5998

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-5998

LOCALITY

State Maine

General locality Coast Of Maine

Locality Muscongus Bay - Muscongus Sound - Greenland Cove - Heckemeck Channel

194 4

CHIEF OF PARTY

F.L.Peacock

LIBRARY & ARCHIVES

DATE April 25 - 1949

B-1870-1 (1)

5998

Form T-1

DATA RECORD

T- 5998

Quadrangle (II):
Monhegan, Maine (15') U.S.G.S.

Project No. (II): CS-272
Sub-Project 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 and April 1, 1942

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

Completed survey received in office: —

Reported to Nautical Chart Section:

Reviewed: 12/7/44 **Applied to chart No.** Reconstruction 313 **Date:** 8/6/45

Redrafting Completed: 4 May 1945

Registered: March 1949 ~~16 May 1944~~ **Published:** Dec. 1945

Compilation Scale: 1:9,700 **Published Scale:** 1:10000

Scale Factor (III): 1.031

Geographic Datum (III): N. A. 1927 **Datum Plane (III):** Mean ~~Sea~~ H ~~Level~~ W

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

Lat.: 43° 58' ~~42.40"~~ 42.398" (1308.6m) ~~1308.5m~~ **Long.:** 69° 26' ~~45.05"~~ 45.008" (1003.1m) ~~1004.2m~~ Adjusted ~~Adjusted~~ ~~Unadjusted~~ ~~Field~~

State Plane Coordinates (VI): Maine, West Zone ~~(Adjusted)~~

X = 689,749.76 Ft. Y = 418,206.22 Ft.

Military Grid Zone (VI) Not shown

PHOTOGRAPHS (III)

(MOUNTED)

Number	Date	Time	Scale	Stage of Tide
7059	10/20/41	9:48 A.M.	1:10,000	11.1' above M. L. W.
7060	10/20/41	9:49 "	1:10,000	11.1' above M. L. W.
7061	10/20/41	9:50 "	1:10,000	11.05' above M. L. W.
7098	10/20/41	10:46 "	1:10,000	10.75' above M. L. W.
7099	10/20/41	10:47 "	1:10,000	10.7' above M. L. W.
7100	10/20/41	10:49 "	1:10,000	10.65' above M. L. W.
7116	10/20/41	11:10 "	1:10,000	10.2' above M. L. W.
7117	10/20/41	11:11 "	1:10,000	10.15' above M. L. W.
7118	10/20/41	11:12 "	1:10,000	10.1' above M. L. W.
7119 & 7131	10/20/41	11:13 "	1:10,000	10.05' above M. L. W.

Tide from (III): Tide tables, Atlantic Ocean, Reference Station, Portland, corrected to sub-station Muscongus Harbor, Muscongus Bay.

Mean Range: 9.5' **Spring Range:** 10.9'

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

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

Field Edit by: **date:**

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

10/20/41

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

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

Control plotted by: Mary Katherine Olthouse **date:** 7/26/43

Control checked by: Donald M. Brant **date:** 7/27/43

Radial Plot by: Walter E. Schmidt **date:** August, 1943

Detailed by: Margaret A. Velich (Shoreline & interior -- Rough Draft) **date:** August, 1943 to January, 1944

Reviewed in compilation office by: Michael G. Misulia **date:** January, 1944

Elevations on Field Edit Sheet checked by: **date:**

STATISTICS (III)

Land Area (Sq. Statute Miles): $18\frac{1}{2}$

Shoreline (More than 200 meters to opposite shore): 25 Statute Miles

Shoreline (Less than 200 meters to opposite shore): $2\frac{1}{2}$ Statute Miles
Interior Ponds (Statute Miles) $8\frac{1}{4}$

Number of Recoverable Topographic Stations established: 13

Number of Temporary Hydrographic Stations located by radial plot: 217

Leveling (to control contours) - miles:

Roman numberals 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 within and just outside the detail limits of Map Drawing, Survey No. T-5998, consists of eleven (11) U. S. Coast & Geodetic Survey Triangulation Stations. The positions of these stations were either plotted directly on the Map Drawing from geographic coordinates, or transferred from adjoining map drawings upon which they had been previously plotted. The transfer was accomplished by the method of matching common projection lines and pricking through. The 3mm. black acid ink equilateral triangles indicate the plotted positions of the stations, and the red acid ink triangles, the transferred positions. ← none in area of sheet.

See special Report "Classification of Horizontal Control" on file in Review Section

The following five (5) U. S. Coast & Geodetic Survey Triangulation Stations lie within the detail limits of the Map Drawing:

HOG ISLAND, 1859
GREENLAND COVE, WHITE HOUSE, SOUTH CHIMNEY, 1859, r.1943 ← only chy site rec in '43; station removed.
MUSCONGUS, 1859, 1934, r.1943
1. ROUND POND, BROWN CHURCH SPIRE, 1859, r.1943* - Removed from map manuscript
2. ROUND POND, WHITE CHURCH SPIRE, 1859, r.1943* (Landmark)

The following six (6) U. S. Coast & Geodetic Survey Triangulation Stations lie just outside the detail limits of the Map Drawing.

