

8568

Diag'd. on Diag. Ch. No. 1202

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric Air Photo.
(Shoreline)

Field No. CS-272-E Office No. T-8568

LOCALITY

State Maine

General locality Blue Hill Bay

Locality Mount Desert, Bar, Tinker and
Hardwood Islands

1944

CHIEF OF PARTY

D.E. Sturmer

LIBRARY & ARCHIVES

DATE

June 2 - 1949

B-1870-1 (11)

8568

R.S. 478
(T-8568)
Ph-103(52)

Foreshore and offlying shoal corrections and additions were added from low-water single lens photographs taken in May, 1952, with the "j" camera, and are shown in red on the black line acetate reproduction of the manuscript. The photographs were ratio printed to scale permitting detail to be added without further radial plotting. Wherever possible recoverable photo-hydro signals previously located were used in applying the new additions, however, it was necessary to apply corrections by holding to identifiable features previously compiled.

The stage of tide for the 400 series of photos was +0.6 ft., for the 2400 series +0.2 ft., and for the 700 series -0.7 ft. With such variation, the LWL can only be considered approximate.

No new photo-hydro statins were located nor was any building or road revision made at this time.
Building & road revision completed Jan 1954 except on Seal Cove Pond where no new photographs exist.

DWR Respectfully submitted:

Samuel D. Parkinson
Samuel D. Parkinson *DWR*
Lieutenant, U.S.C. & G.S.
Mar. 1953

Approved by:

L. C. Lande
L. C. Lande, Chief
Graphic Compilation Section
Division of Photogrammetry

DATA RECORD

T-8868

Quadrangle (II):

Project No. (II): CB-272-E
Shoreline

Field Office:

Air Photographic Party No. 2

Chief of Party:

~~Fred. L. Peacock~~
Dale E. Sturmer

Compilation Office:

Baltimore Photogrammetric Office

Chief of Party:

Fred. L. Peacock

Instructions dated (II III):

April 1, 1942 (Additional)

July 10, 1943 (Horizontal Control Requirements)

March 18, April 11, and July 17, 1944 (Supplemental)

August 10, 1944 (Additional) Aug. 28, 1944 (Amendment to Additional Instructions)

Completed survey received in office:

*21 March, 1944*Copy filed in ~~Descriptive~~
Division of
~~Report No. 7~~ *(VI)*
Photogrammetry Office file

Reported to Nautical Chart Section:

Reviewed: *J.R. Thorne 3/3/47* Applied to chart No.

Date:

Redrafting Completed: *No redraft.*Registered: *29 Sept. 1948*Published: *Nov. 1947*

Compilation Scale: 1:10,000

Published Scale: *1:10000*

Scale Factor (III): 1.0000

Geographic Datum (III): N.A. 1927

Datum Plane (III): *M.H.W.*

Reference Station (III): BAR ISLAND 2, 1934, r. 1944

Lat.: 44°15' 20.903" 645.2 m. Long.: 68° 27' 28.144" 624.3 m Adjusted
~~UNADJUSTED~~State Plane Coordinates (VI): *Not on map.*

X =

Y =

Military Grid Zone (VI)

** 44-C-2095 to

44-C-2096, Incl. 6-23-44 1045 1:10,000 7.1' above M.L.W.

- 2 -

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	75° W. <u>Meridian</u> <u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
44-C-1305 to				
44-C-1309, Incl.	5-26-44	1230	1:10,000	8.3' above M.L.W.
44-C-1352 to				
44-C-1354, Incl.	5-26-44	1245	1:10,000	8.7' above M.L.W.
44-C-1398	5-29-44	1045	1:10,000	0.9' above M.L.W.
44-C-1439 to				
44-C-1442, Incl.	5-29-44	1130	1:10,000	1.5' above M.L.W.
44-C-1632	6-4-44	1100	1:10,000	7.1' above M.L.W.
44-C-1636 to				
44-C-1642, Incl.	6-4-44	1115	1:10,000	6.6' above M.L.W.
44-C-1799	6-5-44	1545	1:10,000	0.6' above M.L.W.
44-C-2087	6-23-44	1030	1:10,000	6.4' above M.L.W.
44-C-2089 to				
44-C-2092, Incl.	6-23-44	1045	1:10,000	7.1' above M.L.W.

Tide from (III); Predicted Tide Tables, Atlantic Ocean, 1944. Reference Station-
Portland, Maine, with corrections to Naskeag Harbor, Eggemoggin Reach, Maine.
Mean Range: 10.2' Spring Range: 11.6'

Camera: (Kind or source) U. S. Coast and Geodetic Survey Wide Angle Single Lens
Camera. Type "C" - Focal Length 6". All negatives are on file in the Washington
Office.

Field Inspection by: Lieutenant Dale E. Sturmer date: Sept. and Nov. 1944

Field Edit by: *None* date:

Date of Mean High-Water Line Location (III); Same as date of photographs
supplemented by the field data obtained during September and November 1944.

