

5997

Diag'd. on Diag. Ch. No. 1204-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric Air Photographic

Field No. CS-272 Office No. T-5997

LOCALITY

State Maine

General locality Coast of Maine

Locality Medomak River, Broad Cove,
Pemaquid Pond

Date of Photos - 10-20-41

194 3

CHIEF OF PARTY

F.L. Peacock

LIBRARY & ARCHIVES

DATE

April 1 - 1949

5-1870-1 (1)

5997

DATA RECORD

T-5997

Quadrangle (II):

Waldoboro (15'), Maine (U.S.G.S.)

Project No. (II): CS-272

Sub-Project No. CS-272-C

Field Office:

Air Photographic Party No. 2
Baltimore, Maryland

Chief of Party:

Fred. L. Peacock

Compilation Office:

Air Photographic Party No. 2
Baltimore, Maryland

Chief of Party:

Fred. L. Peacock

Instructions dated (II III):

January 12, 1942; April 1, 1942

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

Completed survey received in office: 4 Dec. 1943

Reported to Nautical Chart Section:

Reviewed: 1/29/45

Applied to chart No. 313 (Reconst.) Date: 8/3/45

Redrafting Completed: 1 May 1945

Registered: March 1949
~~12 May 1948~~

Published: Dec. 1946

Compilation Scale: 1:9,700

Published Scale: 1:10,000

Scale Factor (III): 1.031

Geographic Datum (III): N. A. 1927

Datum Plane (III): Mean Sea level^{H. W.}

Reference Station (III): JOHNSTON, 1859, 1934, r. 1943

Lat.: $44^{\circ} 00' 49.315''$ (1522.1 m.) $49.138''$ (1094.5 m.) Adjusted
 $49.33''$ 1522.8 m. Long.: $69^{\circ} 25' 49.17''$ 1095.3 m. Adjusted
 Unadjusted (Field)

State Plane Coordinates (VI): Maine, East Zone*

X = 255,267.05 ft

Y = 67,123.02 ft

Military Grid Zone (VI) Not to be shown

* As shown on manuscript in black ink; the west zone, which will not be shown on published map, is shown in red acid ink.

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
7119 to 7121 Incl.	10/20/41	11:14 a.m.	1:10,000	9.6' above M. L. W.*
7095 to 7098 Incl.	10/20/41	10:45 a.m.	1:10,000	10.2' above M. L. W.*
7128 to 7131 Incl.	10/20/41	11:31 a.m.	1:10,000	9.0' above M. L. W.*
7056 to 7059 Incl.	10/20/41	9:46 a.m.	1:10,000	10.4' above M. L. W.*
7086 to 7089 Incl.	10/20/41	10:35 a.m.	1:10,000	10.2' above M. L. W.*
7051 to 7053 Incl.	10/20/41	9:42 a.m.	1:10,000	9.9' above M. L. W.*

Tide from (III); Predicted Tide Tables, Reference Station Portland, Maine with time corrections to *Broad Cove, Medomak River, Maine and **Newcastle, Damariscotta River, Maine. Spring Range: *10.0' **9.7'

Mean Range: *8.8' **8.5'

Camera: (Kind or source) U. S. Coast & Geodetic Survey nine lens camera (focal length $8\frac{1}{4}$ "). All negatives are on file in the Washington Office.

Field Inspection by: Lieut. Comdr. Henry O. Fortin date: Summer, 1943

Field Edit by: date:

Date of Mean High-Water Line Location (III);

October 20, 1941

Projection and Grids ruled by (III) J. O'Neill date: 7/19 & 21/43

" " " checked by: B. R. C. date: 7/19 & 21/43

Control plotted by: Ada May Hobine date: 7/26 to 27/43

Control checked by: Abraham L. Goncharsky date: 7/27/43

Radial Plot by: Walter E. Schmidt date: August, 1943
Abraham L. Goncharsky (Western Part-Shoreline & Interior Rough Draft) Aug. to Oct., 1943

Detailed by: William O. Norris (Eastern Part-Shoreline & Interior-Rough Draft) date: Aug. to 1943

Reviewed in compilation office by: James E. Sunderland date: Oct. and Nov., 1943

Elevations on Field Edit Sheet checked by: date:

STATISTICS (III)

Land Area (Sq. Statute Miles): Approximately 24 square Statute Miles

Shoreline (More than 200 meters to opposite shore): Approx. 15.0 Statute Miles-
Tidal Waters

Approx. 23.0 Statute Miles - Interior Ponds

Shoreline (Less than 200 meters to opposite shore):

Approx. 7.0 Statute Miles - Tidal Waters

Approx. 0.5 Statute Miles - Interior Ponds

Number of Recoverable Topographic Stations established: Eight (8) (One of which is a Tidal Bench Mark) - 7 positions determined by radial intersection, one (1) by graphic resection.

Number of Temporary Hydrographic Stations located by radial plot:

One Hundred and forty-two (142) - positions determined by radial intersection.

Leveling (to control contours) - miles: None

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:

26 CONTROL:

The control shown on the Map Drawing consists of twenty-two U. S. Coast & Geodetic Survey triangulation stations, and two Maine State (C.W.A.) traverse stations which are also bench marks. One of the triangulation stations has been identified by a "Field Inspection Point".

The following control stations fall within the detail limits of the Map Drawing:

Fifteen U. S. Coast & Geodetic Survey triangulation stations:

- BREMO, 1860, 1934, r.1943
- STAHL, 1860, no recovery in 1943 *Look 1934*
- GEEL, 1860, 1934, r.1943
- EASTERN BRANCH, 1866, no recovery in 1943 *Removed from manuscript*
- HAVENER'S HOUSE, CENTER OF CHIMNEY, 1866 (hole in roof found in 1943)
- MILLERS ISLAND, 1866, no recovery in 1943
- HARRIS, 1866, no recovery in 1943
- HOWARD'S RED STORE, CENTER OF CHIMNEY, 1866 (identified *Removed* by old chimney site in 1943)
- RED HOUSE, CENTER OF CHIMNEY, 1866, r.1943
- HEATH, 1866, no recovery in 1943
- HEATH'S HOUSE, WEST CHIMNEY, 1866, r.1943
- OLD HOUSE, CENTER OF CHIMNEY, 1866, r.1943
- JOHNSTON, 1859, r.1943
- DAMARISCOTTA, GRAY STANDPIPE, NEAR, 1934, r.1943
- BIRKMORE'S HOUSE, CENTER OF CHIMNEY, 1866, no recovery in 1943 (image of chimney which was thought to be the station was pricked by this Compilation Office. (N.B.) Refer to paragraph No. 27)

One Maine State traverse station (C.W.A.) which is also a bench mark:

- Monument No. 172, 1934-35, r.1943

The following control stations fall just outside the detail limits of this Map Drawing:

Seven U. S. Coast & Geodetic Survey triangulation stations:

- LOWER HUNGRY, 1866, no recovery in 1943
- HUNGRY, 1859, 1934, r.1943
- DELANO, 1934, r.1943 (F.I.P. "DEL")
- SQUARE YELLOW HOUSE CHIMNEY, 1860, r.1943
- ONE STORY WHITE HOUSE CHIMNEY, 1860, r.1943
- KINSEL, 1860, 1934, r.1943
- GREENLAND COVE, WHITE HOUSE, SOUTH CHIMNEY, 1859, r.1943

One Maine State traverse station (C.W.A.) which is also a bench mark:

- Monument No. 174, 1934-35, r.1943

See also "Classification of Horizontal Control by F.I. Party, CS-272 B&C" in Review Section Files

26 CONTROL: (cont'd)

All of the control has been shown with the conventional triangulation symbol except the "Field Inspection Point" which has been shown with a small square drawn in red acid ink. The triangulation symbol, drawn in black acid ink, indicates that the position of the control station has been plotted directly on the Map Drawing from geographic coordinates. The triangulation symbol drawn in red acid ink indicates that the position of the control station has been transferred from an adjoining map drawing upon which it had been previously plotted from geographic coordinates. The dashed symbol indicates that the station has been identified by an old chimney site, etc., the original structure having been destroyed. Such a station should be considered lost. *Such stations have been removed from manuscript.*

27 RADIAL PLOT:

The radial plot for the area of this Survey was laid by the usual (?) radial method. No celluloid templates were used, the photographs being oriented directly under the celluloid Projection Sheet.