HARRIS, 1866
HEATH, 1866
HUNGRY, 1859, 1934, r.1943
LOWER HUNGRY, 1866
RED HOUSE CHIMNEY, 1866, r.1943
WHITE HOUSE WITH RED ROOF, CHIMNEY, 1859, r.1943

* See review

1. G.P. page 299 listed as "probably lost". 1943
2. G.P. page 299 " " "l. 1934; l. 1943"

27 RADIAL PLOT:

The radial plot for the area of Survey No. T-5998 was laid by the radial method without the use of celluloid templets.

The identification of the control was adequate, except for the triangulation station "LONG ISLAND, 1866", which could not be held to in the plot. The position of this station is just outside the eastern detail limit of Map Drawing, Survey No. T-5998. The photographic position of the station which was pricked on the field photographs by the Field Inspection Party was pricked on all the office photographs upon which it appeared, without encountering any difficulties. The point was radially plotted and its position so determined is approximately 7.5mm. southwest of the position of the station as plotted from furnished geographic coordinates.

incorrectly identified in 1943, see Special Report on Main Radial Plot for T-5620, T-5621, and T-5622 on file in Review Section.

The number of control stations and photographs was sufficient to control and lay the plot.

Satisfactory junctions were made with the positions of secondary points and photograph centers previously determined by radial plots laid for the areas of adjoining surveys.

No exceptional difficulties were encountered while the plot was being laid, and the positions of secondary points and photograph centers determined by radial intersection and resection, respectively, are believed to be within the limits of satisfactory accuracy.

Paragraph No. 27
Respectfully Submitted by:

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

10/12/43

28 DETAILING:

The area within the detail limits of the Map Drawing, i.e. from Latitude 43° 56' 15" to 44° 00' 00", and, from Longitude 69° 22' ~~15"~~ 30" to Longitude 69° 30' 00", has been detailed in accordance with the field inspection data, and instructions set forth in the Director's letters dated January 12 and April 1, 1942, pertaining to Project No. CS-272, unless otherwise noted in this report. The area to be discussed is a part of Sub-Project No. CS-272-C.

The principal bodies of water shown, comprise part of Muscongus Bay, Muscongus Sound, Hockomock Channel, Greenland Cove, Biscay Pond, and all of Webber Pond. The shore line, in general, consists of rocky bluffs, ranging in height from 6' to 20'. There are also a few marsh and grass-in-water areas along the shore line.

The principal land areas shown comprise part of the mainland of Maine, Muscongus and Bremen Long Islands, and all of Hog, Cow, and Oar Islands.

All detail has been shown in accordance with the standard symbols recommended by the Washington Office and notes fully describing any deviation therefrom have been shown on either the Map Drawing or accompanying overlay sheet.

Due to indistinct photography, density of the extensive wooded areas, inadequate side lap of adjacent flights, and deep shadows, it was very difficult to select a sufficient number of tertiary points and to detail planimetric features west of Longitude 69° 28' 00". The accuracy of the detail, governed by these points, is therefore considered relatively weak.

The positions of the relatively strong and weak tertiary points, determined by radial intersection, have been shown on the glossy side of the Map Drawing with either small purple or green ink circles respectively.

In general, the scales of the photographs and the Map Drawing were in fair agreement.

It is believed that all buildings, except small garages, sheds, etc., have been shown on the Map Drawing, unless they were not visible on the photographs.

All roads shown with centerline only are to be considered 6 meters in width.

See also:
Report on Field Inspection of air Photographs from long 69°30' northeastward to lat. 44° 15' (1943).
Notes for Hydrographic Parties long 69°30' NE ward to lat. 44°15 (1943)
In Review Section Files

28. DETAILING:

The area within the detail limits of the map drawing, i.e. from latitude 49° 59' 15" to 49° 00' 00", and from longitude 69° 22' 15" to longitude 69° 20' 00", has been detailed in accordance with the field inspection data, and directions set forth in the Director's letter dated January 20, 1943, Ref. 1.1.2, pertaining to project No. 69-272, unless otherwise noted in this report. The area to be discussed is a part of sub-project No. 69-272.

The principal bodies of water entirely within the area of this report are part of Bracketts Bay, Mosquito Pond, Jackson Pond, Cranberry Pond, Big Pond, Little Pond, and Pond Cove.

In red ink on map manuscript

Shorline corrected to agree with changes as noted by 1944 hydrographic party on field photos No. 7117 and No. 7119 and area of change indicated by "#2" and #2, respectively, in yellow ink on field photo.

E.H.M. 7/20/44

Also field photo No. 7098, area of changes indicated by #7 and #8 in yellow ink.

When review is made check this sheet very carefully against old topography map.

This has been done; see review.

DJR 12/7/44

The positions of the trees appearing on the photographs were in fair agreement.

It is believed that all buildings, except small storage sheds, etc., have been shown on the map drawing, unless they were not visible on the photographs.

All roads shown with centerline only are to be considered 6 meters in width.

28 DETAILING: (cont'd)

All roads, buildings, fences, etc., not visible on the photographs, but which were indicated on the field inspection photographs, were detailed in accordance with the field inspection data and noted as such on the Map Drawing. The accuracy of such detail is to be considered relatively weak.

A list of abbreviations has been shown on the Map Drawing accompanied by explanatory notes to prevent misinterpretation of the abbreviations used.

