.	24	3'
95116	20' spruce on the north side of bay. Only spruce in vicinity.	24	5'
95117	25' pointed spruce about 3 meters north of MHWL. Most westerly spruce.	24	3'
95118	15' lone spruce in a clearing on a grass slope.	24	12'
95119	20' lone spruce on top of a grass slope. Center of 3 spruces.	24	15'
95120	15' leaning spruce on north side of bay. On MHWL	24	0'
95121	Group of three 15' spruce trees on the south side of a point of land on MHWL.	24	0'
95123	South gable of 2 story shingled house with green roof, about 10 meters NE of flagpole and 10 meters west of small outbuilding. About 100 meters north of MHWL on the north side of Howard Cove.	52	30'
95124	12' spruce on point of land, north of small gravel cove.	52	8'

Signal No.	Description	Photo. No.	Height above MHW	
95126	East gable of white house. There is a 2' brick chimney on house. 2 windows in the east gable.	53	15'	L
95127	25' lone pointed spruce about 4 meters south of MHWL. Tallest spruce in vicinity.	53	1'	
95128	East gable of gray shingled house located at the head of small cove.	53	15'	L
95129	North gable of house with grey shingles on roof South gable painted white. There are 2 windows and a door on east side facing water.	53	35'	L
95130	20' lone spruce on the west side of a creek. Only spruce in vicinity.	53	2'	
95131	25' lone spruce on west side of a creek. Tallest spruce in vicinity.	53	1'	
95132	25' lone spruce on west side of creek. Largest spruce in vicinity.	53	3'	
95133	NW gable of white house with black trim. It has two 4' brick chimneys and there is a porch on the N side.	53		L
95134	West gable of grey shingled fish shed. There is one door and a window in west gable. On MHWL.	53	20'	L
95136	North gable of grey house. There are two brick chimneys on house. 20 meters west of MHWL.	53	20'	✓
95137	20' lone flat top spruce on the south side of a cove. Very prominent.	53	2'	
95139	Round patch of earth with bushes growing on it. On top of rock ledge islet.	53	6'	
95140	Southern gable of "L" on house. 3' red brick chimney on "L". 2 windows in the south gable. Grey wooden shingles on sides and roof.	53	20'	✓
95141	25' pointed spruce tree on MHWL at the bottom of 10' dirt bank. Most southerly spruce.	53	0'	
95142	25' pointed spruce on the north side of a small creek. Most southerly spruce.	53	1'	

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Signal No.	Description	Photo. No.	Height above MHW
95143	25' spruce tree on point of land. Largest and most northerly spruce.	53	3'
95144	SE gable of house with grey wooden shingles on roof and sides. There are three windows in the southeast gable.	53	25' ✓
95145	25' lone spruce on the west side of a small cove. Largest in vicinity.	53	8'
95146	25' spruce at edge of tree line about 1 m S of MHWL	53	1'
95148	3' brick chimney in center of a grey wooden shingled shed.	54	20' ?
95151	20' spruce about 1 meter west of MHWL. There is a 20' birch about 2 meters south of spruce.	55	1'
95152	30' leaning spruce at the head of a small cove. Most prominent spruce in vicinity.	55	1'
95153	15' spruce at head of small cove. 2 meters west of MHWL.	55	1'
95155	25' pointed spruce, 1 meter south of MHWL. Most prominent.	55	1'
95156	South gable of grey wooden shingled barn. Windmill on top of barn. Barn attached to house and shed.	55	35' ✓
95157	20' pointed spruce on the south side of a small cove. Most prominent spruce in vicinity.	55	1'
95158	25' pointed spruce on the south side of a small cove. Largest spruce in vicinity.	55	1'
95159	Center of hip roof on house. There are wooden shingles on roof. House is painted brown with green trimmings.	55	30' ✓
95160	40' spruce on the south side of a small cove. Largest spruce in vicinity.	55	5'
95161	30' spruce on the north side of a cove. Tallest spruce in vicinity.	55	2'
95162	4' grey boulder on point. Largest and most prominent boulder in vicinity.	55	4'

