

8573

~~CONFIDENTIAL~~

1252

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric Air Photographic

Field No. _____ Office No. T-8573

LOCALITY

State Maine

General locality Coast of Maine

Locality Southern portion of Mt. Desert Island

DATE OF PHOTOS 5-26-44 & 6-4-44

1945

CHIEF OF PARTY

Fred. L. Peacock

LIBRARY & ARCHIVES

DATE

Sept 9-1948

8-1870-1 (1)

8573

R.S. 476
(T-8573)
Ph-103(52)

Foreshore and offlying shoal corrections and additions were added from low water single lens photographs taken in May and July, 1952, with the "J" camera and are shown in red on the brown line acetate reproduction of the manuscript. The photographs were ratio printed to scale permitting detail to be added without further radial plotting. Whenever 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.

Five (5) new photo-hydro stations were located on this sheet, and all are believed to be within standard map accuracy.

Some building and road revision was made, but a more complete revision must be done when time permits.

Revision completed August 1953
DTR

Respectfully submitted:

David F. Romero
Ensign, 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-8573

Quadrangle (II):

Project No. (II): CS-272 E

Field Office:

Chief of Party: Fred. L. Peacock

Air Photographic Party No. 2

Compilation Office:

Chief of Party: Fred. L. Peacock

Baltimore Photogrammetric Office

Instructions dated (II III):

Copy filed in Descriptive

April 1, 1942 (Additional)

Report No. T- (VI)

July 10, 1943 (Horizontal Control Requirements)

D. in Photogram. Office Files

March 18, April 11 & July 17, 1944 (Supplements)

August 10, 1944 (Additional - August 28, 1944 (Amendment to Additional

Completed survey received in office:

Instructions).

4 May 1945

Reported to Nautical Chart Section:

Reviewed: 8/3/45
2/4/47Applied to chart No. ³⁰⁴₃₀₈Date: 23 Oct. 1946
14 Feb. 1947

Redrafting Completed: Not redrafted

Registered: ^{July}~~2-10-45~~ 1945

Published:

Matter: cloth-backed copy No 26 1947
Vault copy only

Compilation Scale: 1:10,000

Published Scale: 1:10,000

Scale Factor (III): 1.0000

Geographic Datum (III): N.A. 1927 Datum Plane (III):

Reference Station (III): BASS HARBOR, 1863, r. 1902, r. 1934, r. 1944.

Lat.: 44° 13' 27.558" - 850.6 m Long.: 68° 20' 07.888" 175.1 m. Adjusted
~~Unadjusted~~

State Plane Coordinates (VI):

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

(Unmounted - Single Lens ratioed prints)

Number	Date	Time	Scale	Stage of Tide
C-1231 to C-1234, incl.	5/26/44	10:30 A.M.	1:10,000	4.3' at M.L.W.
C-1235 to C-1237, "	5/26/44	10:45 A.M.	1:10,000	5.0' at M.L.W.
C-1247 to C-1250, "	5/26/44	11:15 A.M.	1:10,000	6.1' at M.L.W.
C-1294 to C-1297, "	5/26/44	11:45 A.M.	1:10,000	7.4' at M.L.W.
C-1305 & C-1306	5/26/44	12:30 P.M.	1:10,000	9.1' at M.L.W.
C-1704 to C-1709, "	6/4/44	12:15 P.M.	1:10,000	4.7' at M.L.W.
C-1714	6/4/44	12:15 P.M.	1:10,000	4.7' at M.L.W.

Tide from (III): Predicted Tide Tables, Atlantic Ocean 1944. Reference Station Eastport, Maine, with corrections to Bass Harbor, Mt. Desert Island, Me.
Mean Range: 10.2 feet Spring Range: 11.6 feet

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. & Nov. 1944

Field Edit by: — date:

Date of Mean High-Water Line Location (III): As of the photographs taken on May 26, and June 4, 1944, supplemented by the field data obtained during September and November 1944.

Projection and Grids ruled by (III) S.R. (Washington Office) date: Jan. 7, 1945

" " " checked by: Unknown date: Unknown

Control plotted by: A. LaFave date: Jan. 1945

Control checked by: H. Eichert date: Jan. 1945

Radial Plot by: W. E. Schmidt & L. C. Lande date: Jan. 1945

Detailed by: F. M. Hammond (Shoreline & immediate adjacent culture - rough draft) date: Mar. 16, 1945 to April 23, 1945

Reviewed in compilation office by: A. L. Goncharsky date: April 23 to 27, 1945

Elevations on ~~Field Edit Sheet~~ ^{Map Manuscript} checked by: H. K. Brinker H. W. Thune

date: 8/3/45 2/4/47

STATISTICS (III)

Land Area (Sq. Statute Miles): 4.0

Shoreline (More than 200 meters to opposite shore): 13.5 statute miles

Shoreline (Less than 200 meters to opposite shore): 4 statute miles

Number of Recoverable Topographic Stations established: * 11

Number of Temporary Hydrographic Stations located by radial plot: 68**

Number of bench Marks shown on Map Drawing: 1 - position radially plotted.

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: * Nine of these were located by the radial plot. One was located by ground-survey methods. The remaining one was located by planetable directions and stadia distances from a set-up over a well defined picture point which was subsequently located by the radial plot.