30 MEAN HIGH-WATER LINE:

The Mean High-Water Line has been shown with a full, heavy-weight, black acid ink line, the center of which is considered 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 is not to be considered the Mean High-Water Line, but only an indication of the outer limits of low wet land.

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. These limits are shown on the Map Drawing with a dashed, light-weight, black acid ink line accompanied by the word "Shoal", which has been lettered on the overlay sheet. Such approximate limits are for the use of hydrographic parties only and should not be accepted as the low-water line.

32 DETAILS OFFSHORE FROM THE HIGH-WATER LINE: — — — — — Shoal line
- - - - - - - - Rock ledge
..... Low Water line

The offshore detail, characterized by rocks awash, rock ledge, reefs, and boulders, has been shown in accordance with the field inspection data. The extent to which rocks bare at Mean High-Water or Mean Low-Water, and the nature of the offshore features have been noted on the overlay sheet.

A wreck located between Keene Neck and Oar Island is now being used as a lobster pound.

Off shore detail transferred from recent hydro surveys (H-6853 and H-6854) shown in green ink on manuscript.

33 WHARVES AND SHORE LINE STRUCTURES:

All wharves, piers, ruins, piling, fences, etc., have been detailed on the Map Drawing in accordance with the field inspection data and also designated on the overlay sheet by descriptive notes.

34 LANDMARKS AND AIDS TO NAVIGATION:

One Landmark, "WHITE SPIRE, CHURCH (ROUND POND)", has been recommended for Charting by the Field Inspection Party. This Landmark is also the U. S. Coast & Geodetic Survey Triangulation Station "ROUND POND, WHITE CHURCH SPIRE, 1859, r.1943".

Form No. 567 is being submitted. Chart Letter #95, Feb. 2, 1944

35 HYDROGRAPHIC CONTROL:

The positions of the two-hundred and seventeen (217) temporary hydrographic stations and of the thirteen (13) recoverable topographic stations falling within the detail limits of the Map Drawing, have been located by radial intersection. The relatively strong and weak positions have been shown on the glossy side of the Map Drawing with red or green ink circles respectively.

The positions of all of these stations have been shown with 2½mm. black acid ink circles on the dull side of the Map Drawing, each station having been numbered on the overlay sheet, with the exception of the thirteen (13) recoverable topographic stations which have been named, numbered (where given by Field Inspection Party), and described. on the overlay.

A list giving the numbers and descriptions for all of the temporary hydrographic stations and the names, numbers (where given by the Field Inspection Party), and descriptions of all the recoverable topographic stations is submitted herein. An original and carbon copy of this list were previously submitted to the Washington Office on September 22, 1943. The original list is in the appendix following the descriptive report.

The names, descriptions, scaled positions, and sketches for each of the following thirteen (13) recoverable topographic stations have been submitted on Form No. 524: Filed under sheet T-5998.

Number	Name
None	FEAR
1172	COOK
1207	HOOF
1326	DUCK
87	SLIP
1245	North Gable Cottage Trimmed in White
1014	West Gable Two-story white House
1149	Northeast Gable Two-story Gray House
1134	Chimney on Gray Shingled House

35 HYDROGRAPHIC CONTROL: (cont'd)

Number	Name
1169	North Gable Two-story House, Green Roof
1004	White 30' Flagpole
1240	West Gable of Yellow House
1269	South Gable Shingled House

37 GEOGRAPHIC NAMES:

The geographic names for the area of the Map Drawing, were taken from an investigation of geographic names made in 1943 by Lieut. Comdr. Henry O. Fortin. Alphabetical lists of disputed and undisputed names, pertinent to the Map Drawing, are submitted herein.

38 JUNCTIONS:

Junctions with Map Drawings, Surveys Nos. T-5997 to the north, T-5622 to the east, and T-5999 to the south are in agreement.

Junction with Map Drawing, Survey No. T-5993 to the west, was in disagreement. Correction of detail pertaining to Map Drawing, Survey No. T-5993, was made on Map Drawing, Survey No. T-5998 and outlined in red acid ink. This has been corrected on T-5993.

Interior detail on T-5993 not completed.

39 BRIDGES:

A wooden bridge located approximately at the junction of Pemaquid River and Biscay Pond has been detailed in accordance with the field inspection data. It was assumed by this Compilation Office that the vertical clearance, as noted by the Field Inspection Party, was with respect to Mean High-Water. There is no tide here, does not connect directly with the sea.

Not over navigable waters

40 RECOMMENDATIONS FOR FUTURE SURVEYS:

The rough draft of Map Drawing, Survey No. T-5998 is believed to be complete in all details of importance and no other surveys are deemed necessary. Offshore details should be verified by hydrographic survey. OK

H-6924 (1944)

The error in the relative positions of tertiary points and details of importance shown on the Map Drawing is believed to be within the limits of allowable accuracy except for the detail in the area discussed in Paragraph 28 of this report, in which case the error may be as much as 1.5mm.

H-6953 6954 T-5998 1943

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

Monhegan, Maine (15') U.S.G.S., edited May 1906, reprinted ~~1921,~~ 1944 scale 1:62,500.

Due to the large difference in scale between the Map Drawing and the Monhegan Quadrangle, it was impracticable to compare small planimetric features.

The following differences, however, were apparent:

Numerous roads and trails detailed on the Map Drawing did not appear on the Quadrangle.