Signal No.	Description	Photo. No.	Height above MHW
95163	East gable of grey wooden shingled shack about 2 meters west of MHWL at the head of a small cove.	55	10' ✓
95164	30' overhanging spruce on the north side of a small cove. Most southerly spruce.	55	1'
95165	15' pointed spruce on the north side of a cove, at the bottom of a grassy slope.	55	1'
95166	20' spruce on south side of point. Most southerly spruce.	55	4'
95167	15' bushy lone spruce about 10 meters north of MHWL. Largest in vicinity.	55	8'
95168	20' pointed spruce on point of land. Most northerly spruce.	55	3'
95172	30' lone juniper tree about 8 meters west of MHWL. Only juniper in vicinity.	55	11'
95173	East gable of white house with black shutters and black asphalt roof.	55	30' ✓
95174	N gable of barn with grey shingles. One window in N gable. Attached to house.	55	35' ✓
95175	Cupola on cream colored barn with grey wooden shingled roof. Shed is attached to barn.	55	35' ✓
95176	S gable of, shingled barn attached to house.	56	50' ✓
95178	S. gable of shed on MHWL. It has grey wooden shingles on roof.	56	10' ✓
95179	E gable of grey, shingled fish shed on MHWL.	56	12' ✓
95182	E gable of shack with grey shingled roof on MHWL.	39	30' ✓
95183	Cupola on barn behind a white house having three chimneys. Highway runs by the E side of house.	39	30' ✓
95185	30' spruce on the S side of E. Machias River. The most westerly spruce in a group of three.	39	21'
95186	15' pointed spruce on a 5' earth mound. Most westerly spruce.	58	5'
95189	SW corner of old dock made of piling and built out in E Machias River.	38	3'

Signal No.	Description	Photo. No.	Height above MHW
95191	30' spruce on E side of E Machias River. Largest spruce in vicinity.	38	2'
95192	E gable of grey shingled barn on N side of East Machias River	58	25' ✓
95193	NW gable of grey shingled house having two chimneys. At head of a small creek.	58	20' ✓
95194	20' pointed spruce on East side of a small creek. Most westerly spruce.	58	3'
95195	30' lone spruce on N side of a small creek. Largest spruce in vicinity.	58	2'
95196	N gable of a grey shingled barn. Highway parallels barn.	58	25' ✓
95198	15' lone spruce on N side of small cove. About 2 M north of NHWL.	58	1'
95199	N gable of a grey shingled barn on a high hill.	58	50' ✓
95200	15' flat-top spruce on S side of Machias River. Most easterly spruce	39	2'
95201	S gable of white house with black shutters and a 3' brick chimney. Three windows in S gable.	40	25' ✓
95203	East gable of grey wooden shingled house with 2 brick chimneys.	41	40' ✓
95206	South gable of grey wooden shingled house in clearing on the north side of a small creek.	41	40' ✓
95207	South gable of a white house with red chimney in center. Three windows in the south gable. One window in the east side.	41	40' ✓
95209	North gable of grey wooden shingled house on hill. There is a brick chimney in center of house. Three windows in the north gable.	41	35' ✓
95210-	East gable of grey wooden shingled barn with red asphalt shingled roof.	41	40' ✓
95211	20' spruce on the west side of a small creek. Station is on edge of tree line. Most northerly spruce.	41	3'
95212	The bow of an old vessel located in a cove. About 3' above MHW.	41	3' ✓