The area was well covered by photography and the distribution of the flights was satisfactory. That part of the field inspection data used to determine the photographic positions of the control stations was excellent. The number of control stations was sufficient to control the plot.

The positions of all the triangulation stations which were recovered and definitely identified by the Field Inspection ^{Party} in 1943 within the area of this Survey, were held to satisfactorily in the plot with the following exceptions. The identification of the triangulation station "BRIGHT YELLOW HOUSE, CENTER OF CHIMNEY, 1866", was doubtful according to the Field Inspection Party. The radial plot proved that the recommended photographic position of the station was incorrect. However, the position of the chimney identified as the station was radially plotted and has been shown on the Map Drawing with a 2¹/₂ mm. red acid ink circle, in conjunction with a descriptive note. *Removed to avoid confusion with recoverable top stations.* The position so determined is approximately 95.0 meters southeast of the position of the station plotted (none deleted) from geographic coordinates. Because of the recommendations by the Field Inspection Party and of the facts stated above, it is believed that the station should be considered lost. *also considered lost in 1934.* For the triangulation station "BIRKMORE'S HOUSE, CENTER OF CHIMNEY, 1866," any one of three chimneys was recommended by the Field Inspection Party as being the station. None of the images of the chimneys ^{were} pricked on the field photographs. However, the radial plot proved that the chimney in the center of the ridge pole, of the highest part of the dwelling, was the station. *This station not removed from manuscript.*

27 RADIAL PLOT: (cont'd)

The positions of common secondary points previously established by radial plots for the areas of adjoining Surveys were held to satisfactorily. Flight lines were also held to satisfactorily.

It was obvious that some of the photographs were tilted, but the angle of tilt was apparently not greater than three degrees in any of them, and no computations were deemed necessary to determine the positions of the iso-centers. Therefore, the principle points (photograph centers) were used as the chief ray centers for all radials.

The error of closure of the radial intersections of the secondary points was negligible and no exceptional difficulties were encountered in adjustment. All the positions of the secondary points and the photograph centers, established by the plot, are believed to be within the limits of satisfactory accuracy.

Under authorization of the Washington Office, Survey No. T-5997 has been compiled in two parts (Eastern and Western). Duplicate Map Drawing projections were furnished by the Washington Office. One was marked "Original" and the other "Duplicate" by this Compilation Office.

The above procedure was followed because it permitted what was believed to be the best allocation of the work on hand. It was part of a planned program, which enabled the compilers to complete the detail of the Mean High-Water Line and offshore features, and establish positions of temporary hydrographic stations, etc., in a block of eleven surveys, in order to meet in time, the immediate needs of the operating hydrographic parties. Also the full compilation was completed within a shorter period of time, thereby permitting the compilers to resume work on previously started compilations or to take up new assignments much sooner than if the compilation had been fully completed by one compiler.

The projection marked "Original" was used when the individual radial plot was laid. The positions of triangulation stations, "Field Inspection Points", photograph centers, and secondary points, all of which were at first plotted on the "Original" were transferred to the "Duplicate" by the method of matching common projection lines and pricking through.

The eastern part of the Survey was compiled on the "Original", while for the western part the "Duplicate" was used.

See also: "Report on Field Inspection of Air Photographs from Long. 69°30' northeastward to Lat. 44°15'" Season 1943 Project 272-C, F.L. Peacock.

*and "Notes for Hydrographic Parties Paragraphs Nos. 26 & 27
Long 69°30' northeastward to Lat. 44°15'" Project CS-272-C
Season 1943, F.L. Peacock.*

Respectfully submitted:
November 2, 1943

Walter E. Schmidt
Walter E. Schmidt
Asst. Photogrammetric Engineer

DESCRIPTIVE REPORT
FOR THE
WESTERN PART
OF
MAP DRAWING,
SURVEY NO. T-5997

28 DETAILING:

The Western Part of Map Drawing, Survey No. T-5997 has been compiled in accordance with instructions set forth in the Director's letters dated January 12 and April 1, 1942, pertaining to Project No. CS-272.

The detail limits of the Western Part of the Map Drawing are considered to be from Latitude $44^{\circ} 00' 00''$ to Latitude $44^{\circ} 03' 45''$ and from Longitude $69^{\circ} 26' 00''$ to Longitude $69^{\circ} 30' 00''$.

Planimetric details have been shown with the conventional topographic symbols, and any deviation therefrom has been indicated by descriptive notes on the Map Drawing.

There are no tidal waters to be considered. The only bodies of water being those of interior ponds, the shore line of which consists generally of firm ground (dirt) with scattered fringes of marsh bordering it. Most of the area consists of land, a large portion of which has dense growths of vegetation of the coniferous and deciduous species. Bordering the main highways, are a few cultivated areas. There are no towns or villages and therefore congested urban districts need not be considered.

The area was well covered by photography and the number of photographs was sufficient, in conjunction with the field inspection data, which were adequate (unless otherwise mentioned) to detail the planimetry.

Small purple or green ink circles on the glossy side of the Map Drawing denote points, the positions of which have been radially plotted and are considered relatively strong or weak respectively. Small red ink circles denote common points, the positions of which have been determined from previous plots of the areas of adjoining surveys. The relative strength of these points is indicated by concentric purple or green ink circles.

The scales of the photographs and the Map Drawing were in good agreement, and it was necessary to use the vertical projector to detail only a few small areas.

The classification of all roads shown on the Map Drawing by notes is in accordance with the field inspection data. All roads except trails where shown by a centerline only, are to be considered 6.0 meters wide, unless otherwise noted on the Map Drawing.

In general, all areas of vegetation have been classified in accordance with the field inspection data. However, there were a few such areas for which no classification was furnished, and, therefore, it was necessary to use the stereoscope in order that a reasonable determination of the classification could be made.

28 DETAILING: (cont'd)

Threads of very narrow streams and ditches which were not visible on the photographs, and the courses of which were traced out on the photographs by stereoscopy, were detailed and shown on the Map Drawing with a dashed light-weight black acid ink line in conjunction with the notes "stream" or "drainage".