** Three located by planetable directions and stadia distances from a set-up over a well defined picture point which was subsequently located by the radial plot.

FIELD REPORT
SURVEY No. T-8573

COAST OF MAINE
VICINITY OF MOUNT DESERT ISLAND
PROJECT No. CS-272-E

1 DESCRIPTION OF THE AREA:

The area of Survey No. T-8573 covers an area in the southern portion of Mount Desert Island, Maine.

The shoreline consists mainly of ledge rock, with ledge rock, boulders, gravel, and sand in the foreshore area. Bordering the shoreline are coniferous trees, grass, brush, and several stretches of bluff.

The terrain is quite irregular.

2 COMPLETENESS OF FIELD INSPECTION:

The field inspection of the shoreline, offshore features, and horizontal control is complete except for offlying charted submerged reef areas, and rocks awash, which were not revealed by the photography. Also several stretches of the Mean Low-Water Line were not delineated during the field inspection because of unfavorable weather conditions. The charting detail for these features can best become available during the accomplishment of 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:

One additional horizontal ground control station, Lop, 1944, for the area of this Survey was established in accordance with the instructions for Project No. CS-272-E. Observations were made with a 7" Berger Theodolite. The station was marked with a standard topographic disc.

Intersection Triangulation Station CRANBERRY ISLAND CHURCH SPIRE, 1863 - Original spire destroyed. New belfry built in approximately same position. Satisfactory for topographic use.

Form No. 526, "Recovery Note", has been submitted for all of the triangulation stations within the area of the Survey

5 VERTICAL CONTROL:

Tidal Bench Mark No. 4 (1911), Bass Harbor, Maine, was identified and pricked on photograph No. 1296.

Tidal Bench Marks Nos. 3 and 5 (1911), Bass Harbor, Maine, were recovered but not identified on any of the photographs

Report on Condition of Bench Mark, Form No. 685, has been submitted.

6 DRAINAGE:

The intersection of streams with the Mean High-Water Line has been indicated by notes on the field photographs. No delineation was shown.

7 MEAN HIGH-WATER LINE:

All of the Mean High-Water Line was inspected from a dingy 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 the grass line, tree line, or some other well defined picture reference point.

Alongshore rocks, and offshore rocks and islets above the plane of Mean High-Water revealed by photography have been identified on the field photographs with elevations 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. Several stretches of the Mean Low-Water Line, however, were not delineated because of unfavorable weather conditions. The position of the Mean Low-Water Line, as delineated, is approximate.

9 WHARVES AND SHORELINE STRUCTURES:

The several piers and cribbings situated in Bass Harbor have been identified on the field photographs.

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

All offshore rock ledge areas, rocks, and islets, revealed by photography were identified. The extents to which they uncovered or bared at the time of field inspection, with the time and date, have been noted on the field photographs.

10 DETAILS OFFSHORE FROM THE MEAN HIGH-WATER LINE: (Continued)

A number of lobster cars situated in Bass Harbor have been identified on the field photographs.

11 LANDMARKS AND AIDS TO NAVIGATION:

"TANK", elevated - New landmark recommended for charting. *Letter 215 (1945)*

BASS HARBOR HEAD LIGHTHOUSE, and SOUTH BUNKER LEDGE BEACON -
Charted fixed aids to navigation - existence verified -
identified on field photographs.

12 HYDROGRAPHIC CONTROL:

11 Recoverable Topographic Stations.
68 Temporary Hydrographic Stations.
Descriptions have been furnished.

14 ROAD CLASSIFICATION:

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

15 BRIDGES:

Two small bridges situated near Bass Harbor Marsh. Identified on the field photographs.

18 GEOGRAPHIC NAMES: *814*

No investigation.

COMPILATION REPORT
MAP DRAWING, SURVEY No. T-8573

COAST OF MAINE
SOUTHERN PORTION OF MOUNT DESERT ISLAND
PROJECT No. CS-272

26 CONTROL:

The horizontal control shown on the Map Drawing for Survey No. T-8573 consists of six stations. They are as follows:

Four within detail limits

<u>Name of Station</u>	<u>Type of Station</u>
✓ BASS HARBOR, 1863, r. 1902, r. 1944	Triangulation
✓ BASS HARBOR HEAD LIGHTHOUSE, 1861, r. 1944	Triangulation (Intersection)
Lop, 1944	Topographic <i>no fm 524 5128</i>
SOUTHWEST HARBOR CHURCH SPIRE, 1863, r. 1944	triangulation (Intersection)

Two just outside detail limits

<u>Name of Station</u>	<u>Type of Station</u>
*CRANBERRY ISLAND CHURCH SPIRE, 1863, r. 1944	Triangulation (Intersection)
Duky, 1944	topographic

* Original object destroyed. New belfry built in approximately the same location. Held to in radial plot.

27 RADIAL PLOT:

The radial plot for the area of the Survey is part of a combined plot made at the Washington Office with celluloid templates. Satisfactory results were obtained.

The facts concerning the radial plot for the area of this map Drawing have been fully brought out in the Radial Plot report for the areas of Surveys Nos. T-8554 to T-8556 inclusive, T-8568 to T-8573 inclusive, and T-8585, attached to the Descriptive Report for Map Drawing, Survey No. T-8572 previously submitted.