Projection and Grids ruled by (III) S.R. date: 1-7-45

" " " checked by: Unknown date: Unknown

Control plotted by: K. N. Maki date: January 1945

Control checked by: Michael G. Misulia date:

Radial Plot by: H. R. Rudolph, L.A. Senasack, and
E. L. Bauman date: November and
December 1945

Detailed by: A. K. Haywood and R.K. Rudolph date: 1-9-46 to 3-6-46

Reviewed in compilation office by: R. Glaser date: 3-11-46 to 3-14-46

Elevations on Field Edit Sheet *none H.R. Rudolph*
checked by: date: 2/28/47

STATISTICS (III)

Land Area (Sq. Statute Miles); $3\frac{1}{2}$

Shoreline (More than 200 meters to opposite shore); 17 Statute Miles

Shoreline (Less than 200 meters to opposite shore); 1.5 Statute Miles.
(Measured along approximate centerline only)

Number of Recoverable Topographic Stations established; 14
(Nine of these are Photo (Topographic) Stations and five are Theodolite Stations).

Number of Temporary Hydrographic Stations located by radial plot; 72

Leveling (to control contours) - miles;

Roman numerals indicate whether the item is to be entered by,

(II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

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

Remarks;

FIELD REPORT
SURVEY No. T-8568

COAST OF MAINE
BLUE HILL BAY
Project No. CS-272-E

1. DESCRIPTION OF THE AREA:

According to the Instructions, dated August 10, 1944, the Survey for Map Manuscript, Survey No. T-8568, is a shoreline survey and covers an area on the southwestern shore of Mount Desert Island and several islands in Blue Hill Bay. The largest of these islands are Tinker Island, Hardwood Island, and Bar Island.

Immediately adjacent to the Mean High-Water Line the terrain is, in general, rocky. The foreshore area is commonly ledge rock with some stretches of sand and gravel beaches, frequently boulder strewn. Most of the sand and gravel beaches are in or near coves.

The interior is hilly and mostly tree covered with the elevation rising from sea level to a maximum of 260 feet. One large pond, Seal Cove Pond, lies in the northeastern part of this survey. There are a few cleared and cultivated areas, most of which are along the more important roads on Mount Desert Island.

2. COMPLETENESS OF FIELD INSPECTION:

The identification of the horizontal control, Mean High-Water Line, foreshore and offshore features are complete except for offlying shoal and sunken reef areas not discernible on the photographs. The identification of the approximate Mean Low-Water Line is not complete in several areas (See Side Reading No. 8 - Mean Low-Water Line). The charting data for these features will become available during contemplated hydrography.

3. INTERPRETATION OF THE PHOTOGRAPHS:

Sufficient notes have been made on the field photographs to enable the Compilation Office to augment the field interpretation by analogy where necessary.

4. HORIZONTAL CONTROL:

All except one of the existing Horizontal (Control) Stations were recovered in good condition and identified as positive. The one Horizontal Station not recovered was Hardwood Island, 1863. Five new Theodolite Stations have been established within the area of this Survey.

Form No. 526, Recovery Note, has been submitted for each of the previously existing control stations recovered within the area of the Survey.

5. VERTICAL CONTROL:

No vertical control was recovered or identified within the area of this Survey.

6. DRAINAGE:

Drainage was not identified on the field photographs.

7. MEAN HIGH-WATER LINE:

All of the Mean High-Water Line was inspected from a dinghy kept close to the shore or by traversing on foot. Where the Mean High-Water Line could not be directly identified on the field photographs, reference measurements were taken or the distance estimated from some well-defined point.

Along shore rocks, offshore rocks, and islets above the plane of Mean High-Water revealed by photography have been identified on the field photographs with the elevation above the plane of Mean High-Water noted.

8. MEAN LOW-WATER LINE:

The Mean Low-Water Line was inspected at or near Mean Low-Water whenever practicable. Two small portions of the Mean Low-Water Line along Mount Desert Island and all of the Mean Low-Water Line around the islands in Blue Hill Bay with the exception of Herdwood Island, have been identified on the field photographs. The identification of the Mean Low-Water Line on the field photographs is very close to its true position but is to be considered approximate.

9. WHARVES AND SHOVELINE STRUCTURES:

All of the piers, a seawall, and other shoreline structures visible on the photographs within the area of this Survey have been identified on the field photographs.

10. DETAILS OFFSHORE FROM THE MEAN HIGH-WATER LINE:

Only a small amount of detail outside the foreshore area was revealed by photography. It includes several rocks that uncover at Mean Low-Water, a few rock ledge areas, two fish traps, and small islets.

The character of the foreshore area has been indicated on the field photographs. The extent to which several prominent rocks bare or uncover at Mean Low-Water has been noted on the photographs. The height of each of the small islets above Mean High-Water has also been noted.

11. LANDMARKS AND AIDS TO NAVIGATION:

BLUE HILL BAY LIGHT, Fl. W., 4 sec., is the only previously charted Non-Floating Aid to Navigation which falls within the limits of the Survey.

One new Landmark, CHURCH SPIRE, (Iremont Methodist) is recommended for charting.

Both the Non-Floating Aids to Navigation and the Landmark have been identified on the field photographs. *see par #34, p. 9.*

12. HYDROGRAPHIC CONTROL:

5 Theodolite Stations.

*9 Recoverable Photo (Topographic) Stations.

72 Temporary Photo (Topographic) Stations.

Descriptions have been furnished.

* One of these is also a Non-Floating Aid to Navigation and one is also a Landmark.

14. ROAD CLASSIFICATION:

In accordance with the Army War College Circular, dated January 12, 1942, "Classification of Roads".

18. GEOGRAPHIC NAMES: *614*

No investigation.