A wreck, now used as a lobster pound, located on the western shore of Hockomock Channel, between Keene Neck and Oar Island, as detailed on the Map Drawing, does not appear on the Quadrangle.

Numerous piers, wharves, and houses shown on the Map Drawing, do not appear on the Quadrangle.

45 COMPARISON WITH NAUTICAL CHARTS:

Chart No. 313, published at Washington, D. C., July 1933, reissued August 1938, corrected to April 12, 1942, scale 1:40,000.

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

Chart No. 1204, published at Washington, D. C., March 1942, corrected to April 12, 1942, scale 1:80,000.

Because of large scale differences between the Map Drawing and the above mentioned charts, small planimetric detail could not be readily compared. The following differences, however, were apparent.

Many roads, houses, piers, and wharves, detailed on the Map Drawing, do not appear on any of the Charts.

A wreck, now used as a lobster pound, detailed on the Map Drawing, located between Keene Neck and Oar Island, does not appear on any of the Charts.

Biscay, Boyd, Little, and Webber Ponds and Pemaquid River do not appear on any of the Charts. They have been detailed on the Map Drawing.

Respectfully submitted,
February 1, 1944

Margaret A. Velich

Margaret A. Velich
Engineering Draftsman

Compilation & Descriptive
Report Reviewed by:

Michael G. Misulia

Michael G. Misulia
Jr. Topographic Engineer

Supervised by:

Walter E. Schmidt

Walter E. Schmidt
Asst. Photogrammetric Eng.

Approved & Forwarded
February 4, 1944

Fred. L. Peacock

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

LIST OF GEOGRAPHIC NAMES

Undisputed

Biscay Pond
Boyd Pond
Bremen (~~Village~~)
Bremen Long Island
~~Bull Point Ledge~~ omit
Clam Island
Coombs Ledge
Cow Island
*Cow Island Sunken Ledge
Crotch Island
Crow Island
Flying Passage
Greenland Cove
*~~Half-Tide Ledge~~ = Halftide Ledge
Hog Island
Hog Island Ledge
Hockomock Channel
Hockomock Point

Hungry Island
Inner Ledge — can't find it - gpw
Indian Island
Keene Neck
Long Island Ledges — Little Pond (p.10)
Middle Ledges
Muscongus (~~Village~~)
Muscongus Bay
Muscongus Harbor
Muscongus Sound
Oar Island
Palmer Island
Pemaquid River — (slanting type) 2 places
*Ram Ledges
Ram Island
Round Pond (~~Village~~) — Round Pond (cove)
Webber Pond

Cow I Ledges (just w. of Cow I.)

*Not shown on the Map Drawing because the features pertaining to them could not be seen on any of the photographs.

"Cow Island Sunken Ledge" is below M.L.W. and is not shown. However "Half Tide Ledge" and "Ram Ledges" are shown as rocks awash on the hydro survey and have been transferred to the manuscript.

Names underlined in red approved by L. Heck on 7/5/45

LIST OF GEOGRAPHIC NAMES

Disputed

Calf Island	Jims Island
Cow Island Dry Ledges	Jims Island Ledge
Hog Island Bar	Muscongus Bar
Keens Narrows	Keene Narrows Lower Narrows
Muscongus Island	Louds Island

Medomak (Village) (Position disputed, Field Inspection Party notes that this geographic name should appear further north than that as shown on Chart No. 313 and on the Monhegan Quadrangle)

Names tentatively approved
by L. Heck on 7/5/45

DESCRIPTIONS OF

TEMPORARY HYDROGRAPHIC SIGNALS,

AND NAMES AND DESCRIPTIONS OF RECOVERABLE TOPOGRAPHIC

STATIONS LOCATED BY RADIAL PLOT FOR MAP DRAWING

SURVEY NO. T-5998

PROJECT NO. CS 272

SUB-PROJECT NO. CS 272-C

217 Temporary Hydrographic Signals
13 Recoverable Topographic Stations
230 Total Stations

Listed by: Margaret A. Velich
Copy Checked by: Mary R. Moore

NOTE:- Numbers in parentheses, such as (8') indicate heights above High Water Mark.

Division of Photogrammetry
Review Report of
Planimetric Maps Manuscript T-5998

Subject numbers not used in this review report have been adequately covered in other parts of the Descriptive Report

26 Control

Triangulation station Round Pond, White Church Spire, 1859, is shown on the map manuscript as a topographic station. The spire has been rebuilt since the station was established. It has been retained as a landmark and is filed as Chart Letter No. 95, 2/2/44, in the Nautical Chart Branch, Division of Charts.

28 Detailing

The shoreline on the map manuscript was corrected to agree with changes noted by the 1944 hydrographic party on field photos 7098, 7117 and 7119.

Corrections and additions were made to the drainage.

Comments concerning the shoreline and ledges in the review report fot T-5622 also apply to this map manuscript.

42 Comparison with Previous Topographic Surveys

T-1001	1/10000	1865
T-1028	1/10000	1866
T-1058	1/10000	1866-7
T-1076	1/10000	1867-8

There are ~~changes~~ differences in shoreline amounting to as much as 30 to 50 meters. More rocks above highwater ~~rocks~~ and rocks awash are shown on the recent survey. Interior detail differs greatly. KTA

The present survey supersedes the older surveys for all detail except contours and off-shore details.