28 DETAILING:

The photography, field data, horizontal ground control, and inter-

28 DETAILING: (Continued)

mediate radially plotted control points available for the compilation were adequate.

29 MEAN HIGH-WATER LINE:

Detailed in accordance with the field data and shown with a continuous heavy-weight black acid ink line.

The outer limits of marsh areas bordering the Mean High-Water Line have also been detailed in accordance with the field data and shown with a continuous light-weight black acid ink line.

30 MEAN LOW-WATER LINE:

Detailed in accordance with the field data and shown with a dotted black acid ink line. The position is approximate.

31-A FORESHORE AREAS:

The foreshore areas shown consist of rock ledge, boulders, detached rocks, and sand and gravel beaches. Detailed in accordance with the field data.

31-B SHOAL LINES:

Detailed in accordance with the field data and the Compilation Office interpretation of the photographs and is for the advance information of the Hydrographic Parties only. Outline is approximate. Shown with a long dashed black acid ink line accompanied by the note "Shoal".

31-C REEF LINES:

Detailed in accordance with the Compilation Office interpretation of the photographs. Outline is approximate. Shown with a short dashed black acid ink line accompanied by the note "Reef".

Removed during supplemental review (See Rev. Rept.)

32 DETAILS OFFSHORE FROM THE MEAN HIGH-WATER LINE:

The offshore details consist of rocks, reefs, islets, shoal areas, and a number of floating lobster cars. Except for the shoal and reef areas all of these details shown are in accordance with the field data.

33 WHARVES AND SHORELINE STRUCTURES:

Several piers and cribbings situated in Bass Harbor have been shown.

34 LANDMARKS, AND FIXED AIDS TO NAVIGATION:

One new landmark, "TANK", elevated - position determined by the radial plot. Form No. 567 has been submitted. *Letter 215 (1945)*

Two previously charted fixed aids to navigation. Position of BASS HARBOR HEAD LIGHTHOUSE determined by triangulation in 1861. Position of SOUTH BUNKER LEDGE BEACON determined by the radial plot. Form No. 567 has been submitted for the latter because the charted position is in disagreement with the position determined by the radial plot.

35 HYDROGRAPHIC CONTROL:

11 Recoverable Topographic Stations - 9 located by the radial plot, 1 by radial plot and planetable data, and 1 by ground survey methods. Form No. 524 has been submitted.

68 Temporary Hydrographic Stations - 65 located by radial plot, 3 by radial plot and planetable data.

A list of their descriptions is attached to this report.

37 BRIDGES:

Two small bridges situated near Bass Harbor Marsh have been shown.

38 GEOGRAPHIC NAMES: *814*

Taken from Nautical Chart No. 308 and United States Quadrangle Maps.

A list of the names is attached to this report.

39 JUNCTIONS:

The junctions of details with Map Drawing, Surveys Nos T-8572 to the south, and T-8586 to the east have been made and are in agreement.

When Surveys Nos. T-8568 to the west, and T-8574 to the north, are compiled, junctions of details will then be considered. *OK*

The junction area with Survey No. T-8569 to the west is an all-water area. *not avail.*

40 POSITION ACCURACY OF IMPORTANT PLANIMETRIC DETAILS:

Believed to be within 0.5 mm.

41 RECOMMENDATIONS FOR FUTURE SURVEYS:

Map Drawing, Survey No. T-8573 is complete with respect to all details necessary for charting, except those noted as incomplete under Side Heading No. 45. The incomplete details will become available on completion of contemplated hydrographic surveys. Notes have been prepared calling attention of the hydrographer to these details.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

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

The following features which appear on the quadrangle have not been shown on the Map Drawing because no data were available:

Marsh area and trail $\frac{1}{2}$ mile north of Lopaus Point.

Bench Mark No. 6 situated on the western shore of Bass Harbor.

Marshy areas north of Mitchell Marsh and west of Baldwin Corners.

Trail just north of Bennet Cove (double dash line road shown on the Map Drawing)

The following details have been shown on the Map Drawing but do not appear on the Quadrangle:

Road at latitude $44^{\circ} 15'$ and longitude $68^{\circ} 23' 40''$.

Small stagnant pond at latitude $44^{\circ} 14' 42''$ and longitude $68^{\circ} 22' 20''$.

Road at latitude $44^{\circ} 14' 22''$ and longitude $68^{\circ} 22'$.

More roads have been shown in the area north of Lopaus Point than appear on the quadrangle.

Small pond at latitude $44^{\circ} 14'$ and longitude $68^{\circ} 18' 33''$.

Six small ponds in the marsh just north of Seawall Pond.

Pier at latitude $44^{\circ} 14' 10''$ and longitude $68^{\circ} 21' 25''$.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES: (Continued)

Pier at latitude $44^{\circ} 14' 17''$ and longitude $68^{\circ} 21' 10''$.

Pier at latitude $44^{\circ} 14' 39''$ and longitude $68^{\circ} 21' 18''$.

Pier at latitude $44^{\circ} 14' 20''$ and longitude $68^{\circ} 20' 50''$.

Pier at latitude $44^{\circ} 14' 30''$ and longitude $68^{\circ} 21' 12''$.