It is believed that all private and public buildings the images of which were visible on the photographs and which are located in the Western Part of Survey No. T-5997, have been shown on the Map Drawing with the following exceptions. On field photograph No. 7058, the Field Inspection Party indicated by notes that there were six cabins on the east shore and at the northern end of McCurdy Pond. The images of these cabins were not visible on any of the photographs and therefore were not shown on the Map Drawing. In the same locality but on field photograph No. 7059, the Field Inspection Party called attention to two buildings (not visible) which are believed to be two of the six cabins just mentioned. On the same shore of McCurdy Pond and just south of the above mentioned cabins, three other buildings were indicated on the field photograph No. 7059. These three buildings were not shown on the Map Drawing because their images were not visible on any of the photographs.

general location; not shown

fairly accurate location by field party; these for these

buildings have been shown.

The shore line at the northern end of McCurdy Pond is shown on field photograph No. 7059 as a firm ground line while on photograph No. 7058 a marsh line is shown. The U. S. Geological Survey, "Waldoboro Quadrangle (15'), Maine", shows a contour line immediately back of the shore line indicating a rise of approximately four feet from the water level of the pond. The area involved appears to be low according to stereoscopic examination of the photographs. No definite decision could be made as to how the shore line should be symbolized. However, the data furnished on the field photograph No. 7059 was assumed to be correct and the shore line and immediate adjacent culture have been detailed accordingly.

quad shows this area as marsh and is so shown on manuscript.

The location of features, the images of which were not visible on the office photographs, were detailed as sketched on the field photographs by the Field Inspection Party; the exceptions being buildings which have been previously discussed.

In order to preserve clarity of detail, fences and narrow strips of vegetation located very close and parallel to the traveled roadways were not shown on the Map Drawing.

30 MEAN HIGH-WATER LINE:

Since there are no tidal waters within the detail limits of the Western Part of this Map Drawing, the Mean High-Water Line need not be considered. The only bodies of water appearing in the area are ponds. The shore line (firm ground) of these ponds has been detailed in accordance with the field inspection data, and has been shown on the Map Drawing with a full medium-weight black acid ink line, the center of

30 MEAN HIGH-WATER LINE: (cont'd)

which is believed to be the true position at the average height of the water level of the ponds.

The outer limits of the few marsh areas which were visible on the photographs, and which border the shore line of these ponds, have been shown with a full light-weight black acid ink line. The included areas of marsh have been shown with the conventional symbol. There are a few fringes of grass in water bordering the shore line. These areas have also been shown on the Map Drawing with the conventional symbol.

31 LOW-WATER AND SHOAL LINES:

Because of reasons given in paragraph No. 30, there are actually no low-water lines to be considered. However, the approximate limits of a few areas which are believed to be shoal have been detailed on the Map Drawing in accordance with interpretation by this Compilation Office. No field inspection data was furnished for such areas. These approximate limits have been shown with a dashed light-weight black acid ink line in conjunction with the note "Shoal" on the Map Drawing.

32 DETAILS OFFSHORE FROM THE HIGH-WATER LINE:

All offshore features have been detailed in accordance with both the field inspection data and information obtained from stereoscopic examination of the photographs. Such features have been shown with the conventional symbols.

33 WHARVES AND SHORE LINE STRUCTURES:

In accordance with the field inspection data, a ramp has been detailed and shown on the Map Drawing, accompanied by a descriptive note. There were no other data furnished for wharves or shore line structures. However, the office photographs were carefully examined in order to prove to the satisfaction of this Compilation Office that additional wharves or shore line structures did not exist. The photographs did not reveal the location of additional structures.

34 LANDMARKS AND AIDS TO NAVIGATION:

There are no landmarks or aids to navigation located in the Western Part of the Map Drawing. No aeronautical aids were recommended by the Field Inspection Party.

35 HYDROGRAPHIC CONTROL: *Appended hereto: Descriptions of 142 temp. hydro. stas. & Recor. Tps Stas. 1/ BM (8 fms. 524)*

Since there are no tidal waters in the Western Part of the Survey, no hydrographic control need be considered. No recoverable topographic stations were recommended by the Field Inspection Party.

37 JUNCTIONS:

Satisfactory junction of the shore line of interior ponds and of interior planimetry was made with Map Drawing, Survey No. T-5998 to the south.

Since the compilation of Map Drawing, Survey No. T-5996 to the north has not been completed, junction of the two Map Drawings will be made at a later date. Checked with ozalid print of T-5996 1/23/45

OK
11 May 48

On Map Drawing, Survey No. T-5994 to the west, the detail of only the shore line and immediate adjacent culture was necessary. Since the two Map Drawings join together along the meridian at Longitude $69^{\circ} 30' 00''$, which passes through all land area, no junction of either shore line or interior planimetry need be considered.

There is no detail on T-5994 at the junction line.

Since the Eastern and Western Parts of Map Drawing, Survey No. T-5997 join together along the meridian at Longitude $69^{\circ} 26' 00''$, which passes through all land area, junction of interior planimetry only was made. This junction is in agreement.

38 GEOGRAPHIC NAMES:

Data obtained from the investigation of geographic names made by Lieut. Comdr. Henry O. Fortin in 1943 pertaining to the area of Survey No. T-5997, were furnished this Compilation Office.

OK

The geographic names shown on the Map Drawing, none of which were disputed, have been compiled in a list which is submitted herein.

39 RECOMMENDATIONS FOR FUTURE SURVEYS:

The planimetry shown on the Map Drawing is believed to be complete in all details of importance and no additional surveys are recommended.

It is believed that the positions of well-defined objects and details of importance are within the limits of satisfactory accuracy.

40 BRIDGES:

There is only one bridge shown on the Map Drawing. It is of no navigational importance. However, the type, and vertical and horizontal clearances of the bridge have been shown by notes on the Map Drawing in accordance with the field inspection data.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

"Waldoboro Quadrangle, Maine, (15')", U. S. Geological Survey, .
edition of 1915; reprinted 1940, scale 1:62,500.

Since the scale difference between the Map Drawing and the above mentioned quadrangle was large, comparison of small planimetric details could not be readily made. However, planimetry common to both is in fair agreement with the following exceptions. The quadrangle shows areas of marsh at approximately Latitude $44^{\circ} 00' 30''$ and Longitude $69^{\circ} 28' 20''$, Latitude $44^{\circ} 02' 30''$ and Longitude $69^{\circ} 27' 15''$, and Latitude $44^{\circ} 01' 00''$ and Longitude $69^{\circ} 26' 15''$. In accordance with the field inspection data, these areas have been shown as firm ground grown with vegetation.

45 COMPARISON WITH NAUTICAL CHARTS:

The planimetry shown on the Western Part of this Map Drawing does not appear on any charts published for this area.

Respectfully submitted,
November 2, 1943

Abraham L. Goncharsky
Abraham L. Goncharsky
Sr. Engineering Draftsman

Compilation & Descriptive
Report Reviewed by:

James E. Sunderland
James E. Sunderland
Sr. Photogrammetric Aid

Supervised by:

Walter E. Schmidt
Walter E. Schmidt
Asst. Photogrammetric Eng.

Approved & Forwarded:
December 4, 1943

Fred. L. Peacock
Fred. L. Peacock
Chief, Air Photographic Party No. 2
Baltimore, Maryland

LIST OF GEOGRAPHIC NAMES

Undisputed

Back Meadow Brook ·
Biscay Pond ·
Grant School (Add) on manuscript ·
Knowlton Corner ·
Little Pond ·
McCurdy Pond ·
Muddy Pond ·
Pemaquid Pond ·

The only road name shown on the Map Drawing is "Back Meadow Road" which was obtained from the U. S. Geological Survey, "Waldoboro Quadrangle (15'), Maine".