COMPILATION REPORT
MAP MANUSCRIPT, SURVEY No. T-8568

COAST OF MAINE
BLUE HILL BAY
MOUNT DESERT ISLAND
BAR, TINKER, & HARDWOOD ISLANDS
Project No. CS-272-E

26. CONTROL:

The horizontal control in the area of the Map Manuscript for Survey No. T-8568 consists of ten stations. They are as follows:

Nine within the detail limits:

<u>Name of Station</u>	<u>Type of Station</u>
* BAR ISLAND 2, 1934, r. 1944 -	Triangulation
BLUE HILL BAY (FLYE ISLAND) LIGHTHOUSE, - 1864, r. 1934, r. 1944	Triangulation
CALF, 1944 -	Topographic (new) <i>Theodolite</i>
* DUKY, 1944 -	topographic (new)
* HARD, 1944 -	topographic (new)
** HARDWOOD ISLAND, 1863	Triangulation
SEAL COVE, 1863, r. 1944 -	Triangulation
* SONG, 1944 -	Topographic (new)
TINK, 1944 -	Topographic (new)

*see #
leaf 35
p. 9*

One just outside the detail limits:

* WEST PEAK, 1924, r. 1944 Triangulation

* Station identified by a substitute point. The positions of these substitute points have been shown on the Map Manuscript with very small black acid ink circles, accompanied by the note "Sub. Sta."

** Not recovered.

All of the above horizontal stations, with the exception of HARDWOOD ISLAND, 1863, were used as horizontal control for controlling the radial plot.

27. RADIAL PLOT:

The radial plot for the area of this Survey is part of a combined plot made with celluloid templets. The Radial Plot Report of the combined plot will be submitted at a later date.

28. DETAILING:

The field data, except for the entire area of Seal Cove Pond and Channel Rock, horizontal (control) stations, and horizontal pass points available for the compilation of this survey were adequate.

The photographic coverage in the area of Seal Cove Pond was inadequate due to insufficient side overlap resulting in many of the detail points being determined by the intersection of only two radials, some of which were very slim angle intersections. However, it is believed that these points are all within the required limits of accuracy.

No field data was available for delineating Seal Cove Pond and Channel Rock, both of which were delineated after careful office interpretation of the photographs.

29. MEAN HIGH WATER LINE:

The Mean High-Water Line bordering along firm ground has been detailed in accordance with the field data and is shown with a continuous heavy-weight black acid ink line. There are no marsh areas bordering the Mean High-Water Line except along the southern shore of Seal Cove Pond. In this area the Marsh Line has been shown with a continuous light-weight black acid ink line except where it is not clearly visible on the photographs. Where the Marsh Line was not visible on the photographs, only the marsh and grass-in-water symbol is shown.

30. MEAN LOW-WATER LINE:

Only the approximate position of the Mean Low-Water Line identified by the Field Inspection Party has been shown on the Map Manuscript. This includes the Mean Low-Water Line along two small portions of Mount Desert Island and around all the islands in Blue Hill Bay with the exception of Hardwood Island. The approximate position of the Mean Low-Water Line has been shown on the Map Manuscript with a dotted black acid ink line.

31A. FORESHORE AREAS:

The foreshore areas shown on the Map Manuscript consist of rock ledge, boulders, detached rocks, grass-in-water, and sand and gravel beaches all of which have been delineated in accordance with the field data.

31B. SHOAL LINES:

The approximate limits of shoal areas was delineated in accordance with the Compilation Office interpretation of the photographs and is for the advance information of the Hydrographic Parties only. Shown with a long dashed black acid ink line, accompanied by the note "Shoal".

31C. REEF LINES:

The approximate outline of reef areas was delineated in accordance with the Compilation Office interpretation of the photographs and is for the advance information of the Hydrographic Parties only. Shown with a short dashed black acid ink line, accompanied by the note "Reef".

32. DETAILS OFFSHORE FROM THE MEAN HIGH-WATER LINE:

The offshore details include rock ledge, boulders, rocks, shoals, sunken reef areas, islets, and two fish traps. With the exception of the shoal and reef areas, all of these details have been delineated in accordance with the field data.

33. WHARVES AND SHORELINE STRUCTURES:

All piers, a seawall, and other shoreline structures have been delineated in accordance with the field data and accompanied with descriptive notes.

34. LANDMARKS AND AIDS TO NAVIGATION:

BLUE HILL BAY LIGHT, Fl. W., 4 sec., is the only previously charted Non-Floating Aid to Navigation, the existence of which was verified by the Field Inspection Party, which falls within the limits of this Survey.

One new Landmark, CHURCH SPIRE, (Tremont Methodist), is recommended for charting by the Field Inspection Party. The position of both the Landmark and the Non-Floating Aid to Navigation have been determined by photogrammetric methods and are shown on the Map Manuscript with a $2\frac{1}{2}$ mm. circle.

Form No. 567 is being submitted for each of the two stations.

Ch. Letter No. 134 (1947)

35. HYDROGRAPHIC CONTROL:

- * 9 Photo (Topographic) Stations.
- 5 Theodolite Stations. (*See p. 7*)
- 72 Temporary Photo (Topographic) Stations.

A list of their descriptions is attached to this Report.

Form No. 524 is being submitted for each of the nine Photo (Topographic) Stations and the five Theodolite Stations.

** Blue Hill Bay Lt.*

*No. 1315
2343
2347 (Landmark)
2364
2370
2375
2380
2384*

38. GEOGRAPHIC NAMES:

Taken from Nautical Chart No. 307, United States Geological Survey, Mount Desert, Maine, Quadrangle Map, and the United States Geological Survey Topographic Map, Acadia National Park and vicinity.