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Signal No.	Description	Photo. No.	Height above MHW
95213	25' lone spruce about 8 M north of MHWL. Largest spruce in vicinity.	56	10'
95216	30' double spruce on E side of Machias River. Largest spruce in vicinity.	56	3'
95217	E gable of house on E side of entrance to Machias River and due E of Machiasport Canning Co.	57	✓
95219	N gable of a grey shingled shed on a hill on E side of Machias River. It is about 100 meters E of MHWL.	57	35' ✓
95220A	15' spruce on S side of a ledge bluff. Most westerly spruce.	57	3'
95222	15' bushy spruce on point of land on N side of small cove. Most easterly spruce.	39	3'
95224	20' lone pointed spruce. Only spruce in vicinity.	39	3'
95226	10' spruce on point of land. Most easterly spruce.	39	2'
95228	E chimney of house painted white with green shutters. A barn is attached to house.	27	60' ✓
95230	NE corner of yellow building on MHWL of the N side of Machias River. There is a 3' brick chimney on the building.	27	10' ✓
95231	S gable of building with brown asphalt shingles on sides and black shingles on the roof. Building has 1 chimney.	27	11' ✓
95232	NE gable of garage, painted white with black asphalt shingles on roof. There are 3 large windows in the south side.	27	15' ✓
95233	E gable of a brown building on N side of Machias River. It has shingles on sides and has a yellow trim.	27	20' ✓
95238	West gable of brown house with two chimneys. A barn with red roofing paper is next to the house.	39	40' ✓
95241	15' flat-top, lone, spruce on side of grassy slope. Only spruce in vicinity.	38	2'
95235	20' bushy spruce on N side of Machias River. Largest and most southerly spruce in vicinity.	39	15'

Signal No.	Description	Photo. No.	Height above MHW
95242	15' leaning spruce on side of a rock ledge. Most westerly spruce.	58	5'
95243	15' bushy spruce on point of land on W side of small cove. Most southerly spruce.	58	4'
95244	10' pointed spruce at head of small cove on edge of grass line.	58	3'
95245	30' spruce about 5 meters N of MHWL. Largest spruce in vicinity.	58	5'
95246	30' pine about 1 meter E of MHWL. Only pine in vicinity.	57	2'
95247	4' grey boulder on N side of small cove on MHWL. Largest in vicinity.	57	3'
95248	West gable of shack with tarpaper on roof, at head of small cove. Only building in vicinity.	57	10' ✓
95249	15' bushy spruce on S side of small cove. Only spruce in vicinity.	57	0'
95250	25' pointed spruce on S side of small cove. Most easterly spruce.	57	4'
95251	15' bushy spruce about 6 m S of MHWL. Most westerly spruce.	57	5'
95253	20' lone spruce on S side of cove. Largest spruce in vicinity.	57	4'
95254	10' lone spruce on point of land. Most northerly spruce on point.	57	1'
95255	E gable of grey house with brick chimney in center.	39	20' ✓
95256	10', bushy spruce, most westerly on W side of an island. It is about 1 meter E of MHWL.	39	1'
95258	20' spruce about 4 meters W of MHWL. Most easterly spruce.	39	2'
95259	S gable of grey wooden-shingled, barn with two windows and a door in the S gable. There is a house about 15 meters S of Barn.	39	30' ✓
95260	20' spruce on W side of small creek. Largest spruce in vicinity.	39	3'

Signal No.	Description	Photo. No.	Height above MHW
9932	25' pointed spruce at edge of tree line and about 3 M S of MHW.	753	
99144	30' pointed spruce about 3 meters west of MHWL. Largest spruce in vicinity.	21	4'
99158	15' pointed spruce about 10 meters east of MHWL. Most westerly spruce on point of land.	44	3'