DESCRIPTIVE REPORT

FOR THE

EASTERN PART

OF

MAP DRAWING

SURVEY NO. T-5997

28 DETAILING:

The main body of water shown on the Eastern Part of this Map Drawing is a portion of the Medomak River. The general character of the shore line of this river, and of other smaller bodies of water shown on this Map Drawing, is rocky. The interior consists mainly of wooded areas, grown with vegetation of the coniferous and deciduous varieties. Bordering the highways are small cultivated areas, and a few villages. None of the villages could be considered congested urban districts.

The area was well covered by photography, and the number of photographs on hand was sufficient for office detailing. The field inspection data were adequate with a few exceptions, which are to be discussed in some of the following paragraphs. The scales of the photographs and of this Map Drawing were in good agreement. Only a few small areas were detailed by the use of the vertical projector.

Relatively strong positions of points determined by radial intersection, have been shown on the glossy side of this Map Drawing with purple ink circles. The positions of points considered relatively weak have been shown with green ink circles.

It is believed that all planimetric features detailed on this Map Drawing, have been shown with the conventional topographic symbols as recommended by the Washington Office. However, any deviations from this method of symbolization has been described by notes either lettered on this Map Drawing or on the accompanying overlay sheet.

The classification of all roads has been shown by notes lettered on this Map Drawing, and is in accordance with the field inspection data. All of the roads, except trails, unless otherwise noted are to be considered 0.6mm. wide.

In general, the classification of wooded areas noted on this Map Drawing is in accordance with the field inspection data. However, where such data were incomplete, it was necessary to determine the classification by stereoscopic examination of the photographs. Stereopsis also revealed the location of a few streams for which no field inspection data were furnished.

It is believed that all buildings except small outbuildings, wherever their images were visible on the photographs, have been shown on this Map Drawing. Fences and narrow strips of vegetation located very close, and parallel to, the edges of the traveled roadways were not shown, in order that the clarity of other details of importance could be preserved.

With the exception of buildings, those planimetric features which were not visible on the office photographs were detailed and shown on this Map Drawing as sketched on the field photographs by

Note made by 1944 hydrographic party and indicated on field photo No. 7098 added in red ink to map manuscript.

Note on field photo shown by "49" in yellow ink. l.w. line & ledge in this area transferred to T-5997 from hydro (H-6964).

when review is made check this sheet very carefully against old surveys. J.R.

This has been done see review.

J.R. 1/24/45

28 DETAILING: (cont'd)

the Field Inspection Party.

30 MEAN HIGH-WATER LINE:

The Mean High-Water Line (firm ground) has been detailed on this Map Drawing in accordance with the field inspection data, and has been shown with a full heavy-weight black acid ink line, the center of which is believed to be the true position. The outer limits of marsh areas bordering the Mean High-Water Line have been shown with a full light-weight black acid ink line. This light-weight line does not necessarily define the Mean High-Water Line; it only indicates the outer limits of vegetation visible on the photographs, which were taken at approximately the time of high-water.

it wasn't, see review

Small red acid ink circles shown on the glossy side of this Map Drawing, along the eastern shore of Haver Cove at approximately Latitude $44^{\circ} 02' 00''$ and Longitude $69^{\circ} 22' 10''$, indicate positions of points which have been determined by the following sextant fixes furnished by the Field Inspection Party:

Point	No. of hydrographic station	Angles
a	1992	$94^{\circ} 31'$ (check angle)
	1991-A	
b	1993	$54^{\circ} 36'$
	1992	$81^{\circ} 48'$
	1991	$37^{\circ} 59'$
c	1993	$95^{\circ} 45'$
	1992	$16^{\circ} 35'$ (check angle)
	1991	$91^{\circ} 45'$
	1991-A	$93^{\circ} 40'$
d	1992	$17^{\circ} 16'$ (check angle)
	1991	$104^{\circ} 19'$
	1989	$32^{\circ} 50'$
	1988	$26^{\circ} 44'$ (check angle)
	1989	
	1986	

These points were used to detail the shore line where it could not be seen at all because of dense shadows. The points have now been removed for the sake of clarity.

30 MEAN HIGH-WATER LINE: (cont'd)

Point	No. of hydrographic station	Angles
e	1991	44° 51'
	1989	
	1988	104° 22'
	1989	96° 02' (check angle)
f	1989	80° 05'
	1987	
	1986	33° 46'
	1991	102° 19' (check angle)
g	1989	68° 06'
	1987	
	1986	66° 01'
	1991	73° 06' (check angle)
h	1987	93° 39'
	1986	
	1988	31° 39'
	1989	29° 50' (check angle)
j	1987	72° 32'
	1986	
	1988	68° 19'
	1989	16° 37' (check angle)
k	1987	21° 43'
	1986	
	1988-A	123° 37'
	1986	104° 15' (check angle)
	1988	

Differing data of overlapping field inspection of the Mean High-Water Line along the eastern shore of Western Branch, which is located at approximately Latitude 44° 02' 00" and Longitude 69° 24' 15", were furnished by the Field Inspection Party on field photographs Nos. 7130 and 7058. The shore line shown on this Map Drawing is in accordance with the data as furnished on field photograph No. 7130. The Mean

30 MEAN HIGH-WATER LINE: (cont'd)

High-Water Line as sketched on field photograph No. 7058 was detailed and shown on the accompanying overlay sheet in red acid ink. ~~Such detail as shown on both this Map Drawing and the overlay sheet is accompanied by descriptive notes.~~ *removed*

31 LOW-WATER AND SHOAL LINES:

The approximate outer limits of shoal areas bordering the Mean High-Water Line have been detailed in accordance with the field inspection data, and have been shown on this Map Drawing with a dashed light-weight black acid ink line, accompanied by the note "Approximate limits of Shoal", which has been lettered on the overlay sheet. The above mentioned approximate limits are for the use of operating hydrographic parties only, and are not considered to be the Low-Water Line.

*Removed
after completion of
hydro survey
H-6964*

32 DETAILS OFFSHORE FROM THE HIGH-WATER LINE:

All offshore rocks, reefs, and shoal areas shown on this Map Drawing with the conventional symbols, have been detailed in accordance with the field inspection data. The extent to which the rocks and reefs bare at Mean Low-Water or Mean High-Water has been shown on the overlay sheet.

33 WHARVES AND SHORE LINE STRUCTURES:

All piers shown on this Map Drawing have been detailed in accordance with the field inspection data. The note "pier" has been shown on the overlay sheet. It is believed that no other shore line structures exist.

34 LANDMARKS AND AIDS TO NAVIGATION:

There were no landmarks recommended for the area of the Eastern Part of this Map Drawing. The position of one "Aid to Navigation" appearing on Charts Nos. 313, 1203, and 1204 has been redetermined by graphic resection. The position could not be determined by radial intersection, because the image of the "Aid to Navigation", the name of which is "Bremen Long Island Beacon", could not be seen on any of the photographs. The photographic position as pricked on field photograph No. 7098 by the Field Inspection Party was accepted as correct. The beacon has been shown on the dull side of this Map Drawing with a black acid ink circle $2\frac{1}{2}$ mm. in diameter, accompanied by a descriptive note. Form No. 567 has been submitted. *See chart letter # 824 (1943)*

35 HYDROGRAPHIC CONTROL:

The positions of eight (8) recoverable topographic stations, one of which is a tidal bench mark, and one hundred forty two (142) temporary hydrographic stations have been determined by radial intersection, except the position of "Bremen Long Island Beacon", which has been determined by graphic resection. All of the stations have been shown on this Map Drawing with black acid ink circles $2\frac{1}{2}$ mm. in diameter.