A list of the Geographic Names is attached to this report.

39. JUNCTIONS:

The junctions with Map Manuscript, Survey No. T-8567 to the north, Survey No. T-8569 to the south, Survey No. T-8573 to the southeast, and Survey No. T-8556 to the southwest, have been made and are in agreement.

The junction with Survey No. T-8574 to the east is an undetailed interior area of Mount Desert Island.

The junction with Map Manuscript, Survey No. T-8557, to the west, will be made when that Survey is compiled. *No detail.*

T-8556 OK

40. POSITION ACCURACY OF IMPORTANT PLANIMETRIC DETAILS:

Believed to be within 0.5 mm.

41. RECOMMENDATIONS FOR FUTURE SURVEYS:

Map Manuscript, Survey No. T-8568, is complete with respect to all known details necessary for charting, except the charted features not definitely revealed by photography, which should be investigated during contemplated hydrography. These features have been noted in "Notes to Hydrographic Parties" attached to this Report and indicated on a section of Nautical Chart No. 307, also attached to this Report.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

United States Geological Survey, Mount Desert, Maine, Quadrangle, 15' series, scale 1:62,500, edition of 1942.

United States Geological Survey, Swan Island, Maine, Quadrangle, 15' series, scale 1:62,500, edition of April 1904, reprinted 1943.

In general, planimetry common to the Quadrangles and to the Map Manuscript is in good agreement. Minor differences are discussed in the "Notes to Reviewer" attached to this Descriptive Report.

45. COMPARISON WITH NAUTICAL CHARTS:

United States Coast and Geodetic Survey Chart No. 307, scale 1:40,000, published at Washington, D. C., August 1943, corrected to July 5, 1945. (Common area).

In general, planimetry common to the Map Manuscript and to the Chart is in good agreement. Minor differences in land features are mentioned in the "Notes to the Reviewer" and in offshore features for which detailing data were lacking have been mentioned in the "Notes to the Hydrographic Party".

Respectfully Submitted:
March 14, 1946

Ruth E. Rudolph
Ruth E. Rudolph,
Photogrammetric Aid.

Map Manuscript and Descriptive
Report reviewed by:

Raymond Glaser
Raymond Glaser,
Engineering Draftsman.

Compilation of Map Manuscript
Supervised By:

Harry R. Rudolph
Harry R. Rudolph,
Photogrammetric Aid.

Approved and Forwarded:
March 20, 1946

Fred. L. Peacock
Fred. L. Peacock,
Chief of Party, C. & G. Survey
Officer-in-Charge,
Baltimore Photogrammetric Office

GEOGRAPHIC NAMES

Taken from Nautical Chart No. 307, United States Geological Survey, Mount Desert, Maine, Quadrangle, and the United States Geological Survey Topographic Map, Acadia National Park and Vicinity.

- Bar Island -
- Billings Hill -
- Blue Hill Bay -
- Center -
- Channel Rock -
- Cow and Calf Ledge -
- Dix Point -
- Dodge Point -
- Goose Cove -
- Goose Cove Rock -
- Green Island -
- Hardwood Island -
- Latty Cove -
- Moose Island -
- Mount Desert Island -
- Murphy Hill -
- Nutter Point -
- Reed Point -
- Robbins Hill -
- Rumell Island -
- Sand Island -
- Seal Cove -
- Seal Cove (Settlement) -
- Seal Cove Brook -
- Seal Cove Pond -
- Steward Brook -
- Tinker Brook -
- Tinker Hill -
- Tinker Island -
- Trumpet Island -
- Webster Brook -
- West Tremont -
- ✓ • Duck Cove (added)
- ✓ • Hillcrest Cemetery ✓
- ✓ • State No. 102

Names preceded by • are approved.

GEOGRAPHIC NAMES

L. Heck 9/15/47

1944
 IDENTIFICATION REPORT
 HORIZONTAL CONTROL
 MAP MANUSCRIPT, SURVEY No. T-8568
 Project No. GS-272-K

<u>Station</u>	<u>U.S.G.S. Quadrangle</u>	<u>Recovery Date</u>	<u>Pricking Data</u>
* BAR ISLAND 2, 1934, r. 1944	Mount Desert	11-23-44	Positive
BLUE HILL BAY (FLYE ISLAND) LIGHT- HOUSE, 1864, r. 1934, r. 1944	Swan Island	9-9-44	Positive
CALF, 1944	Mount Desert	New	Positive
* DUKY, 1944	Mount Desert	New	Positive
* HARD, 1944	Mount Desert	New	Positive
** HARDWOOD ISLAND, 1863	Mount Desert		
SEAL COVE, 1863, r. 1944	Mount Desert	10-28-44	Positive
* SONG, 1944	Swan Island	New	Positive
TINK, 1944	Mount Desert	New	Positive

* Station identified by a substitute point. The positions of these substitute points have been shown on the Map Manuscript with very small black acid ink circles, accompanied by "Sub. Sta.".

** Not used to control the radial plot.

NOTES
FOR
REVIEWER

COAST OF MAINE
MAP MANUSCRIPT, SURVEY No. T-8568
Project No. GS-272-K

All details have been shown with the usual symbols.

The small blue ink circles are the positions of well-defined points determined photogrammetrically and are considered very strong. The small green ink circles are the positions of well-defined detail points determined by only two wide angle radials or by three or more very slim angle radials and are considered weak.