The shape and size of Long Ledge as shown on the Map Drawing is in disagreement with the quadrangle.

The positions and number of buildings appearing on the quadrangle are in disagreement with those shown on the Map Drawing.

The geographic name "Sea Wall Point" shown on the Map Drawing is shown on the quadrangle as "Seawall Point".

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

The following features appear on the quadrangle but have not been shown on the Map Drawing, because no data were available:

Bench Mark No. 44 and Bench Mark No. 66.

Marsh area just east of Duck Cove.

The following features have been shown on the Map Drawing, but do not appear on the quadrangle:

Several stagnant ponds in the marsh just south of Kings Point.

Trail in the immediate vicinity of Tremont.

Private road at latitude $44^{\circ} 15' 10''$ and longitude $68^{\circ} 17' 40''$.

Pier at latitude $44^{\circ} 15' 21''$ and longitude $68^{\circ} 21' 10''$.

Pond and drainage from it at latitude $44^{\circ} 15' 30''$ and longitude $68^{\circ} 21' 08''$.

Water area and two dams at latitude $44^{\circ} 15' 50''$ and longitude $68^{\circ} 21''$.

45 COMPARISON WITH NAUTICAL CHARTS:

Chart No. 308, scale 1:40,000, published at Washington, D. C., December 1942, corrected to April 7, 1945, North American 1927 Datum.

The following features shown on the Map Drawing have not been charted:

Buildings.

Several stretches of dirt bluff.

Marsh area and four small stagnant ponds just south of Kings Point.

Rock awash and bare rock just offshore from Sea Wall Point.

Marsh area around Seawall Pond.

Marsh area one mile southwest of Sea Wall Point.

Two rocks awash in a small cove just southwest of Bennet Cove.

Detached bare rock just north of Sawyers Island.

Small rocky islet awash at Mean Low-Water in Mitchell Cove.

Two bare rocks and one rock awash near the entrance to Mitchell Marsh.

Rock awash at latitude $44^{\circ} 15' 30''$ and longitude $68^{\circ} 17' 41''$.
Ledge has been charted.

Rock awash at latitude $44^{\circ} 14' 35''$ and longitude $68^{\circ} 17' 55''$.

Rock awash at latitude $44^{\circ} 14' 22''$ and longitude $68^{\circ} 18' 08''$. 03'

Rock awash at latitude $44^{\circ} 14' 10''$ and longitude $68^{\circ} 18' 08''$. 03'

Pond and marsh at latitude $44^{\circ} 14'$ and longitude $68^{\circ} 18' 34''$.

Detached bare rock at latitude $44^{\circ} 13' 28''$ and longitude $68^{\circ} 19' 18''$.

Bare rock at latitude $44^{\circ} 13' 28''$ and longitude $68^{\circ} 19' 45''$.

Rock awash at latitude $44^{\circ} 13' 30''$ and longitude $68^{\circ} 19' 40''$.

Rock awash at latitude $44^{\circ} 13' 27''$ and longitude $68^{\circ} 19' 53''$.

Three bare rocks at latitude $44^{\circ} 13' 25''$ and longitude $68^{\circ} 19' 56''$.

45 COMPARISON WITH NAUTICAL CHARTS: (Continued)

Pier at latitude $44^{\circ} 14' 20''$ and longitude $68^{\circ} 20' 50''$.

Ledge at head of Bass Harbor.

Pier at latitude $44^{\circ} 14' 38''$ and longitude $68^{\circ} 21' 18''$.

Pier at latitude $44^{\circ} 14' 30''$ and longitude $68^{\circ} 21' 12''$.

Three bare rocks and one rock awash at latitude $44^{\circ} 14' 15''$ and longitude $68^{\circ} 21' 08''$. Three rocks awash have been charted.

Pier at latitude $44^{\circ} 14' 10''$ and longitude $68^{\circ} 21' 25''$.

Rock awash at latitude $44^{\circ} 14' 05''$ and longitude $68^{\circ} 21' 37''$.

Rock awash at latitude $44^{\circ} 14'$ and longitude $68^{\circ} 21' 38''$.

Rock awash at latitude $44^{\circ} 13' 47''$ and longitude $68^{\circ} 22' 06''$.

Rock awash and bare rock at latitude $44^{\circ} 13' 46''$ and longitude $68^{\circ} 22' 08''$.

Rock awash at latitude $44^{\circ} 14' 20''$ and longitude $68^{\circ} 22' 04''$.

Five rocks awash at the head of Duck Cove.

Road on the eastern shore of Duck Cove.

Road at latitude $44^{\circ} 14' 50''$ and longitude $68^{\circ} 22' 28''$.

Pond at latitude $44^{\circ} 15' 30''$ and longitude $68^{\circ} 21' 10''$.

Northwestern portion of Bass Harbor Marsh.

Water area and two dams at latitude $44^{\circ} 15' 50''$ and longitude $68^{\circ} 21'$.

Roads at McKinley.

Swamp at latitude $44^{\circ} 13' 45''$ and longitude $68^{\circ} 19'$.

Road at latitude $44^{\circ} 13' 50''$ and longitude $68^{\circ} 18' 50''$.

Road at latitude $44^{\circ} 13' 53''$ and longitude $68^{\circ} 18' 45''$.