The names, numbers, and descriptions of the recoverable topographic stations, and the numbers and descriptions of the temporary hydrographic stations have been compiled in a list, two copies of which have been previously submitted to the Washington Office. A copy of the list is submitted herein. *see pages following report.* The names and numbers of the recoverable topographic stations, accompanied by the note "Recoverable" have been shown on this Map Drawing. The numbers ^{only} of the temporary hydrographic stations have been shown on the accompanying overlay sheet.

Form No. 524 has been submitted for the following eight (8) recoverable topographic stations: *Filed under T-5997*

- 10, 1899* East gable, gray house
- " 1224* Bremen Long Island Beacon (Aid to Navigation) *Oct, 1941*
- " 1026* Brick chimney, center, one story, white house
- " 1833* Concrete chimney on two story house
- " 1216* East gable of two story gray house
- " 1969* South gable, two story, yellow house
- " 1040* West gable barn, green roof
- Tidal Bench Mark No. 1, 1866

37 JUNCTIONS:

Satisfactory junctions of the shore line and interior planimetry were made with the following adjoining Map Drawings:

Map Drawing, Survey No. T-5996, to the north.

Map Drawing, Survey No. T-5998, to the south.

Map Drawing, Survey No. T-5623, to the east.

Since the Western and Eastern Parts of Map Drawing, Survey No. T-5997, join along the meridian at Longitude $69^{\circ} 26' 00''$ which passes through all land area, junction of interior planimetry only need be considered. This junction is in excellent agreement.

The interior detail on T-5994 to the west has not been done so no check of junctions could be made.

T-5994 is a shoreline map. The interior is not detailed. #

38 RECOMMENDATIONS FOR FUTURE SURVEYS:

The planimetry shown on this Map Drawing is believed to be complete in all details of importance, insofar as the field inspection data is concerned, and no additional surveys are recommended.

It is believed that the positions of radial points, well-defined objects, and details of importance are within the limits of satisfactory accuracy.

40 BRIDGES:

Only one bridge has been shown on this Map Drawing, which is believed to be of no navigational importance. However, the type, and vertical and horizontal clearances of the structure above the Mean High-Water Line has been shown on this Map Drawing in accordance with the field inspection data.

41 GEOGRAPHIC NAMES:

Data obtained from an investigation of geographic names made by Lieut. Comdr. Henry O. Fortin in 1943, pertain in part to the area of the Eastern Part of this Map Drawing. The names shown are in accordance with this data, and have been alphabetically compiled in two lists (disputed and undisputed), which are submitted herein. L.A.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

"Waldoboro Quadrangle, Maine", (15') U. S. Geological Survey, edition of 1915, reprinted 1940, scale 1:62,500.

Since the scale difference between this Map Drawing and the above mentioned quadrangle was large, comparison of small planimetric details could not readily be made. However, planimetry common to both is in fair agreement with the following exceptions:

At approximately Latitude $44^{\circ} 02' 42''$ and Longitude $69^{\circ} 23' 06''$, an island as shown on the quadrangle is now joined by a strip of marshland to the Eastern Shore of Eastern Branch.

Between approximately Latitude $44^{\circ} 00' 36''$ and Longitude $69^{\circ} 24' 40''$, and Latitude $44^{\circ} 01' 00''$ and Longitude $69^{\circ} 24' 40''$, a portion of a highway appears on the quadrangle, but has not been shown on this Map Drawing because it was not visible on any of the photographs.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES: (cont'd)

At approximately Latitude $44^{\circ} 01' 45''$ and Longitude $69^{\circ} 22' 50''$, a portion of a highway running in a southwesterly direction appears on the quadrangle, but has not been shown on this Map Drawing, because it was not visible on any of the photographs.

In general, the limits of marsh and swamp areas appearing on the quadrangle are in disagreement with those as shown on this Map Drawing.

The symbolization of many of the highways appearing on the quadrangle is in disagreement with that as shown on this Map Drawing.

The name of a building appearing on the quadrangle as "Town House" has been shown on this Map Drawing as "Bremen Town Hall".

45. COMPARISON WITH NAUTICAL CHARTS:

Chart No. 1203, published in June 1936, reissued in April, 1938, corrected to March 23, 1943, scale 1:80,000.

Because of the large difference in scale between this Map Drawing and the above mentioned chart, small planimetric details could not be readily compared. The planimetry common to both, however, is in fair agreement, with the following exceptions:

At approximately Latitude $44^{\circ} 01' 42''$ and Longitude $69^{\circ} 22' 45''$, an island appearing on the chart is now joined to the mainland as shown on this Map Drawing.

At approximately Latitude $44^{\circ} 02' 06''$ and Longitude $69^{\circ} 22' 43''$, a portion of a highway running east and west, and crossing the northern end of Havener Cove, appears on the chart, but has not been shown on this Map Drawing, because it was not visible on any of the photographs.

The Mean High-Water Line as shown on this Map Drawing, at the northern end of Havener Cove, at approximately Latitude $44^{\circ} 02' 06''$ and Longitude $69^{\circ} 22' 45''$ is in disagreement with the Mean High-Water Line as shown on the chart.

Many rocks and reefs appearing on the chart have not been shown on this Map Drawing, because no field inspection data were furnished for them, and because their images were not visible on any of the photographs.

Chart No. 1204, published in March 1942, corrected to March 25, 1943, scale 1:80,000.

Because of the large difference in scale between this Map Drawing and the above mentioned chart, small planimetric details could not be readily compared. The planimetry common to both, however, is in fair agreement, except for the disagreements mentioned for chart no. 1203, and the following additional disagreements.

45 COMPARISON WITH NAUTICAL CHARTS: (cont'd)

At approximately Latitude $44^{\circ} 02' 05''$ and Longitude $69^{\circ} 24' 05''$, a road running in a southwesterly direction appearing on the chart, has not been shown on this Map Drawing, because no field inspection data were furnished, and because it was not visible on any of the photographs.

At approximately Latitude $44^{\circ} 02' 42''$ and Longitude $69^{\circ} 23' 06''$, an island as appearing on the chart is now joined by a strip of marshland to the eastern shore of Eastern Branch, as shown on this Map Drawing.

The location of the Mean High-Water Line of the two most northerly branches of Western Branch, as shown on this Map Drawing, at approximately Latitude $44^{\circ} 02' 30''$ and Longitude $69^{\circ} 24' 20''$ is in disagreement with such features as appear on the chart.

Chart No. 313, scale 1:40,000, published July, 1933, reissued August, 1938, corrected to April 12, 1943.

Because of the large difference in scale between this Map Drawing and the above mentioned chart, small planimetric details could not be readily compared. The planimetry common to both, however, is in fair agreement, except for the disagreements mentioned for Charts Nos. 1203 and 1204, and the following additional disagreements:

At approximately Latitude $44^{\circ} 00' 36''$ and Longitude $69^{\circ} 24' 40''$, a portion of a highway running northerly to approximately Latitude $44^{\circ} 01' 00''$ and Longitude $69^{\circ} 24' 40''$, appears on the chart, but has not been shown on this Map Drawing, because it was not visible on any of the photographs.