The $2\frac{1}{2}$ millimeter black acid ink circles are the positions of Recoverable Photo (Topographic) Stations and of Temporary Photo (Topographic) Stations. Such circles, accompanied by a name and date (1944), are the positions of Recoverable Photo (Topographic) Stations and Theodolite Stations. All other such circles are the positions of the Temporary Photo (Topographic) Stations.

The very small black acid ink circles, accompanied by the note "Sub. Sta.", are the positions of substitute stations.

The Photographs contain no appreciable tilt or differential distortion.

The scales of the photographs and the Map Manuscript were in good agreement.

The following discrepancies between the Map Manuscript and the United States Geological Survey, Mount Desert, Maine, and Swan Island, Maine, Quadrangles, were found:

Shown on the Map Manuscript but not on the Quadrangles:

A number of bare rocks, boulders, and much rock ledge along the shoreline of the entire survey.

Several piers, fish traps, and a concrete seawall along the western shore of Mount Desert Island.

More Buildings.

Geographic name - Cow and Calf Ledge.

Shown on Quadrangles but not on Map Manuscript Because
No Data were Available:

A stream in small cove west of Billings Hill.

Swamp on the northern part of Trumpet Island; just north of Nutter Point; on Mount Desert Island opposite Rumell Island and on Dix Point.

A shoreline structure (character unknown) in Latty Cove.

In Disagreement with the Quadrangles:

The geographic name Bluehill Bay is shown as Blue Hill Bay on the Map Manuscript.

On the western shore of Mount Desert Island between Dodge Point and Rumell Island, an indentation in the shoreline appearing on the Quadrangle is shown on the Map Manuscript as a pond inshore from the Mean High-Water Line.

The following discrepancies between the Map Manuscript and Nautical Chart No. 307 were found:

Shown on the Map Manuscript but not Charted:

Several piers along the shoreline of Mount Desert Island.

All buildings.

Rock ledge in cove northeast of Dodge Point.

Rock ledge around Moose Island and Sand Island.

Geographic names, Murphy Hill, Seal Cove (Settlement), Seal Cove Brook, Tinker Brook, Tinker Hill, Center, Webster Brook, and Steward Brook. 814 ✓

Marsh areas at southern end of Seal Cove Pond.

Charted and not shown on Map Manuscript Because no Data were Available:

A pier on the southeastern shore of Goose Cove.

Several rocks awash in the vicinity of Goose Cove, Dix Point, and Nutter Point.

Three rocks off the western shore of Tinker Island.

Three rocks awash in the vicinity of Sand Island.

All Floating Aids to Navigation.

In Disagreement with the Nautical Chart:

Rock ledge appearing on the chart along the northeastern side of Bar Island has been shown as boulders on the Map Manuscript.

Main road on Nutter Point.

Respectfully Submitted:
March 14, 1946

Ruth E. Rudolph
Ruth E. Rudolph,
Photogrammetric Aid.

Approved and Forwarded:
March 20, 1946.

Fred. L. Peacock
Fred. L. Peacock,
Chief of Party, C. & G. Survey
Officer-in-Charge,
Baltimore Photogrammetric Office

Division of Photogrammetry
Review Report of
Shoreline Survey Manuscript T-8568

Paragraph numbers used in this report refer to paragraph numbers in the Descriptive Report.

29 to 32. Conciliation.

The shoreline and planimetry shown on the map manuscript are complete and in accordance with project instructions, and no significant changes were necessary during the review except for the following.

The map manuscript showed a dashed line outside the ledge and low water lines, marked "shoal", and "reef". This line was placed on the map manuscript wholly from office interpretation of the photographs. Comparison with existing nautical charts indicates that this line showed no consistency with respect to soundings, and as this line would be of no value to the hydrographer it has been removed from the map manuscript except where specifically noted by the field inspector or by photo interpretation.

The rock heights and symbols were changed to conform with Photogrammetry Instructions No. 3, dated December 23, 1946.

44. Comparison with Existing Topographic Surveys.

This survey (T-8568) compares with the following older U.S.C. & G.S. topographic surveys and supersedes them in all cases in detail:

T-1291	1:10,000	1872
T-1292	1:10,000	1872
T-1379	1:10,000	1874
T-1375	1:10,000	1875

Comparison has been made between map manuscript T-8568 and the following U.S.C. & G.S. quadrangles, and good agreement exists in all cases in detail, except as noted under "Notes to the Reviewer" in the descriptive report:

U.S.C. & G.S., Mount Desert quadrangle, (Hancock County), Maine, 15 minute series, 1:62,500, edition of 1942.

U.S.C. & G.S., Evans Island quadrangle, (Hancock County), Maine, 15 minute series, 1:62,500, edition of 1945.

Comparison has also been made between this manuscript (T-8568) and the following U.S.G.S. Special Sheet. No additional discrepancies were noted:

U.S.G.S. Acadia National Park and
Vicinity, (Hancock County), Maine,
1:31,680, edition of 1942.

45. Comparison with Nautical Charts.-

This manuscript was compared with U.S.C. & G.S. nautical chart number 307, edition of August 1943, corrected to August 1943, scale 1:40,000. Discrepancies between these maps are adequately discussed under item 45 and "Notes to the Reviewer" in the descriptive report.