Pond at latitude $44^{\circ} 14'$ and longitude $68^{\circ} 18' 34''$.

Pond at latitude $44^{\circ} 14' 13''$ and longitude $68^{\circ} 18' 33''$.

45 COMPARISON WITH NAUTICAL CHARTS: (Continued)

Several roads at latitude $44^{\circ} 14' 20''$ and longitude $68^{\circ} 18' 25''$.

Six small ponds just north of Seawall Pond.

Several roads in the area between Kings Point and Seawall Pond.

The following charted features have not been shown on the Map Drawing, because no data were available. Charting data will become available on completion of contemplated hydrographic surveys:

Rock awash on Flynns Ledge and the area of Flynns Ledge. The geographic name Flynns Ledge has been shown on the Map Drawing to indicate the area.

Rock awash just northeast of Bennet Cove.

Rock awash just offshore from the village of McKinley.

Three rocks awash just south of Sawyers Island. Rock ledge area and two bare rocks have been shown on the Map Drawing in approximately the same area.

Rock awash just northeast of Johns Island.

Rock awash in the upper reaches of Duck Cove.

Three rocks awash just north of Great Gott Island.

Area known as Bass Harbor Bar. The geographic name, however has been shown on the Map Drawing to indicate the area.

Three cable crossing areas.

Road at latitude $44^{\circ} 15' 20''$ and longitude $68^{\circ} 21'$.

The dam appearing on the chart at latitude $44^{\circ} 15' 08''$ and longitude $68^{\circ} 21'$ is now in ruin.

In general, the extents of the rock ledge areas shown on the Map Drawing are greater than those appearing on the chart.

Respectfully Submitted,
April 30, 1945

Walter E. Schmidt
Walter E. Schmidt,
Photogrammetric Engineer

Approved and Forwarded,
May 4, 1945

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-8573

Subjects not used in this review report have been adequately covered in other parts of the descriptive report.

26 CONTROL

No difficulty was encountered in holding to the control.

27 RADIAL PLOT

The radial plot for the area of this survey is part of a combined plot made in the Washington Office. A partial check of this plot was made, and it was found to be satisfactory. The check was partial, because only fifty percent of the office photos for this manuscript were available to the reviewer.

28. DETAILING

(See Supplemental Review Report)

About one mile southwest of Sea Wall Point the U. S. Navy operates a radio station. On field inspection photograph 1248 a diagram indicates five steel towers of which four are designated as signals. These four were indicated by the standard symbol on the manuscript, but no mention was made of the fifth tower. The fifth tower was added during review, and it has been shown by a small red ink circle.

A large swamp located west and southwest of the Navy Radio Station was not included in the compilation. Since T-8573 is a shoreline sheet it was probably considered to be too far inland. However, a portion of the southern end near Ship Harbor has been detailed by the reviewer.

Nearly all the bluff symbol shown on the manuscript has been detailed during review.

Field Inspection: In general the field inspection was adequate. However, a few more road classifications would be desirable

29. MEAN HIGH WATER LINE:

Detailed in accordance with the field data.

34. LANDMARKS & FIXED AIDS TO NAVIGATION

One new landmark has been submitted (Chart Letter 215, 1945)

Two fixed aids are shown on the manuscript. Both have been previously charted. (See paragraph 34, Descriptive Report)

39. JUNCTIONS

The map drawing for Survey T-8568 is still in process of compilation. Junction between that sheet and T-8573 will be made when T-8568 is reviewed.

43. COMPARISON WITH PREVIOUS TOPOGRAPHIC SURVEYS:

T-1244	1/10000	1871	T-1281	1/10000	1872
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The latter survey indicated a bluff along considerable stretches of shoreline. This was verified by stereoscopic examination of the photographs. All the bluff symbol shown in red acetate ink has been added during review. Elevations for these bluffs had been shown on the field inspection photographs, but actual limits of the bluffs were not indicated.

44. COMPARISON WITH QUADRANGLES:

U.S.G.S. 15' series	Mount Desert, Me.	1/62500	ed. 1942
" " "	Swans Island, "	" "	" 1945.

See paragraph 44 in the descriptive report for detailed comparison. T-8573 supersedes these quadrangles for all common detail.

45. COMPARISON WITH NAUTICAL CHARTS:

See paragraph 45 in the descriptive report for detailed comparison.

306	1/40000	March 1942	308	1/40000	Dec. 1942
307	1/40000	Aug. 1943	1202	1/60000	May 1932

This manuscript has not been applied to charts as of the date of review.

Reviewed by

H. R. Brooks
H. R. Brooks, 3 Aug. 1945
APPROVED BY:

Under the direction of

R. M. Berry 8/13/45
Chief, Review Section

B. G. Jones 7/45
Technical Assistant to the
Chief, Div. of Photogrammetry

H. C. Johnston
Chief, Nautical Chart Branch
Division of Charts

K. T. Adams
Chief, Div. of Photogrammetry

C. K. Green
Chief, Div. of Coastal Surveys

DIVISION OF PHOTOGRAMMETRY
Supplemental Review Report for
Shoreline Survey Manuscript T-8573

A supplemental review of T-8573 was made in order to bring all the sheets in Project CS 272E into agreement.