43 Comparison with Contempory Hydrographic Surveys

H-6853	1/10000	1943-4	H-6954	1/10000	1943-4

Many rocks awash and ledges not visible on the photographs have been transferred to the map manuscript and shown in green ink. The low water line was transferred to the map manuscript.

Ledges already on the map manuscript were not in disagreement with sounding data on the hydrographic survey.

The shoreline of survey T-5998 supersedes the shoreline on the hydrographic survey.

- -

Note: May, 1948 LTS

H-6964 1/10000 1944

Rocks and ledges were transferred from the hydrographic survey to T-5998 by H. W. Thune. They are not carried on the published map.

- -

45 Comparison with Nautical Charts

313 1/40000

Some of the ledges shown on the map manuscript are indicated by clusters of rocks awash on the chart.

There are now picket fences and a beached ship in the waters between Oar Island and the mainland.

46 Application to Charts

Survey T-5998 has not been applied to charts as of the date of this review.

Reviewed by:

Jack Rihn

Jack Rihn, 7 Dec. 1944 K.h.m.

Under the direction of:

R. N. Berry

Chief, Review Section

Approved by:

B. J. Jones

Technical Assistant to the Chief, Div. of Photogrammetry

H. C. Edmonston

Chief, Nautical Charts Branch, Division of Charts

K. T. Adams

Chief, Div. of Photogrammetry

W. M. Scofe

Chief, Div. Coastal Surveys

T-5998

SIGNAL NUMBER	DESCRIPTION
1011	(S. S.) Tip of grass on prominent point. (0')
1012	(S. S.) Tip of grassy bank just E. of pier (0')
1013	(T. S.) S. W. gable of grey shingled barn. (45')
1014	"W. Gable of Two-Story White House" (T. S.) W. gable of two-story white house, with brick chimney on E. end and concrete chimney on W. end. (Recoverable Topographic Station) (30')
1154	Tip of ledge at H. W. L. Ledge is N. N. W. of old pier. (0')
1153	(S. S.) Tip of ledge at H. W. L. on prominent point. (0')
1150	(S. S.) Largest boulder at H. W. L. (2')
1151	(S. S.) Center of grass patch on top of offshore ledge. (4')
1149	"N. E. Gable of Two-Story Gray House" (T. S.) N. E. gable of 2-story gray house with white chimneys. (Recoverable Topographic Station) (60')
1148	(S. S.) S. corner of retaining wall. (0')
1152	(S. S.) Tip of ledge on prominent point at H. W. L. (0')
1147	(T. S.) E. gable of small boat-house unpainted. (15')
1146	(S. S.) N. tip of small islet at H. W. L. (0')

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SIGNAL NUMBER	DESCRIPTION
1145	(S. S.) Tip of southernmost detached ledge at H. W. L. (0')
1144	(S. S.) S. tip of ledge at H. W. L. on N. side of small bight. (0')
1143	(T. S.) E. Chimney of 1½ story white house on hill behind pier. (45')
1142	(T. S.) E. gable of two-story grey-shingled cottage with white trim. (35')
1141	(T. S.) E. gable of grey-shingled boat-house with green roof. (15')
1139	(T. S.) Chimney on brown one-story cottage trimmed with yellow. (30')
1136	(T. S.) S. E. gable of shingled barn N. W. of harbor. (60')
1137	(S. S.) Offshore tip of long projecting ledge at H. W. L. (0')
1138	(S. S.) E. gable of small fish house. (15')
1140	(S. S.) N. E. corner of retaining wall. S. E. of pier. (3')
1135	E. gable of two story shingled house. (30')
1134	"Chimney on Gray Shingled House" (T. S.) Top of chimney on one story, grey-shingled cottage. (Recoverable Topographic Station.) (30')
1133	S. tip of white granite ledge at H. W. L. (0')
1132	(S. S.) Offshore tip of rock just S. of long N. S. Ledge. (-2')

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SIGNAL NUMBER	DESCRIPTION
1131	(S. S.) Highest part of detached ledge. (-1')
1130	(S. S.) 35' lone spruce (8')
1245	"N. Gable Cottage Trimmed in White" (T. S.) N. gable grey shingled cottage on hill. Cottage is N'ly of several cottages on hill and trimmed with white. (Recoverable Topographic Station.) (100')
1010	(T. S.) Brick chimney in center of story-and-a-half dark-colored house. White trimmed, dormers on each side. (40')
7	South gable of large boathouse with white doors and white trim. (12')
1	Top center of stone culvert towards E. end of rock fill. There is a wooden railing on top of fill. (0')
1009	S. W. gable of white house with dark roof. Porch on front and two windows above porch. House is 1½ stories. (30')(T. S.)
2	Small dark shingled boathouse. Pricked E. gable. It is located in head of bight. (12')
1008	E. gable shingled boathouse with white doors and two windows in E. end. (15') (T. S.)
3	N. E. corner of wooden pier. White railing around top of pier and white gangplank leading down to float. (3')
4	East gable of most northerly of 3 dark shingled buildings on shore. (10')
1007	E. gable of unpainted shingled boathouse. (T.S.) (15')