Map manuscript T-8568 has not been applied to charts prior to this review. All corrections and additions have been shown on the map manuscript in red acid ink.

Reviewed by:

Reviewed under direction of:

Howard W. Thune
Howard W. Thune
Photogrammetrist 3/3/47

S. V. Griffin
Chief, Review Section 3/14/47

APPROVED BY:

B. B. Jones per Sr.
Technical Assistant to the
Chief, Div. of Photogrammetry

A. C. Edmonstone
Chief, Nautical Chart Branch
Division of Charts

K. T. Adams
Chief, Div. of Photogrammetry

W. M. Scoble
Chief, Div. of Coastal Surveys

COAST OF MAINE
PROJECT No. CS-272-B

DESCRIPTIONS OF THE TOPOGRAPHIC (THEODOLITE) STATIONS,
RECOVERABLE PHOTO (TOPOGRAPHIC) STATIONS AND TEMPORARY PHOTO
(TOPOGRAPHIC) STATIONS FOR THE AREA OF MAP MANUSCRIPT,
SURVEY No. T-8568

NUMBER OF TOPOGRAPHIC (THEODOLITE) STATIONS.....	5
NUMBER OF RECOVERABLE PHOTO (TOPOGRAPHIC) STATIONS.....	9
NUMBER OF TEMPORARY PHOTO (TOPOGRAPHIC) STATIONS.....	<u>72</u>
	--
TOTAL NUMBER OF STATIONS	86

Listed By: Ruth E. Rudolph
Ruth E. Rudolph,
Photogrammetric Aid

Checked By: Raymond Glaser
Raymond Glaser,
Engineering Draftsman

NOTES
FOR
HYDROGRAPHIC PARTIES

COAST OF MAINE
MAP MANUSCRIPT, SURVEY No. T-8568
Project No. CS-272-E

The 2½ millimeter black acid ink circles are the positions of the selected hydrographic control stations. Two copies of the Descriptive List have been furnished for your use.

The outline of shoal and sunken reef areas shown are approximate and are for your advance information only. They are shown with long dashed and short dashed black acid ink lines, respectively.

The dotted acid ink line is the approximate position of the Mean Low-Water Line.

The very small acid ink circles, accompanied by "Sub. Sta." are the positions of substitute stations. A brief description of the substitute stations may be found on the pricking cards, Form No. M-982-1, submitted to the Washington Office.

The following charted features were not definitely revealed by photography and should be investigated during contemplated hydrography:

Channel Rock. (It is not known to what extent this rock bares or uncovers. No information was furnished the Compilation Office).

Several rocks awash in the vicinity of Goose Cove, Dix Point, and Mutter Point.

Three rocks off the western side of Tinker Island.

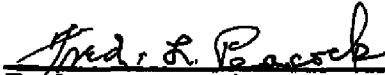
Three rocks in the vicinity of Sand Island.

All Floating Aids to Navigation within the area of the Survey.

NOTE: For location, see section of Chart No. 307 attached to this Report. These features have been indicated on the section of Chart by a red ink line around the areas in which they fall.

Respectfully Submitted:
March 14, 1946.

Approved and Forwarded:
March 20, 1946


Fred. L. Peacock

Chief of Party, C. & G. Survey
Officer-in-Charge,
Baltimore Photogrammetric Office


Ruth E. Rudolph,
Photogrammetric Aid.