At approximately Latitude $44^{\circ} 01' 45''$ and Longitude $69^{\circ} 22' 50''$, a portion of a highway running in a southwesterly direction appears on the chart, but has not been shown on this Map Drawing because it was not visible on any of the photographs.

At approximately Latitude $44^{\circ} 03' 20''$ and Longitude $69^{\circ} 23' 06''$, and at approximately Latitude $44^{\circ} 03' 35''$ and Longitude $69^{\circ} 23' 06''$, portions of two highways running east and west, both of which cross the northern end of Eastern Branch, appear on the chart but have not been shown on this Map Drawing, because they were not visible on any of the photographs.

Respectfully submitted,
December 2, 1943

William O. Norris

William O. Norris
Photogrammetric Aid

Compilation & Descriptive
Report Reviewed by:

James E. Sunderland

James E. Sunderland
Sr. Photogrammetric Aid

Supervised by:

Walter E. Schmidt

Walter E. Schmidt
Asst. Photogrammetric Eng.

Approved & Forwarded
December 4, 1943

Fred. L. Peacock

Fred. L. Peacock
Chief, Air Photographic Party No. 2
Baltimore, Maryland

LIST OF GEOGRAPHIC NAMES

Undisputed

Bremen Long Island ·
Broad Cove ·
Broad Cove School ·
Butter Point ·
Dutch Neck ·
Eastern Branch ·
Flying Passage ·
Gross Neck ·
Gross Pond · ✓
Hardy Island ·
Havener Cove ·

Havener Point ·
Heath Point ·
Hockomock Channel ·
Johnson Island ·
Johnston Hill ·
*Jones Point ·
Medomak (village) ·
Medomak River ·
N. E. Point Ledges ·
Western Branch ·
Weston School (abandoned) —

*See
approved
list attached
to this Desc.
Report.*

*This geographic name, which has been shown on this Map Drawing, was recommended for deletion by Lieut. George L. Anderson in 1940.

LIST OF GEOGRAPHIC NAMES

Disputed

Back River Cove

Back Cove

Jones Neck

Bickmore Neck

Broad Cove (village)

Turners Corner

DESCRIPTIONS OF
HYDROGRAPHIC SIGNALS, ONE BENCH
MARK, AND NAMES AND DESCRIPTIONS OF RECOVERABLE
TOPOGRAPHIC STATIONS LOCATED BY RADIAL
PLOT FOR MAP DRAWING OF

SURVEY NO. T-5997

PROJECT CS 272

SUB-PROJECT CS 272-C

142 Temporary Hydrographic Signals
7 Recoverable Topographic Stations
1 Tidal Bench Mark
150 Total Stations

Listed by: William O. Norris
Copy Checked by: Mary R. Moore

NOTE: Numbers in parenthesis, such as (8') denote heights
above Mean High Water.

T-5997

- 1 -

SIGNAL NUMBERDESCRIPTION

2008	(S. S.) 5' offshore rock in front of entrance to small stream. (0')	✓
1040	(T. S.) "West gable barn with green roof." (110') (Recoverable Topographic Station.)	✓
1039	(S. S.) E. end of rock fill S. Side. (0')	✓
1038	(S. S.) Mast of abandoned fishing boat. (6')	✓
1944	(S. S.) 5' bush on ledge at edge of juniper bushes. (8')	✓
1945	(S. S.) 1' rock on ledge. S of line of grass. A 3' rock is N. E. of it. (0')	✓
1947	(S. S.) S. E. Tip of grass on ledge point. (-1')	✓
1950	(S. S.) E. end of stone fill at solid ground line at end of cove. (3')	✓
1949	(S. S.) 25' birch W. of pole fence. (3')	✓
1948	(S. S.) N. tip of ledge at H. W. L. - N. ledge of two on S. side of bight. (0')	✓
1946	(S. S.) N. E. tip of brown ledge on grass point. N. E. of large spruce.	✓
1951	(S. S.) W. tip of ledge at H. W. L. Loose Rocks are to N. (0')	✓
1999	(S. S.) 3' rock N. E. of point. (1')	✓
1998	(S. S.) 15' bushy pine. Most westerly of a group of three which is W. of another group of three. (4')	✓

T-5997

SIGNAL NUMBER

DESCRIPTION

2000	(S. S.) Ely tip of brush N. of grass cove. (2')	✓
1997	(S. S.) 25' spruce on top of high ledge point. (4')	✓
1995	(S. S.) Top center of N. W. of point of grass (.5')	✓
1994	(S. S.) N. E. tip of ledge on point at H. W. L. (0')	✓
1938	(S. S.) Top center of brown ledge with tan-colored top. Grass N of it. (0')	✓
1939	(S. S.) End of ledge sticking out toward the S. at end of path N. of bight. (0')	✓
1940	(S. S.) Top of two 4' pieces of ledge, (one on top of the other) in grass. (0')	✓
1941	(S. S.) N. end of white long flat rock. (2')	✓
1942	(S. S.) Tip of grass on point N. of three brown rocks. (0')	✓
1943	(S. S.) Ridge of sloping ledge at H. W. L. Loose rocks to the N. E. (0')	✓
1937	(S. S.) Tip H. W. L. of white ledge with crack running N-S. (0')	✓
1900	(S. S.) Pointed rock on S. E. side of grass point. (3')	✓
1899	(T. S.) "East gable of gray house." (Angle shaped) (50') Recoverable Topographical Station. 534	✓
1901	(S. S.) 4' rock on point. W of 3' rock on brown ledge. (1')	✓

SIGNAL NUMBER

DESCRIPTION

1902	(S. S.) Tip of grass on bank in front of two pines. (1')	✓
2001	High part of whaleback offshore ledge West of Id. (1')	✓
2002	Largest of two small rocks on brown ledge on point. (0')	✓
1996	(Sl S.) W. tip of junipers on point. S. of small bight. (1')	✓
1898	(S. S.) Tip of vegetation on N. W. tip of white ledge. (2')	✓
1897	(S. S.) Top of brown ledge with grass to the E. on point. (0')	✓
1896	(S. S.) S. W. tip of broken ledge at H.W.L. (0')	✓
1895	(S. S.) Top center of brown offshore ledge. N. of 8' gray boulder. (2')	✓
1894	(S. S.) Top center of offshore ledge. (1')	✓
1986	(S.S.) S. W. tip of brush on neck of land W. of entrance to cove. (3')	✓
1987	(S.S.) White 3' rock between two others at very edge of brush. W. of bare bank. (3')	✓
1989	(S.S.) 40' Spruce tree S. E. of 45' spruce. They are N. of a large bushy D. tree. (4')	✓
1991	(S. S.) 30' D. tree S. E. of a blue pine on E. side of point. (2')	✓
1990	(S.S.) Top of grass knoll which is an Id. at H. W. (1')	✓