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SIGNAL NUMBER	DESCRIPTION
1006	S. E. corner of off-shore abutment of old pier. (2') (T. S.)
1003	(T. S.) N. E. gable of unpainted boathouse (15')
1005	(T. S.) N. gable of gray, white trimmed, one story house with brick chimney. (20')
5	W. gable of white boathouse with green roof and green doors and blinds. (15')
6	Top of green roofed cupola on back end of pier. (12')
1004	"White 30-Foot Flagpole" (T.S.) White flagpole W. of white house with green roof. Pole is 30' high. (Recoverable Topographic Station) (5')
8	Top of white quartz rock-high water. (3')
1163	(T. S.) E. gable of small shingled house. (15')
1164	(S. S.) Tip of grass on point. (3')
1165	(S. S.) Top of high water rock. (0')
1166	(S. S.) N. E. tip of island at H. W. L. (0')
1167	(S. S.) Highest part of offshore ledge. (3')
1169	"N. Gable Two-Story House Green Roof" (T. S.) N. gable of two-story house with many windows and green roof. (Recoverable topographic Station.) (25')
1171	(S. S.) Top of high water rock off point. (1')

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SIGNAL NUMBER	DESCRIPTION
1172	"COOK" - Recoverable Topographic Station. Station is a standard bronze disc cemented in the top of a round flat boulder awash at high water; 6.3 meters S. of a large 5 foot white granite boulder; 6.5 meters W. of tree line, on W. side of Hog Island. (0')
1173	(S. S.) Tip of ledge at H. W. L. (0')
1174	(S. S.) Tip of brush at base of ledge. (5')
1175	(S. S.) Top tip of ledge on pt. Iron bolt set in tip. (8')
1176	(S. S.) N. W. corner of pier. (6')
1177	(S. S.) Top of N. section of large rock in middle of "The Narrows". (6')
1178	(S. S.) N. tip of long ledge along shore. (0')
1179	(S. S.) Tip of grass at H. W. L. (0')
1180	(S. S.) S. tip of low ledge just N. of dead tree at edge of water. (3')
1181	(S. S.) Tip of granite ledge on prominent point at H. W. L. (0')
1182	(S. S.) Top of offshore ledge. (4')
1183	(S. S.) Tip of point at S. side of small bight. (HWL) (0')
1184	(S. S.) Tip of white granite ledge at H.W.L. (0')
1185	(S. S.) Top of boulder close to H.W.L. (2')
1185-A	(S. S.) South tip of reef at high water line. (0')

SIGNAL NUMBER	DESCRIPTION
1186	(S. S.) Top of off-shore rock. (2')
1187	(S. S.) Top of boulder off point. (0')
1188	(S. S.) 40' bushy spruce (base) on point. (6')
	"FEAR" - Recoverable Topographic Station. Station is a bronze standard disc cemented in top of bed rock on S. end of most S'ly of Middle Ledges at H. W. L. (2')
1189	(S. S.) Top of H. W. rock off N. tip of islands (4')
1190	(S. S.) Tip of brush on S. E. side of point of island. (3')
1191	(S. S.) Tip of ledge forming N. point of island at H. W. L. Tip is just E. of crevasse in ledge. (0')
1155	(S. S.) S. W. corner of old pier. (0')
1156	(S. S.) Lone white boulder on beach. (2')
1157	(T. S.) Chimney on shingled cottage closest to point. (25')
1158	(S. S.) Tip of ledge forming prominent point at H. W. L. (W. of entrance to small cove.) (0')
1015	(S. S.) E. tip of large boulder awash at H.W. (0')
1016	(S. S.) 30' lone birch tree. Base is 2' above H.W.L. 5'-8' spruces just back (E) of base. (2')
1159	(S. S.) Tip of ledge forming point at E. entrance to small cove. (HWL) (0')

SIGNAL NUMBER	DESCRIPTION
1160	(S. S.) S. W. tip of prominent ledge. (2')
1161	(S. S.) Top of loose granite boulder on ledge. (4')
1162	(S. S.) Grass patch on top of offshore ledge. (7')
1168	(T. S.) E. gable of white house with green roof and three chimneys. (70')
1170	(T. S.) S. gable of shingled boathouse - Unpainted. (15')
1192	(T. S.) E. gable of shingled fish house on pier S. W. of old boat. (15')
1193	(S. S.) N. E. corner of board fence in water. (4')
1194	(T. S.) E. gable two-story white house with green roof. (45')
1195	(S. S.) Top of white granite ledge on point. (5')
1196	(S. S.) Tip of ledge forming point at S. W. side of small cove. (0')
1198	(S. S.) Tip of ledge forming point at N. entrance to cove at H. W. L. (0')
1199	(S. S.) Tip of ledge forming prominent point at H.W.L. (0')
1197	Large rock at H.W.L. at head of cove. (S.S.) (0')
1200	(S. S.) 7' pine (base) on N. side of break in brush and most S'ly of group of pines. (2')