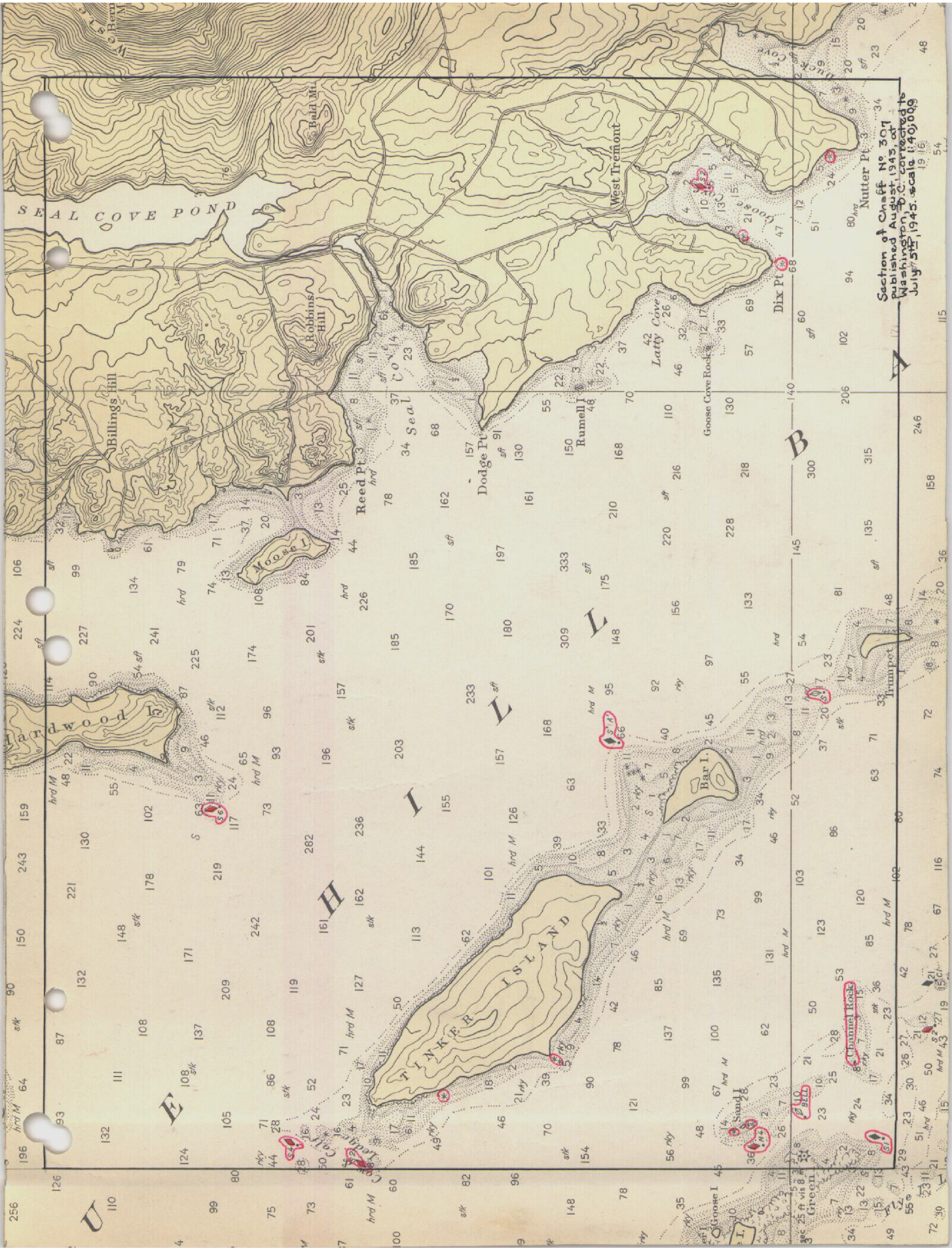
- 1312 Northeastly evergreen of a line of evergreens one meter from water. Base of 50 foot tree.
- 1313 30 foot evergreen six meters from High Water Line.
- 1314 6 foot evergreen.
- 1315 "STONE CHIMNEY" - Station is the lone stone chimney of a one-story unpainted, shingled house located on the southwestern side of Mount Desert Island, on the eastern side of the entrance to Goose Cove, due west of Dix Point, 700 meters northwest of Nutter Point, 100 meters southeast of the point of the east side of the entrance to Goose Cove, 16 meters back of Mean High Water Line. Recoverable Photo (Topographic) Station.
- 1316 Center of base of closely grown tall evergreen.
- 1317 Offshore evergreen of group of 20 foot evergreens closely grown.
- 1318 Center of 30 foot twin bushy evergreens.
- 2281 15 foot evergreen. Elevation 5 feet.
- 2282 20 foot evergreen. Elevation 5 feet.
- 2283 20 foot evergreen. Elevation 5 feet.
- 2284 20 foot evergreen. Elevation 5 feet.
- 2285 30 foot evergreen. Elevation 5 feet.
- 2286 20 foot evergreen. Elevation 5 feet.
- 2287 10 foot evergreen. Elevation 15 feet.
- 2288 4 foot evergreen. Elevation 5 feet.
- 2289 North gable of fishermen's shack.
- 2290 15 foot evergreen. Elevation 10 feet.
- 2291 20 foot evergreen. Elevation 10 feet.
- 2292 30 foot evergreen. Elevation 5 feet.
- 2293 30 foot evergreen. Elevation 5 feet.
- 2294 25 foot evergreen. Elevation 5 feet.
- 2295 50 foot evergreen. Elevation 5 feet.
- 2296 40 foot evergreen. Elevation 5 feet.

- 2297 30 foot evergreen. Elevation 5 feet.
- 2298 20 foot evergreen. Elevation 5 feet,
- 2299 30 foot evergreen. Elevation 5 feet.
- 2300 15 foot evergreen. Elevation 15 feet.
- 2340 Northeast gable of shingled barn.
- 2341 Brick chimney on white house with green trim.
- 2342 Southerly chimney on yellow house with green trimmings.
- 2343 "BRICK CHIMNEY" - Station is the brick chimney on house covered with asbestos shingles. House has two dormer windows facing water. Located on the southwestern side of Mount Desert Island, on the northeastern shore of Goose Cove, southwest of Hillcrest Cemetery, about 425 meters southeast of entrance to Webster Brook, 75 meters back of Mean High-Water Line. Recoverable Photo (Topographic) Station.
- 2344 Brick chimney at southeast gable of house. White house with green trimming.
- 2345 40 foot evergreen. Elevation 15 feet.
- 2346 20 foot evergreen. Elevation 5 feet.
- 2347 "CHURCH SPIRE" - Station is the tall white spire of the Tremont Methodist Church at West Tremont. Located along Maine State Route #102, about 10 meters from the centerline of the highway, northeast of a small wooden bridge over Tinker Brook. Recoverable Photo (Topographic) Station. Also Landmark.
- 2348 Northeasterly chimney on white house with shingled roof. Elevation 50 feet.
- 2349 Large white boulder on Mean High-Water Line.
- 2350 Southeast gable of white house with black trim and blue shutters.
- 2351 Northeasterly chimney on large white house with shingled roof and green shutters.
- 2352 40 foot evergreen. Elevation 3 feet.
- 2353 Small square shelter on small island.
- 2354 15 foot evergreen. Elevation 10 feet.
- 2355 20 foot evergreen on point of ledge. Elevation 2 feet.