GEOGRAPHIC NAMES T-8795

- Birch Point ✓
- Bucks Neck ✓
- Bucks Mt. ✓
- Collins Branch ✓
- Crocker Point ✓
- Days Head ✓
- Dog Town ✓
- Duck Cove ✓
- East Branch ✓
- East Machias (2) ✓
- East Machias River ✓
- Englishman River ✓
- Fort O'Brien Point ✓
- Fort O'Brien ~~State Park~~ ✓
- Foss Point ✓
- Hadley Lake Road ✓
- Hog Island ✓
- Holmes Point ✓
- Holway Point ✓
- Hooper Point ✓
- Hope Island ✓
- Howard Cove ✓
- Howard Mt. ✓
- Hoyt town ✓
- Huntley Mt. ✓
- Indian Head ✓
- Jacksonville Road (state 191) ✓
- Johnson Point ✓
- Jonesport Road (Part of U.S. No. 1) ✓
- Kennebec ✓
- "L" Point ✓
- Larrabee ✓
- Larrabee Cove ✓
- Libby Brook ✓
- Libby Cove ✓
- Libby Head ✓
- Little Kennebec Bay ✓
- Lubec Road (Part of U.S. No. 1) ✓
- Machias (2) ✓
- Machiasport (2) ✓
- Machiasport Station ✓
- Machias River ✓
- Maine Central ✓
- Marshall Point ✓
- Marshfield ✓
- Marston Point ✓
- Meadow Brook (2) ✓
- Meserve Head ✓
- Middle River ✓
- Mill Creek ✓
- Mill Pond ✓
- Miller Mt. ✓
- Moose Snare Cove ✓
- Mount Aetna ✓
- Narrows Mt. ✓
- Newcomb Point ✓
- Northfield Road (state 192) ✓
- Old Road ✓
- Petegrow Cove ✓
- Porcupine Island ✓
- Pot Head ✓
- Pumpkin Ridge ✓
- Randall Point ✓
- Randall Point Flats ✓
- Roque Bluffs ✓
- Roque Bluffs Road ✓
- Runaway Pond Heath ✓
- Sanborn Cove ✓
- Sanborn Marsh ✓
- Seaside Mt. ✓
- Shipyard Cove ✓
- Silvan Park ✓
- Simpson Island ✓
- Smith Point ✓
- Spruce Cove ✓
- Stevens Cove ✓
- Stuart Ridge ✓
- The Rim ✓
- West Branch ✓
- Whitneyville (2) - ?
- Whitneyville Road (U.S. 1A) ✓
- Woodruff Cove ✓
- Yoho Creek ✓
- Yoho Head ✓
- Bucks Harbor (village) ✓
- Sylvan Park ✓

? is this name worth applying? Field Edit has shown location Name applied.

Machias State Park (*)

Seashore

(X): according to name report, it is this way on a sign over the entrance.

4/13/49: names preceded by . are approved, subject to a final check by Field Edit
L. Heck 4/12

FIELD EDIT REPORT

TO ACCOMPANY

QUADRANGLE T-8795

Field edit was accomplished in accordance with current instructions for field completion surveys, during the period May 12 to June 23, by George E. Varnadoe, Cartographic Engineer, (vertical accuracy test and re-identification of topographic stations); William H. Shearouse, Cartographer, (vertical accuracy test and field edit of planimetry and contours on the north half); and John R. Smith, Cartographic Survey Aid, (field edit of planimetry and contours on the south half).

51. METHODS

The work was done by riding out all passable roads and streets. Roads and trails were walked out where necessary, to check classification, planimetry and contours, or to answer questions raised by the reviewer. Where there was a question as to the correctness of shoreline delineation it was traversed on foot and at the stage of tide most advantageous to answer the inquiry. A skiff and outboard motor were used to reach points inaccessible by truck. Additions and corrections were made by planetable or tape methods and were applied directly to the field edit sheet or to the photographs, depending on which was the more logical to correct.

Additions and corrections were made in red ink; deletions in green. A legend is provided on Field Edit Sheet No. 1.

Field edit information has been shown on one of five sources, i. e., (1) Discrepancy Prints for questions requiring "Yes" or "No" answers; (2) Field

Edit Sheet No. 1 for the majority of editing of planimetry and contours; vertical accuracy test at Lat. $44^{\circ}43.4'$, Long. $67^{\circ}27'$; and vertical accuracy test (in part) at Lat. $44^{\circ}43.4'$, Long. $67^{\circ}25'$; (3) Field Edit Sheet No. 1A for vertical accuracy test (in part) at Lat. $44^{\circ}42.6'$, Long. $67^{\circ}26'$, and to show centerline of newly constructed portion of U.S. Highway No. 1 at Lat. $44^{\circ}43.5'$, Long. $67^{\circ}24.2'$, and a few additions; (4) Field Edit sheet No. 2 for editing of planimetry and contours, and (5) single lens photographs Nos. 44 C 980 and 981; 46 C 27, 28, 29, 37, 38, 39, 56, 57, 58, 59, all 1:20,000 scale and ratio prints 44 C 980, 982, 46 C 22, 27, 37, 39, 56, and 59. In each instance where work was done on a photograph reference to it was made on the Field Edit Sheet.

52. ADEQUACY OF COMPILATION

Compilation of the map manuscript is adequate and will be complete after field edit corrections and additions.