Only minor corrections were made:

Offshore rock heights were changed to conform to Photogrammetry Instructions No. 3, dated Dec. 23, 1946.

A dashed line outside the ledge and low water lines to indicate "reef" and "shoal" had been put on the manuscript from office interpretation of photographs. Comparison with existing nautical charts disclosed that this line showed no consistency with respect to soundings, therefore the line was removed from the map manuscript.

None of the changes made during this reexamination effect the charts to which this manuscript has been applied, except for the new delineation of foul areas at Latitude 44° 14' Longitude 68° 17' as shown in red on the manuscript and this involves only a change in shape.

single-lens taken in the spring and summer of 1944
All photographs covering Mt. Desert Island, Maine and vicinity were originally classified by the Navy Department as "Secret." KTA

By authority of the Security Classification Map, dated 16 December 1946, all restrictions on the usage of photographs covering the area of this map were lifted except for photograph numbers:

43-C-118	44-C-1235	44-C-1248	44-C-1705
	44-C-1236	44-C-1249	44-C-1706
		44-C-1250	44-C-1707

which cover the U. S. Naval Supplementary Radio Station, Mansett (Seawall) at approximately Lat. 44° 14.4', Long. 68° 18.7'. These photographs have been declassified from "Secret" to "Confidential."

The registered vault copy of the map manuscript and the descriptive report have been stamped "Confidential."

Supplemental review by

H. W. Thune, per L. F. S.
H. W. Thune, *by S. V. G.*
Photogrammetrist, 4 Feb. 1947

Harold R. Brooks
Harold R. Brooks *Sur.*
23 July 1948

GEOGRAPHIC NAMES
(Undisputed)

Taken from Nautical Chart No. 308

- Bass Harbor
- Bass Harbor Bar
- Bass Harbor Head
- Bennet Cove
- Bernard (village)
- Blue Hill Bay
- Duck Cove
- Flynn's Ledge
- Long Ledge
- Lopus Point

- Marshall Brook
- McKinley (village)
- Mitchell Cove
- Mount Desert Island
- Seawall (village)
- Ship Harbor
- South Bunker Ledge
- Tremont
- Weaver Ledge
- Western Way

(Undisputed)

Taken from United States Geological Survey,
Swan Island, Maine, Quadrangle Map

- Anne Point
- Baldwin Corners
- Johns Island

- Mitchell Marsh
- Sawyers Island
- Seawall Pond

Taken from United States Geological Survey,
Mt. Desert, Maine, Quadrangle Map

- Adams Bridge
- Bass Harbor Marsh
- Buttermilk Brook

(Disputed)

Chart No. 308

- Sea Wall Point

United States Geological Survey,
Swan Island, Maine, Quadrangle Map

Seawall Point

• State No. 102

• Bass Harbor Marsh

Names preceded by - are
approved. L. text 7/15/47
GEOGRAPHIC NAMES

1944
 IDENTIFICATION REPORT
 HORIZONTAL CONTROL
 MAP DRAWING, SURVEY No. T-8573
 Project No. CS-272

<u>Station</u>	<u>U.S.G.S. Quadrangle</u>	<u>Recovery Data</u>	<u>Pricking Data</u>
BASS HARBOR, 1863	Swan Island *Bass Harbor Head L.H., 1861, near by.	Recovered	*Not Pricked
BASS HARBOR HEAD LIGHT- HOUSE, 1861	Swan Island	Recovered	Positive
HOUSE NEAR SEAWALL, CHIMNEY, 1863	Swan Island	Lost	
Lop, 1944	Swan Island	New Station	Positive
LOPAUS POINT, DEAD TREE, 1863	Swan Island	Lost	
Duky, 1944	Mount Desert	New Station	Positive
CRANBERRY ISLAND, CHURCH SPIRE, 1863	Mount Desert **Spire replaced by belfry. Belfry was pricked and is satisfactory for topographic use.	Lost	**Positive
SOUTHWEST HARBOR CHURCH SPIRE, 1863	Mount Desert	Recovered	Positive

NOTES
FOR
REVIEWER

MAP DRAWING, SURVEY No. T-8573
COAST OF MAINE
PROJECT No. CS-272

All details have been shown with the conventional symbols.

The small blue ink circles are the positions of well defined picture points determined by the radial plot considered very strong.

The small green ink circles are the positions of well defined picture points determined by the wide angle intersections of two radials or the slim angle intersections of three or more radials considered fairly strong and within the satisfactory limit of accuracy.

The large blue ink circles are the very strong positions of the photograph centers determined by the radial plot. The large green ink circles are the fairly strong positions of the photograph centers determined by the radial plot considered to be within satisfactory limit of accuracy.

The 2 $\frac{1}{2}$ mm. black acid ink circles are the positions of the Recoverable Topographic Stations and the positions of the temporary hydrographic Stations. Circles accompanied by a three or four letter name and date (1944) are the positions of Recoverable Topographic Stations located by ground-survey methods during the 1944 field season. The positions of all other hydrographic control stations were determined by the radial plot or by planetable survey. See Side Heading No. 35 in Descriptive Report.


The very small black acid ink circles are the positions of well defined picture points identified and located by ground-survey methods by the Field Unit to substitute for triangulation stations or marked topographic stations in controlling the radial plot. The circles are accompanied by the letters "F.I.P."