SIGNAL NUMBER	DESCRIPTION
1201	(S. S.) Top of loose boulder on N. side of small bight. (1')
1202	Tip of higher part of ledge forming S. end of island at H. W. L. (0')
1203	(S. S.) Top of large boulder S. of prominent point. (2')
1204	(S. S.) Top of high water rock. (1')
1205	(S. S.) N. tip of brush on large off-shore rock. (6')
1206	(S. S.) N. tip of high water rock. (2')
1206-A	Base of pole on end of pier. (T.S.) (5')
1207	"HOOF" - Recoverable Topographic Station. Station is a standard bronze disc cemented in S. tip of a long brown H.W. rock; 31 meters from tree line, about directly opposite W. side of Clam Island, and 1/4 mile S. W. of prominent point near Medomak on mainland. (0')
1208	(S. S.) Top of largest high water rock in bight. (3')
1210	(T. S.) Base of 25' pole on N. E. corner of pier. (6')
1213	(T. S.) E. gable of small unpainted shingled boathouse. (15')
1209	(S. S.) Top of high water rock. (2')
1238	N. gable of small fish house on point. (T.S.)(15')
1239	S. gable of small fish house. (T.S.) (15')

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SIGNAL NUMBER	DESCRIPTION
1241	(T. S.) W. gable of white house with dark roof and two brick chimneys. (35')
1240	"W. Gable of Yellow House" (T. S.) W. gable of one-story yellow house. (Recoverable Topographic Station) (25')
1242	(S. S.) N. tip of high water rock. (0')
1243	(S. S.) Top of white boulder off small point. (1')
1288	(S. S.) Tip of brush N. E. of tip of rocky point. (4')
1287	(S. S.) Center of grass patch on highest part of rock. (8')
1286	(S. S.) Tip of brush on S. end of islet. (4')
1289	(S. S.) Top of high water rock S.W. of yellow house. (3')
1285	(S. S.) Tip of brush at W. entrance to cove. (4')
1284	(S. S.) Tip of ledge on N. side of small cove. (4')
1283	W. gable one-story red brick house. (T.S.) (35')
1282	N. gable of S'ly of small houses on point. (T.S.) (15')
1244	W. gable of yellow two-story house with dark roof. (T.S.) (60')
1281	(S. S.) Top of rock forming point. (3')

SIGNAL NUMBER	DESCRIPTION
1280	(S. S.) N. E. tip of long brown rock. (2')
1279	(S. S.) Top of large grey boulder on SW tip. (4')
1278	(S. S.) Center of ledge at E-W crevasse. N. E. tip of island. (2')
1276	(S. S.) SW tip of grass. (4')
1277	(S. S.) 30' spruce on N. tip. [illegible] (4')
1275	(S. S.) Highest part of off-shore rock S. of bight. (3')
1274	(S. S.) Top of high water rock. (3')
1272	(S. S.) S. tip of brush. (6')
1271	(S. S.) Top of brown rock at head of cove. (2')
1270	(S. S.) Top of large boulder. (3')
1273	(S. S.) N. W. corner of pier. (4')
1269	"S. Gable of Shingled House" (T.S.) S. gable of shingled house east of pier (Recoverable Topographic Station) (35')
1268	(S. S.) Highest part of high water rock just W. of small island. (6')
1267-A	(S. S.) N. tip of rock point at H.W. (0')
1267	(S. S.) Tip of brush. (7')
1266	(S. S.) Top of high water rock on SE side of point. (2')

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SIGNAL NUMBER	DESCRIPTION
1265	(S. S.) E. corner of pier. (3')
1264	(S. S.) S. E. tip of granite ledge. (6')
1263	(S. S.) N. tip of brush and grass. (2')
1262	(T. S.) W. gable of one story cream colored house. (25')
1261	(S. S.) Top of high water rock. Closest to point at E. entrance to small cove. (2')
1260	(S. S.) Top of highwater rock. (2')
1259	(S. S.) Top of highwater rock S. of cream colored house. (4')
1258	(T. S.) W. gable of shingled boat house. (15')
1257	(S. S.) Tip of grass and brush. (2')
1256	(S.S.) Top of N. end of high water rock S. W. of point. (4')
1255	(S. S.) Top of highwater rock halfway between pier and point. (2')
1254	(S. S.) N. E. corner of stone pier. (0')
1253	(S. S.) Center of patch of small alders against bare bank. (4')
1252	(T. S.) E. gable of small house N. of float on W. side of cove. (8')
1251	(S. S.) Tip of grass at base of ledge on point. (2')

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SIGNAL NUMBER	DESCRIPTION
1247	Chimney on white one-story house with shingle roof. (T. S.) (25')
1248	E. gable of shingled boathouse on W. side of cove. (T.S.) (15')
1250	(T. S.) W. gable of small unpainted house at head of cove. (8')
1249	(T. S.) S. gable of small unpainted house on E. side of cove. (10')
1251-A	(T. S.) N. gable of shingled boathouse, N. E. of pier. (15')
1246	(S. S.) S. W. corner of pier. (3')
1320	(S. S.) 5' white boulder setting on brown ledge. 10' from brush line. (5')
1321	(S. S.) Tip of brush on rounding pt. Sloping, rock point. (10')
1322	(S. S.) E. gable white building, one window, and large double doors on E. side. (T. S.) (18')
1323	(S. S.) 4' rough brown boulder N. of offshore reef. (2')
1324	(S. S.) Tip of brush line on rounding point. Large rock point N. of bight. (10')
1325	(S. S.) N. E. tip of long flat pointed brown rock. (1')
1326	"DUCK"-Recoverable Topographic Station. Station is a standard bronze disc cemented in the N. E. tip of a rock forming the S.end of a reef offshore from a long shallow bight on the E. side of Bremen Long Island. Mark is 7.3 meters from M.H.W. at S. tip of reef, and 1.3 meters from M.H.W. on E. side of reef. (3')