Attention is invited to the following:

(1) Buildings, in numerous instances, have been reshaped or corrected in size. (Probably a more thorough stereoscopic study would have resulted in more accurate delineation of buildings, especially in the City of Machias.

(2) Triangulation station MACHIASPORT, OLD CHURCH, OPPOSITE, 1862, was misplotted. The Longitude was evidently back-plotted.

53. MAP ACCURACY

No horizontal accuracy test was specified for this quadrangle. However, at numerous identifiable set-ups along planetable traverses two or more triangulation stations were visible. Cuts taken to these triangulation stations proved the horizontal accuracy of the compilation to be within the required accuracy. Contours were visually inspected in numerous instances and found to be excellent as to relief expression. There were no areas requiring contouring.

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Two vertical accuracy tests were specified. Standard planetable methods were employed for both. The test at Lat. $44^{\circ}43'$, Long. $67^{\circ}25'$, was run in two parts. That part run on Field Edit Sheet No. 1, originated at B.M. L 94 and was closed at B.M. M 94. The vertical closure was 0.6 ft. high. The second part continued from B.M. M 94 to B.M. K 94 and was run on Field Edit Sheet No. 1A. The vertical closure was 0.1 ft. high. No vertical adjustment was made. Horizontally this accuracy test originated and closed at road intersections. There was no appreciable error of horizontal closure. Contours were found to be within accuracy requirements with the exception of that part of the test which traversed a newly constructed part of U. S. Highway No. 1 (Lat. $44^{\circ}43.5'$, Long. $67^{\circ}24.2'$). Here the contours had to be revised due to grading and filling.

The other vertical accuracy test was run at Lat. $44^{\circ}44.5'$, Long. $67^{\circ}27'$. The test originated at B.M. R 75 and ended on a trigonometric level point. The vertical closure was 0.4 ft. high. No vertical adjustment was made. This test originated and closed at acute road intersections and in addition several such points were checked along the traverse. The error of horizontal closure was negligible. The contours tested were proven to be within the required mapping accuracy.

54. RECOMMENDATIONS

Except for a more thorough stereoscopic study of buildings as mentioned in side heading number 52, no recommendations are offered.

55. EXAMINATION OF PROOF COPY

Mr. Richard A. Mawhinney, a local land surveyor, whose address is P.O.Box 271, Machias, Maine, has examined the map compilation and could find no errors. Mr. Mawhinney showed considerable interest in the map and pointed out where new buildings would be constructed in Machias, some of which have the foundations laid. As he has readily agreed to examine a proof copy he will probably indicate on it buildings which have been completed at that time.

4/15

Eastern
Geographic names: A small settlement in the northwestern part of this quadrangle is known locally as "Dogtown". The name should be retained, but it was misplaced on the compilation. This is corrected on the Field Edit Sheet. (The settlement gets this name from the many dogs raised by a man living there.)

No part of U. S. Highway No. 1 is referred to, locally, as the "Jonesport Road" or "Lubec Road". These names should not be retained. (They were in local usage many years ago during stage coach days.

No other discrepancies were noted during field edit.

56. LANDMARKS FOR CHARTS

The landmark recommended for charting in side heading number 11 LANDMARKS AND AIDS TO NAVIGATION, of the Field Inspection Report should not be charted as such. It is comparatively low, inconspicuous and is not visible from seaward for any appreciable distance. Another feature, namely Machiasport Church Spire (topographic station SPIRE, 1946) is recommended. It is 164 feet above mean high water, the only Church spire in the vicinity and is visible from the greater part of Machias Bay. Form 567 is being submitted. See Review Report.

57. ROADS AND BUILDINGS

Roads and buildings have been reclassified. It is worthy of noting that U. S. Highway No. 1 should not be classified higher than 4th class, as the nature of its construction does not warrant it.

Although the latest instructions are not specific concerning the classification of dwellings with barns attached (under one roof) a line has been drawn through such buildings at the point of

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transition, and that part of the building that is a barn has been labeled "2". This will apply to all of Project Ph-11(46).