The photographs contain no appreciable tilt or differential distortions.

The scales of the photographs and the Map Drawing were in fairly good agreement. Use of the vertical projector was not necessary.

Respectfully Submitted,
April 30, 1945

Approved
May 4, 1945


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


Walter E. Schmidt,
Photogrammetric Engineer

29 March 1950

Rear Admiral K. T. Adams
Acting Director
U.S. Coast and Geodetic Survey
Department of Commerce

Dear Admiral Adams:

Reference is made to your memorandum, file No. 734-rs, dated 5 January 1950, forwarding ten (10) maps for security clearance, and to my memorandum dated 6 March 1950, which returned three (3) maps on which action had been completed.

Returned herewith are the following additional maps on which no deletions are necessary:

T-8573 Mount Desert Island, Maine
T-8587 Schoodic Peninsula, Maine
T-9175 Corpus Christi, Texas

The three maps outstanding will be forwarded to your agency as soon as they are received from the Army Area commanders to whom they were sent for examination.

Sincerely,

4 Incls

1. Map No. T-8573
2. Map No. T-8587
3. Map No. T-9175
4. Map No. T-8925

J. PAUL BREDEN
Colonel, OSC
Acting Chief, Security & Training Division
Office of the Assistant Chief of Staff, G-2

COAST OF MAINE
PROJECT No. CS-272-B

DESCRIPTIONS OF THE RECOVERABLE TOPOGRAPHIC STATIONS
AND TEMPORARY HYDROGRAPHIC STATIONS FOR THE AREA OF
MAP DRAWING, SURVEY No. T-8573

NUMBER OF RECOVERABLE TOPOGRAPHIC STATIONS.....	11
NUMBER OF TEMPORARY HYDROGRAPHIC STATIONS.....	<u>68</u>
TOTAL NUMBER OF STATIONS	79

Notations such as (15') listed in the descriptions
indicate the elevation of the station above the High-
Water Mark.

Listed By: Florence M. Hammond
Florence M. Hammond,
Photogrammetric Aid

Checked By: Harry E. Rudolph
Harry E. Rudolph,
Photogrammetric Aid

- 1106 Southwest corner of rock pier. (6')
- 1107 Center of water filled depression just in ledge. Pieces of ledges piled in center to aid recovery (3')
- 1307 White Chimney, Northeast Gable House, 1944 - Station is the white chimney on the center of the ridge near the northeast gable of white, 2-story house. Located at the head of Duck Cove, 140 meters back of Mean High-Water Line, 30 meters southwest of bend in road and 40 meters north of the largest (double decker) chicken house. Recoverable Topographic Station. — (90')
- 1308 Base of 40' Evergreen. (20')
- 1309 Southeast corner of small pier.
- 1310 Chimney at west gable of old unpainted 2-story house. (55')
- 1311 South gable of small shingled shack. (10')
- 1319 Southwest gable of white shingled house. (30')
- 1320 Chimney, Red Roofed House, 1944 - Station is the chimney of a red-roofed, $1\frac{1}{2}$ story white house, located on the southwestern side of Mt. Desert Island, on the eastern side of Duck Cove, 1200 meters east of Nutter Point, $1\frac{1}{2}$ miles north northwest of Lopus Point, 400 meters southeast of the rounding point at east entrance to Duck Cove, inshore from the eastern end of a gravel and boulder beach, 50 meters inshore from the Mean High-Water Line, and at the northwest side of woods. Chimney is on ridge of roof. Recoverable — Topographic Station. (50')
- 1321 Southeast gable of brown shingled one-story house. (20')
- 1322 12' Evergreen. (8')
- 1323 South Corner of small white shingled shack. (20')
- 1324 Southwest gable of white two-story house. (60')
- 1325 40' Evergreen. (10')
- 1326 Tallest brick chimney (house has burned down). (35')
- 1327 Stone Chimney, Center of House, 1944 - Station is a large stone chimney in the center of a one-story, unpainted summer house, located on the point on the southern side of Mitchell Cove, which is about $\frac{3}{4}$ mile north of Lopus Point on the southwestern side of Mt. Desert Island. house is right on point about 15 meters back of the Mean High-Water Line. Recoverable Topographic Station. (25')

- 1328 · Base of 30' leaning evergreen. (Tree leaning out over beach). (5')
- 1329 · 15' Evergreen. (5')
- 1330 · Center of boulder 3' above Mean High-Water. Black topped. (3')
- 1331 · 25' evergreen northwesterly of three closely grown evergreens. (10')
- 1332 · South gable of log cabin. (35')
- 1333 · 35' evergreen. (5')
- 1334 · 30' evergreen. (5')
- 1335 · Center of offshore end of pier. *remains of pier*
- 1336 · Southeast gable of house on dock. (20')
- 1337 · Northeast gable of unpainted boathouse (25')
- 1338 · Brick chimney in center of yellow two-story house. (35')
- 1339 · Northwest Gable, White House, 1944 - Station is the northwest gable of a 1½ story white house, located in the upper reaches of Bass Harbor, about 3/4 mile north of the docks at McKinley, 280 meters southeast of small concrete bridge across Marshall brook, 80 meters south of main road and 21 meters back of Mean High-Water Line. Recoverable Topographic Station. (35')
- 1340 · Northwest corner of offshore end of pier.
- 1341 · 20' Evergreen. (10')
- 1342 · Cupola in center of unpainted barn. (70')
- 1343 · Evergreen. (10')
- 1344 · Southwest corner of tarpapered shack. (Moved?) (5')
- 1345 · Brick chimney in center of yellow one-story house. (30')
- 1346 · West gable of brown shingled fish house on inshore end of pier.
- 1347 · Shell gasoline pump on northwest corner of offshore end of pier. *(pier extended?)*
- 1347a · Stack *reference is to more northerly of two large tanks*
- 1348 · ELEVATED TANK, 1944 - Station is a very conspicuous large water tank, about 100 feet high, on the southern edge of McKinley on Mt. Desert Island. It is about 30 meters back of the Mean High-Water Line. Recoverable Topographic Station and Landmark. (120') —
- 1349 · 50' evergreen, two smaller evergreens growing close to base. Tree is on edge of bluff. (Dest?) (10')
- 1349a · Brush projecting north into road and near bluff.