T-5997

- 4 -

SIGNAL NUMBERDESCRIPTION

1969	(T. S.) "S. gable of 2 story yellow house." (the wing that has a cupola) (50') <u>Recoverable</u> <u>topographic Station.</u> <i>from 524</i> ✓
1041	(T.S.) S. gable gray shingled barn with windows in end at same height as eaves. (50') ✓
1042	(S.S.) N. end of N-S, stone fence along edge of marsh. (0') ✓
1917	(T.S.) S. E. gable of long hotel. The gable is on S. end of Hotel. (40') ✓
1992	(S. S.) 50' overhanging birch, S.W. of tall pine. (2') ✓
1993	(S.S.) 45' spruce in bight, near E end of pole fence and S. of tiny birch. (1') ✓
1983	(S. S.) Tip of grass on N. end of Id. (0') ✓
1893	(S.S.) Highest part of ledge. S. of Island. It has a small grass patch. (1') ✓
1892	(S.S.) Top center of rounding offshore ledge. A rock is S. of it. (3') ✓
1891	(S.S.) S.E'ly of two scrawly pines on S.W. side of bounding point. (4') ✓
1903	(S.S.) 3' rock N. of grass patch on point. (1') ✓
1904	(S.S.) 5' boulder S. W. of small birch. (3') ✓
1905	(S.S.) Highest part of ledge (center). Point is S. of grass patch. (2') ✓
1906	(S.S.) N. Easternmost high part of white ledge. S. E. of grass patch on point. (0') ✓

<u>SIGNAL NUMBER</u>	<u>DESCRIPTION</u>	
1909	(S.S.) Tip of ledge at H.W.L. Forked birch to the W. (0')	✓
1907	(S.S.) 3' rock on ledge W. of entrance to stream. (2')	✓
1908	(S.S.) Top center of brown offshore ledge. (0')	✓
1910	(S.S.) W. gable of S'ly white cottage on point. (25')	✓
1911	(S.S.) S. tip of brown ledge. N. E. of 8' stump on point. (0')	✓
1912	(S.S.) Top of brown ledge. S. E. of white ledge on point. (0')	✓
1913	(S.S.) Top of N. end of reef. Orange streaks are on top. (-1')	✓
1886	(S.S.) Top center of brown ledge off point 30 m. N. of patch of brush. (0')	✓
1887	(S.S.) Tip of ledge at H.W.L. D. Tree on point. (0')	✓
1889	(S.S.) Rocky point at H.W.L. Large D. trees to the West. (0')	✓
1888	(S.S.) Top center of 8' boulder on point. S. of three smaller boulders. (3')	✓
1890	(S. S.) Tip of grass on ledge point. (3')	✓
1290	(S.S.) S. tip of long offshore ledge at H.W. Barnacles on top. (0')	✓
1291	(S. S.) S. tip of long gray rock. (1')	✓

SIGNAL NUMBERDESCRIPTION

1292	(S.S.) Top of offshore boulder. (1')	✓
1855	(T.S.) "Concrete chimney of 2 story house." S. of group of buildings. (100') Recoverable Topographic Station. <i>fm 5-2-4</i>	✓
1882	(S.S.) Top center of brown 3' rock with tan top. (0')	
1881	(S.S.) White 2' pointed rock which is at H.W. L. (2')	
1880	(S.S.) Top part of N. end of reef 70 m. from shore. (-4')	✓
1879	(T.S.) S. gable of white two story house with 6 windows in S. side. (50')	✓
1878	(S.S.) S. W. corner of S'ly pier.	✓
1877	(S.S.) N. W. corner of pier. (3')	✓
1876	(T.S.) W. gable of boat house which slants toward water. (15')	✓
1875	(S.S.) Brown loose 4' rock. (-2')	✓
1883	(S.S.) Tip of grass in back of ledge. (2')	✓
1884	(S.S.) Tip of vegetation on S. E. side of point. S. of crevice. (2')	
1885	(S.S.) Tip of grass patch S. W. of two birches protruding ledge W. of point. (2')	✓
1225	(S.S.) S. Tip of high water rock at H.W.L. (0')	✓
1224	(T.S.) "Bremen Long Island Beacon" - cask on black, iron spindle. (Aid to Navigation) (20') Recoverable Topographic Station. <i>fm 5-2-4</i>	✓

T-5997

- 7 -

SIGNAL NUMBERDESCRIPTION

1226	(S. S.) E. tip of large boulder. (6')
1227	(S. S.) Top of boulder on offshore ledge. (0')
1228	(S. S.) Tip of ledge on N. side of small bight. (3')
1229	(S. S.) Top of high water rock close to shore on E. side of head of cove. (1')
1230	(S. S.) Tip of prominent point at H.W.L. (0')
1231	(S. S.) Top of high water rock near extreme head of cove. Rock is E. of a smaller rock. (2')
1232	(S. S.) Tip of small point at H. W. L. (0')
1233	(S. S.) Top of tall white boulder on point. (3')
1234	(S. S.) Small tuft of grass on top of high water rock. (5')
1235	(S. S.) Top of rock on grassy point. (1')
1236	(S. S.) Top of rock outcrop at H.W.L. (0')
1237	(S. S.) Top of first large rock E. of ledge. (1')
1020	(E. S.) 50' White flagpole with weather vane on top. (20')
1019	(S. S.) Center of grass patch on top of rock ledge on point. (10')
1018	(S. S.) Boulder sticking out of bank. 35' spruce 1 m. S. of boulder and 15' very crooked dec. tree 5 m. S. of boulder. (0')

T-5997

SIGNAL NUMBER

DESCRIPTION

1017	(T.S.) S. W. gable of white boat house (15')	✓
1215	(S. S.) S. tip of island at High Water. (0')	✓
1212	(S.S.) Tip of grass on N. E. end of island. (5')	✓
1214	(S. S.) Top of large highwater rock. (6')	✓
1211	(S. S.) Large loose boulder at H.W.L. (0')	✓
1217	(S. S.) Top of high water rock at N. side of break across rock. (4')	✓
1216	(T.S.) E. gable of two-story gray house. "Recoverable Topographic Station (50')"	✓ fm 5-2 4
1218	(S. S.) Tip of long low ledge at H.W. (0')	✓
1219	(S.S.) 6' blue spruce growing on side of ledge (base) (3')	✓
1220	(Tip of rock at H.W.L. (1')	✓
1221	(S.S.) N. tip of rock forming point at H.W. (0')	✓
1222	(S. S.) N. tip of reef at S. side of small bight. (-1')	✓
1223	(S. S.) Tip of grass on N. E. side of point. (1')	✓
1022	(S. S.) 40' Spruce tree closest water. (2')	✓
1021	(S. S.) Bush on tip of long prominent point. (2') (Hydro. station No. 1933 deleted in place of this station. - Same location.)	✓

SIGNAL NUMBERDESCRIPTION

1991-A	Gray boulder between tree line and bare ledge on S. W. side of small cove at its entrance. ✓
1988-A	Large white boulder on E. side of small island at mouth of Havener Cove. ✓
1918	(S.S.) Top N. End of white ledge Island. (2') ✓
1919	(S. S.) Top center of whale back ledge 20 m. from tree line on point. (-1') ✓
1920	(S. S.) Lowest 5' boulder of 4. E of entrance to stream. (-1') ✓
1921	(S. S.) Top white 6' boulder on N. end of rounding point. (4') ✓
1922	(S. S.) Largest gray rock on S. end of Island. It has white spots. (3') ✓
1923	(T.S.) W. gable of white one story house with barn to N. E. (40') (S. S.) ✓
1924	(S.S.) N. E. corner of W. abutment to bridge. (5') ✓
1925	(S.S.) Top of rounding brown ledge in cove. N. E. of bridge. (0') ✓
1926	(S. S.) Top center of brown ledge 70 M. from shore and North of Island. (-1') ✓
1927	(S. S.) Top of 6' brown offshore boulder with white top 60 m. from tree line. (0') ✓
1928	(T. S.) N. E. gable of gray shingled barn S. of house. (100') ✓
1929	(S. S.) N. tip of cut in bank. Brush is around bank. (8') ✓