Respectfully submitted,
June 27, 1949

George E. Varnadoe
George E. Varnadoe,
Cartographic Engineer

HISTORY OF DEPTH CURVES

T-8795

Machias Quadrangle, Maine

The depth curves drawn at twenty foot intervals are referred to mean low water, and originate with hydrographic surveys by this bureau and surveys by Corps of Engineers:

H-1685	(1885)	1:10,000
H-1686	(1885)	1:10,000
H-1687	(1885)	1:10,000
H-1688	(1885)	1:10,000
BP-16287	(1916)	1:2,400
BP-16288	(1916)	1:2,400

1885 to 1916

Curves compiled by: R. E. Elkins - 4/5/49
Curves checked by: G. F. Jordan - 4/7/49

R. E. Elkins
R. E. Elkins
4/7/49

Depth curves and soundings are not shown on the registered copy.

Review Report T-8795
Topographic Map
December 28, 1949

26.-Control:

The following triangulation stations were added to the map manuscript:

Gray, 1883
Holway, 1883
Peterson, 1882
Old Road, 1885
Indian Hill, 1862 (Recovered 1946)

These stations were not found by the field party, but are probably recoverable.

Fourteen U.S. C&GS, four U.S.G.S. and one U.I.T. bench marks were recovered in the field and are shown on the map manuscript. *culiv*

28.-Detailing:

All corrections made on the map manuscript during review are shown in red ink.

Several contours were reshaped along the vertical accuracy tests to conform with the field elevations.

Minor changes were made in woodland classification.

31.-Mean-Low Water Line:

The position of the approximate MLWL was taken from the photographs supplemented by the hydrographic surveys. At Randall Point Flats, the low water line was taken directly from the hydrographic surveys. The nature of the foreshore was symbolized on the map manuscript in accordance with the field inspection notes. See "History of Depth Curves" for hydrographic sources.
Information taken from Hydrographic Surveys not shown on registered copy.

34.-Landmarks and Aids to Navigation:

The recommended landmark, Stack, at Machiasport, has been rejected by the Field Editor. This information was noted on the original Form 567, Chart Letter 69(49).

Forms 567 are filed in the Nautical Chart Branch for Spire, Chart Letter 649(49) and Cupola, Town Hall, Chart Letter 69(49).

37.-Recoverable Topographic Stations:

The position for topographic station Norm, 1946 has been scaled during review.

The field Editor reprinted three stations that were originally rejected by the compiler. Positions for these stations are listed on Form 524 cards. The horizontal control on the map manuscript meets the project requirements.

44.-Comparison with Existing Survey:

a)	USGS	Machias Quad.	1:62,500	1918 Repr. 1943
	USE	" "	"	1942

Several boundaries are incorrectly located on the quadrangles:

b)	T-1540	1:10,000	1882-84
	T-1543	"	" "
	T-1666	"	1885
	T-1670	"	1883-85
	T-1739	"	1885-86

This map supersedes these surveys for nautical charting purposes.

45.-Comparison with Nautical Charts:

Chart No. 303	1:10,000	1945 Corr. 1948
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The cable area across the Machias River, N. of Machiasport is not on the chart. - *No official letter from Army*

A new landmark has been recommended for charting. See paragraph 34 of this report.

The MHWL is shown too far inland on the chart at Sanborn Marsh.

47.-Adequacy of the Compilation:

This map, T-8795, is a complete topographic map and has been compared and reconciled with all hydrographic and topographic surveys of record in this Bureau and is, therefore, the most complete and accurate topographic map of record in the area covered.

48.-Accuracy Tests:

Two vertical accuracy tests were run on this quadrangle. One along the northern limits of the project and the other SE of Machias. Field elevation MA 30 was checked. The point had been misidentified on the photograph. See paragraph 26(b) of the Compilation Report.

This map complies with the National Standards of Map Accuracy.

49.-Overlay:

An overlay was prepared showing the border information, road classifications and route numbers, triangulation stations, bench marks, landmarks and spot elevations that are to be shown by the draftsman.

Reviewed by:

Charles Theurer
C. Theurer

Approved by:

S. V. Griffith
Chief, Review Section B 2/2/50
Division of Photogrammetry

H. E. Edmonson
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading W. M. Acaife
Chief, Division of Photogrammetry Chief, Div. of Coastal Surveys ^{W. H.}