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SIGNAL NUMBER	DESCRIPTION
1327	(S. S.) Tip of tree line on rounding point just S. of break in trees. (8')
1328	(S. S.) Top rock in bight awash 9:30 7/17/43 (0')
1329	(S. S.) N. tip of white ledge at H.W. Mark. Crevice 50' to N. (0')
1330	(T. S.) S. gable yellow house, green roof, Chimney in middle of roof. Most southerly of group of houses. (T.S.) (45')
1297	(S. S.) S. E. corner of pier. (4')
1296	(S. S.) N. tip of retaining wall. (4')
1296-A	(S. S.) Top center of rock on W. side of cove. (2')
1295	(S. S.) Tip of brush on point. (S. E. entrance to cove.) (3')
1294	(S. S.) Tip of grass on small point. (0')
1293	(S. S.) Top of H. W. rock just S. W. of N. entrance to cove. (1')
1292	(S. S.) Top of offshore boulder. (1')
~~1301~~	~~(S. S.) First large boulder N. of two large boulders close together (3')~~ THIS SIGNAL ORIGINALLY SHOWN ON MAP DRAWING SURVEY NO. T-5998 HAS BEEN TRANSFERRED TO MAP DRAW. SURVEY NO. T-5822
1300	(S. S.) Top of large brown offshore boulder (2')
1299	(S. S.) Tip of ledge on S. W. tip of island. (3')
1298	(S. S.) Top of large brown boulder on point. (2')

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SIGNAL NUMBER	DESCRIPTION
358	(S. S.) Sharp pointed rock toward N. end of island. (12')
359	(S. S.) Center of several small boulders on high part of rocky island. (15')
360	(S. S.) Top center of high part of West side of rocky island. Brown with crack down through center. (12')
361	(S. S.) Honey coned rock, two small boulders 50' inshore from it. (10')
362	(S. S.) North tip of island at high water line. Another point to N. E. (0')
363	(S. S.) Lone 15' scrawny spruce on south tip of island. (25')
364	(S. S.) Crown tipped lone 10' boulder. (10')?
365	(S. S.) Pointed 6' boulder with top slanting toward W. (10')?
366	(S. S.) Top center of boulder on rocky point. Seems to be wedged out from rest of rock formation. (15')
367	(S. S.) South side of groove at brush line (15')
368	(S. S.) N. E. end of 10' boulder, 10' from grass line on rocky beach. (10')
369	(S. S.) 6' round boulder with black specks on top. (15')
370	(S. S.) Small white boulder on rocky point 30' from grass line. (10')

SIGNAL NUMBER	DESCRIPTION
371	(S. S.) South side of nitch at edge of grass line. (12')
372	(S. S.) Round 5' boulder on rocky reef. (10')
373	(S. S.) White rock on sloping rocky point, at edge of grass line. (8')
374	(T. S.) West gable of white house with dark roof. (50')
375	(S. S.) Top center of brown bottom, light top rock. (10')
376	(S. S.) Lone 5' spruce tree at edge of grass line.
377	(S. S.) 3' boulder in bight, grass all around. (8')
378	(S. S.) Outer point at high water, white tip. (0')
379	(S. S.) Top center white rock to right of pronounced green brush. Gravel beach to East of it. (12')
380	(S. S.) Pyramid shaped rock on long rocky reef. (7')?
71	Outer 30' spruce tree on point.
72	Top center of white rocks. (8')
80	8' up from deciduous tree on southeast side of point of island.
81	3' boulder on point (on east side). (4')
82	Top of white rocks at edge of tree line (8')

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SIGNAL NUMBER	DESCRIPTION
73	White rock on point. (8')
74	Edge of grassline on point. (6')
75	Center of pier (connected to shore) (3')
76	East gable of grey lobster house. (15')
77	N. West corner of shed. (12')
78	Northeast corner of vegetation near 2' cedar. (3')
79	West gable shed in inlet. (15')
83	White boulder at high water north 50' of white boulder. (0')
84	White 5' boulder at high water mark. (0')
85	Top center of rock high water mark. (3')
87	"SLIP"- Recoverable Topographic Station. Station is a standard bronze disc. cemented in the top of a brown rock outcrop at edge of grass and N. E. tip of Muscongus Island. Bafe gravel bank drops abruptly from rock to N. A white granite boulder is in field just S. of mark. (10')
86	Pointed boulder in gravel. (1')
88	Boulder on Pt. (1')
89	Inshore boulder. (2')
90	Brown rock 100' offshore. (0')
91	Most southerly tree of a group at north edge of clearing.

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SIGNAL NUMBER	DESCRIPTION
92	Boulder (dark) set out away from bank. (3')
93	Top center of large brown rock. (3')
94	End of rock fence at edge of grass line. (4')

NAUTICAL CHARTS BRANCH

SURVEY NO. T5998

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
8/6/45	Reconst. 313	J P Walker	~~Before~~ After Verification and Review Completely
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

M-2168-1

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