- 1350 . 20' Evergreen. (*dest?*) (30')
- 1350a Chimney on center of ridge of small house.
- 1351 . 35' Evergreen on edge of bank. (5')
- 1352 . 14' Evergreen. (20')
- 1353 . Group of closely grown 10' evergreens. (20')
- 1354 . Tall dead tree (15')
- 1355 . 40' evergreen. (10')
- 1356 . 15' Evergreen. (10')
- 1357 . Center of clump of evergreens. (10')
- 1358 . Evergreen. (10')
- 1359 . Chimney at Center of Building, 1944 - Station is the chimney on the largest building (one-story, dark brown color) at the Naval Radio Station located about 2½ miles south of Southwest Harbor. Building is the most westerly of the group, is 20 meters north of the road, and 190 meters north of the shoreline. Recoverable Topographic Station. (*destroyed?*) (50')
- 1360 . Chimney on low building, nearest beach, on U. S. Government Property. (*destroyed?*) (45')
- 1361 . South gable, long cottage on beach. (*destroyed?*) (35')
- 1362 . 30' Evergreen. (10')
- 1363 . 24' Evergreen. (*destroyed?*) (10')
- 1364 . Large stone chimney on house. (45')
- 1365 . Chimney East End of House, 1944 - Station is the tall chimney on the eastern end of a two-story, white house on Sea Wall Point. It is about 35 meters back of the Mean High-Water Line. Recoverable Topographic Station. (50')
- 1366 . Chimney at north gable of large two-story white house. (50')
- 1366a Southerly and smaller of 2 lone evergreens.
- 1633 . Telephone pole with transformer.
- 1634 . 20' Evergreen.
- 1635 . Tall Evergreen.
- 1636 . Dead Evergreen.
- 1637 . Lone Evergreen.

- 2262 · South Bunker Ledge beacon, 1944 - Station is the red spindle beacon on South Bunker Ledge, which is at the southern end of Western Way. Station is one mile southwest of Great Cranberry Island. Recoverable Topographic Station and Fixed Aid to Navigation. (20')
- 2320 · 30' Evergreen. (Bent to the east). (10')
- 2321 · 15' Evergreen. (3')
- 2322 · 35' Evergreen on a small point. (1')
- 2323 · 25' Evergreen on High Water Line.
- 2324 · East corner off shore end of pier.
- 2325 · 25' Evergreen. (6')
- 2326 · Chimney on brown, $1\frac{1}{2}$ story lap board house with shingled roof.
- 2327 · 25' overhanging tree.
- 2328 · North chimney of L-shaped, lap board house painted brown with green roof.
- 2329 · 25' twin evergreen.
- 2330 · Chimney in center of $1\frac{1}{2}$ story white house with shingled roof.
- 2331 · Chimney in center of white one-story house.
- 2432 · Stone Chimney, White Cottage - Station is the large stone chimney on a white shingled summer cottage with black roof and black trimmings. It is about 25 meters west of the Mean High-Water Line and one mile south of Southwest Harbor. Recoverable Topographic Station.
- 2583 · Northwest tall steel radio tower. (200')
- 2584 · Northeast Tall Steel Radio Tower, 1944 - Station is northeasterly of four tall steel radio towers at the Naval Radio Station located on U. S. Government Property, about one mile southwest of Sea Wall Point. (CONFIDENTIAL). Recoverable Topographic Station. (200')
- 2585 · Southeast tall steel radio tower. (200')
- 2586 · Southwest tall steel radio tower. (200')

Lop, 1944 - Station is a standard topographic disc stamped "Lop, 1944", set in drill hole in ledge rock, located on Lopus Point, which forms the western side of Bass Harbor. Station is on the most southerly tip of point, 15.9 meters south-

Lop, 1944 (Continued)

southwest of center of south side of log cabin, 2.7 meters west of extended line of west side of log cabin, 2 meters southwest of gnarled 24" evergreen tree, and 10 meters back of Mean High-Water Line. Recoverable Topographic Station.

*Fm. 524 for "Lop" was not found in the files at date of registration
(LTS
Feb 1948)*

NAUTICAL CHARTS BRANCH

SURVEY NO. T8573

Record of Application to Charts

[illegible]

M-216A-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.