T-5997

<u>SIGNAL NUMBER</u>	<u>DESCRIPTION</u>
1930	(S.S.) lone 12' pine tree at S. end of field. (5') ✓
1931	(S. S.) 2' pointed rock on M.H.W. Line. It is most W'ly large rock on point. (0') ✓
1936	(S. S.) Top whaleback ledge with tuft of grass. 60 m. from shore. (0') ✓
1935	(S. S.) 50' Spruce on N. W. end of bare bank. (8') ✓
1932	(S. S.) Top center of brown rounding ledge. 30 m. from grass line. (0') ✓
1029	(T.S.) N. gable of small gray shingled house on bank. (30') (NOTED AS SMALL BARN ON PRICKING CARD). ✓
1037	(S. S.) 7' lone spruce (blighted) just S. of small marsh that cuts into bank. (2') ✓
1036	(S. S.) Center of grass patch at S. end of low ledge and on N. side of group of boulders. Grass patch is between boulders and ledge. (0') ✓
1035	(S. S.) 7' lone spruce at S. end of patch of stumps with lone snag in middle. (2') ✓
1034	(S. S.) 5' lone spruce at edge of small juniper patch. (3') ✓
1033	(S. S.) Lone 4' spruce with small clearing behind it. (0.5') ✓
1026	(T.S.) " Brick chimney in center of white house with green roof." One story (60') (Recoverable Topographic Station) ✓ fm 5-24
1030	(S. S.) Tip of brush at pole fence on N. side of fence. (0') ✓

T-5997

SIGNAL NUMBER

DESCRIPTION

1025	(S.S.) 15' white pine. Smaller white pine on S.E. side. (2')	✓
1024	(S. S.) Center of small patch of juniper just S. of a group of 4' to 5' spruces. (1')	✓
1023	(S. S.) N. W. corner of large boulder. Patch of green moss near top on N. W. side. (4')	✓
1027	(S. S.) Flat boulder close to bank which is bare, directly behind boulder. Three boulders in N-S line just offshore from flat boulder. (0')	✓
1028	(S. S.) S. end of boulder, 2 m. long with small boulders around it. Boulder is at H.W. L. (0')	✓
1934	(S.S.) S. tip of brush on top of bank. (18')	✓
1972	(T.S.) Chimney on N. E. Section of house. (40')	✓

T. B. M. #1 - Medomak River - 1866

for 524

The B. M. was recovered as described, except for the following discrepancies. The wharves are gone. Only the foundation of E. K. Howard's store remains. B. M. is on a low ledge 9.45 M. N. of a ring bolt in a prominent white granite ledge.

GEOGRAPHIC NAMES

Survey No.

T-5997

1	Name on Survey	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
		A	B	C	D	E	F	G	H	K
	<u>Western part:</u>	✓								1
	<u>Maine</u>	✓								2
	<u>U.S. No. 1</u>	✓								3
	<u>Back Meadow Road</u>	✓								4
	<u>Pemaquid Pond</u>	✓								5
	<u>McCurdy Pond</u>	✓								6
	<u>Biscay Pond</u>	✓								7
	<u>Muddy Pond</u>	✓								8
	<u>Little Pond</u>	✓								9
	<u>Back Meadow Brook</u>	✓								10
	<u>Knowlton Corner</u>	✓								11
	<u>Grant School (Abd)</u>									12
	<u>Back Meadow Road</u>									13
										14
	<u>Eastern part:</u>									15
	<u>State No. 32</u>	✓								16
	<u>Medomak</u>	✓								17
	<u>Hookomock Channel</u>	✓								18
	<u>Heath Point</u>	✓								19
	<u>Broad Cove</u>	✓								20
	<u>Broad Cove</u>	✓								21
	Broad Cove									
	<u>Broad Cove School</u>	✓								22
	<u>Weston School (Abd)</u>	✓								23
	<u>Johnston Hill</u>	✓								24
	<u>Western Branch</u>	✓								25
	<u>Gross Neck</u>	✓								26
	<u>Gross Pond</u>	✓								27

GEOGRAPHIC NAMES

Survey No. T-5997

2	Name on Survey	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
		A	B	C	D	E	F	G	H	K
	<u>Eastern Branch</u>	✓		See nautical chart 313 and						1
	<u>Dutch Neck</u>	✓		U.S.G.S "Waldoboro" quadrangle						2
	<u>Havener Cove</u>	✓								3
	<u>Havener Point</u>	✓		(Section sheets 439 693-694,						4
	<u>Butter Point</u>	✓					440 693-694)			5
	<u>Johnson Island</u>	✓								6
	<u>Hardy Island</u>	✓		(USGB decision)						7
	<u>Medmak River</u>	✓								8
	<u>Bickmore Neck</u>	✓		(instead of Jones Neck) (delete Jones Point)						9
	<u>Back Cove</u>	✓		(not Back River Cove)						10
	<u>Flying Passage</u>	✓								11
	<u>Bremen Long Island</u>	✓								12
	<u>Northeast Point Ledges</u>	✓								13
										14
										15
										16
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Names underlined in red approved

by L. Heck on 10/11/45

DIVISION OF PHOTOGRAMMETRY
Review Report of
Planimetric Map Manuscript T-5997
January 1945

28. DETAILING

Shoreline was corrected in many places, occasionally as much as 30 meters. A letter from Comd'r Raynor (2/7/44, attached to Descriptive Report T-5622) indicates that the shoreline was improperly drawn by the field inspector on photographs taken at high tide. Stage of tide of the photographs also caused ledges and reefs to ~~be~~^{seem} less extended than they actually are. Corrections were made in red. (see also 43 below)

42. COMPARISON WITH PREVIOUS TOPOGRAPHIC SURVEYS

T-1076 1/10000 1867-8

Survey T-5997 supersedes the older survey except for contours and off-shore detail.

43. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

H-6964 1/10000 1944

Some rocks, reefs, and ledges from the unreviewed hydrographic survey have been transferred to the map manuscript in green acid ink. Ledges and other off-shore detail already on the map manuscript are not in disagreement with the hydrographic survey soundings.

The shoreline of T-5997 supersedes the shoreline of the hydrographic survey *which was taken from T-5997 prior to review.*

45. COMPARISON WITH NAUTICAL CHARTS

313 1/40000 April, 1944

Except for off-shore detail ^{and contours}, map manuscript T-5997 supersedes the chart.

46. APPLICATION TO CHARTS.

Survey T-5997 has not been applied to chart 313 as of the date of review.

Reviewed by

Under the direction of

Jack Rihn
Jack Rihn, 29 Jan., 1945

D.H. Benson
D.H. Benson
K.H.M.

APPROVED BY:

B.G. Jones 3/49
Technical Assistant to the
Chief, Div. of Photogrammetry

[Signature]
Chief, Nautical Charts Branch,
Division of Charts

Note: Details in red on the file copy of T-5997 were inadvertently omitted in drafting and have been added from the manuscript prior to registering the map. H.A.

K.T. Adams
Chief, Div. of Photogrammetry

W.M. Scaife
Chief, Div. Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T 5997

Record of Application to Charts

[illegible]

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.