- 2356 South corner of concrete swimming pool.
- 2357 20 foot evergreen. Elevation 5 feet.
- 2358 20 foot evergreen. Elevation 15 feet.
- 2359 Taller and westerly of two 15 foot evergreens. Elevation 5 feet.
- 2360 twin 15 foot evergreens. Elevation 5 feet.
- 2361 40 foot evergreen. Elevation 7 feet.
- 2362 Large white boulder, 12 feet in diameter. Elevation 2 feet.
- 2363 Northwest corner offshore end of pier.
- 2364 "WHITE CHIMNEY" - Station is the large white chimney on center portion of shingled house with green trimmings. Elevation 50 feet. Top of chimney has a metal rain shed. Located on the southwestern side of Mount Desert Island at Lodge Point. Recoverable Photo (Topographic) Station.
- 2365 15 foot evergreen. Elevation 5 feet.
- 2366 Northwest gable of shingled boat house.
- 2367 20 foot evergreen on point of ledge. Elevation 8 feet.
- 2368 Northwesterly of a group of evergreens.
- 2369 40 foot evergreen. Elevation 2 feet.
- 2370 "BRICK CHIMNEY" - Station is the brick chimney at the northwest gable of a small unpainted house with green roof. House has porch facing water. Located on the northern side of Seal Cove at the foot of Robbins Hill, about 50 meters north of centerline of unimproved road leading east to Seal Cove (Settlement). Recoverable Photo (Topographic) Station.
- 2371 30 foot evergreen. Elevation 15 feet.
- 2372 40 foot evergreen. Elevation 10 feet.
- 2373 30 foot evergreen. Elevation 5 feet.
- 2374 20 foot evergreen. Elevation 10 feet.
- 2375 "CEMENT CHIMNEY" - Station is the large cement chimney in center of shingled westerly house on point. Located on the point of land due east of Moose Island, about 15 meters east of wooden pier on stone foundation. Recoverable Photo (Topographic) Station.

- 2376 Large white boulder.
- 2377 Large grey boulder. Elevation 4 feet.
- 2378 40 foot double evergreen. Elevation 20 feet.
- 2379 Shell pile on shore. Elevation 2 feet.
- 2380 "FOUNDATION" - Station is the western corner of stone foundation about 6 feet high. Located off the western shore of Mount Desert Island about 50 meters south of the Mean High-Water Line, about 590 meters northeast of the northern tip of Moose Island. Recoverable Photo (Topographic) Station.
- 2381 15 foot evergreen. Elevation 10 feet.
- 2382 25 foot evergreen.
- 2383 15 foot evergreen on point.
- 2384 "BRICK CHIMNEY" - Station is large brick chimney on shingled house. Located on the southern side of a small cove due east of Hardwood Island, on the western shore of Mount Desert Island. Recoverable Photo (Topographic) Station.
- 2386 20 foot evergreen. Elevation 15 feet.
- 2387 25 foot evergreen. Elevation 5 feet.
- 2388 50 foot evergreen. Elevation 10 feet.
- 2390 20 foot twin evergreen. Elevation 3 feet.
- 2392 20 foot evergreen. Elevation 10 feet.
- 2393 Large white boulder on Mean High-Water Line.
- 2394 14 foot evergreen. Elevation 2 feet.
- 2395 10 foot evergreen. Elevation 5 feet. A 4 foot by 4 inch log is wedged in branches for identification.
- ✓ "CALF, 1944" - Station is a standard disc set in drill hole in large out-crop of ledge at northwest tip of Tinker Island. Ledge is about 6 feet above beach and is only high out-crop of ledge along this section of shore. Topographic (Theodolite) Station.
- ✓ "DUKY, 1944" - Station is a standard topographic disc set in drill hole in ledge on Dix Point, east of Bar Island in Blue Hill Bay. Station is on southernmost point, 9 meters south of tree line and 9 meters to High-Water Line. Topographic (Theodolite) Station.

- ✓ "HARD, 1944" - Station is standard disc set in drill hole in ledge a little southwest of the highest point on southern part of Hardwood Island. Station is on top of ridge running southwest and is on range with large boulder (6') 25 meters southeast and another very large boulder (9') downhill to southeast at edge of trees. Drain is northwest and west of station. Topographic (Theodolite) Station.
- ✓ "SONG, 1944" - Station is standard disc set in drill hole in top of small boulder at extreme northwest tip of Trumpet Island. Mark is at base of very small bluff and in only boulder in vicinity. Standard disc stamped "Song, 1944". Topographic (Theodolite) Station.
- ✓ "TINK, 1944" - Station is standard disc set in drill hole in outcrop of ledge on southeast end of Tinker Island. Station is in bare top ledge on range with High-Water Line at extreme southwest tip of island and 15 foot evergreen at edge of low marshy pond. It is about 42 meters from shed to north and about 54 meters northwest of northwest corner of rock cellar. House over cellar has been destroyed. Topographic (Theodolite) Station.
- ✓ BLUE HILL BAY LIGHT, Fl. W. 4 sec. - The station is a black skeleton tower located on the eastern side of Green Island. Recoverable Photo (Topographic) Station. Also a Non-Floating Aid to Navigation.



Section of Chart No. 307
 Published August 1945
 Washington, D.C. corrected to
 July 1950, scale 1:40,000

NAUTICAL CHARTS BRANCH

SURVEY NO. 8568

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
6/2/62	307 Ream	Norfolk Office	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
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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.