

8575

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 Photographic
(Shoreline)

Field No. _____ Office No. T-8575

LOCALITY

State Maine

General locality Mount Desert Island

Locality Somes Sound

1945

CHIEF OF PARTY

Fred. L. Peacock

LIBRARY & ARCHIVES

DATE May 13 - 1948

B-1870-1 (1)

8575

R.S. 473
(T-8575)
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 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.

Nine (9) new photo-hydro stations were added where believed necessary.

It is believed that the above revisions and additions are of standard map accuracy.

No building or road revision was made at this time.

*Building and road revision made July 1953
DTR*

Respectfully submitted:

David F. Romero
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- 8575

Quadrangle (II);

Project No. (II): CS-272E

Field Office:

Air Photographic Party No. 2

Chief of Party:

Fred. L. Peacock

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, & July 17, 1944 (Supplemental)

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

Completed survey received in office;

5 June 1945

Copy filed in Descriptive

Report No. T- (VI)

Dir. Photogram Office Files

Instructions)

Reported to Nautical Chart Section;

Reviewed:

8/14/45

Applied to chart No.

Date:

2/5/47

Redrafting Completed; *Not redrafted*

Registered:

March
~~27 Feb. 1948~~

Published:

Waltman Jeth. backed, 18 Nov. 1947
You'll copy only

Compilation Scale: 1:10,000

Published Scale: *1:10000*

Scale Factor (III): 1:0000

Geographic Datum (III): N.A. 1927

Datum Plane (III):

Reference Station (III): RICHARDSON, 1870, r. 1934, r. 1944

Lat.: 44° 21' 29.085" 897.7 m Long.: 68° 18' 09.293" 205.8 m

~~Adjusted~~
~~Unadjusted~~State Plane Coordinates (VI): *Maine, East zone*X = 551,632.24 ft.Y = 191,335.65 ft.

Military Grid Zone (VI)

(Unmounted - Single Lens ratioed Prints)
PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
44-C-1225 to 44-C-1228, Incl.	5/26/44	10:30 A.M.	1:10,000	4.2' above M.L.W.
44-C-1240 to 44-C-1243, Incl.	5/26/44	10:45 A.M.	1:10,000	4.8' above M.L.W.
44-C-1253 to 44-C-1256, Incl.	5/26/44	11:15 A.M.	1:10,000	6.0' above M.L.W.
44-C-1287 to 44-C-1291, Incl.	5/26/44	11:45 A.M.	1:10,000	7.2' above M.L.W.

Tide from (III): Predicted Tide Tables, Atlantic Ocean 1944. Reference Station Eastport, Maine, with corrections to Mt. Desert, Mt. Desert Island, Maine.
Mean Range: 10.6' Spring Range: 12.0'

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 K. Sturmer date: Nov. 1944

Field Edit by: — date:

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

Projection and Grids ruled by (III) S. R. date: March 5, 1945

" " " checked by: S. R. & Murray date: March 5, 1945

Control plotted by: H. R. Rudolph date: March 14, 1945

Control checked by: A. L. Goncharsky date: March 19, 1945

Radial Plot by: W. E. Schmidt & H. R. Rudolph date: March 1945

Detailed by: Florence M. Hammond (Shoreline & immediate adjacent culture - rough draft) date: May 15 to May 25, 1945

Reviewed in compilation office by: Harry R. Rudolph date: May 26 to May 30, 1945

Elevations on ~~Field Edit Sheet~~ ^{may measure sheet} checked by: *H.R. Bunker* *H.W. Thuna* date: *5/14/45* *2/5/47*

STATISTICS (III)

Land Area (Sq. Statute Miles); 1½

Shoreline (More than 200 meters to opposite shore); 9.0 statute miles.

Shoreline (Less than 200 meters to opposite shore); 1.3 statute miles.

Number of Recoverable Topographic Stations established; 2

Number of Temporary Hydrographic Stations located by radial plot; 50

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-8575

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

1. DESCRIPTION OF THE AREA:

According to the Instructions dated August 10, 1944, the Survey for Map Drawing, Survey No. T-8575, is a shoreline survey.

Survey No. T-8575 covers an area in the central part of Mount Desert Island which includes the upper reaches of Somes Sound north of latitude $44^{\circ} 20'$ and all of Somes Harbor. At the entrance to Somes Harbor is a small island (Bar Island) which almost closes Somes Harbor off from Somes Sound.

The terrain immediately adjacent to the Mean High-Water Line 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 the coves. There are some mud flats in the deeper coves.

The interior area is mostly tree covered with a few cleared and cultivated areas.

2. COMPLETENESS OF FIELD INSPECTION:

The identification of the horizontal control and the field inspection of the Mean High-Water Line, and offshore features are complete except for offlying shoal and reef areas and charted rocks awash not visible on the photographs. The charting data for these features will become available during the 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 of the triangulation stations for the area of the Survey No. T-8575 were recovered in good condition. Triangulation Station PARKER, 1870, r. 1944 was recovered but not identified.

Form No. 526, Recovery note, has been submitted for each of the triangulation stations within the area of the survey.

5. VERTICAL CONTROL:

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

6. DRAINAGE:

No drainage was delineated within the area of the Survey.

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 picture reference image.

Along shore 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. All of the Mean Low-Water Line within the area of this survey has been approximately delineated, except that portion north of the small bridge at the extreme north end of Somes Harbor.

9. WHARVES AND SHORELINE STRUCTURES:

All of the piers, cribbings, marine ways, and piling areas visible on the photographs within the area of the 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 the photography. It includes two fish traps, a few rock ledge areas, and small islets.

The character of the foreshore area has been indicated on the field photographs. The extent to which several prominent rocks in the foreshore area uncover at either Mean Low-Water or Mean High-Water has been noted on the field photographs. The heights of the islets above Mean High-Water has been noted.

11. LANDMARKS AND AIDS TO NAVIGATION:

No previously charted landmarks or fixed aids to navigation fall within the limits of the survey and no new ones are recommended. There are several floating aids to navigation within the area of the survey.

12. HYDROGRAPHIC CONTROL:

2 Recoverable Topographic Stations. *fm 524*
50 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".

18. GEOGRAPHIC NAMES: *214*

No investigation.

COMPILATION REPORT
MAP DRAWING, SURVEY No. T-8575

COAST OF MAINE
MOUNT DESERT ISLAND - SOMES SOUND
PROJECT No. CS-272

26. CONTROL:

The horizontal control shown on the Map Drawing for Survey No. T-8575 consists of six stations. They are as follows:

Three within detail limits

<u>Name of Station</u>	<u>Type of Station</u>
PARKER, 1870, r. 1934, r. 1944	Triangulation
*RICHARDSON, 1870, r. 1934, r. 1944	Triangulation
SOMESVILLE CHURCH SPIRE, 1863, r. 1944	Triangulation (Intersection)

Three just outside detail limits

<u>Name of Station</u>	<u>Type of Station</u>
*BROWN MOUNTAIN, 1870, r. 1934, r. 1944	Triangulation
*HIGGINS, 1865, r. 1944	Triangulation
*ROBINSON MOUNTAIN, 1870, r. 1934, r. 1944	Triangulation

* Station identified by well defined picture point connected to station by short traverse. The positions of these substitute points have been shown on the Map Drawing with very small black acid ink circles, accompanied by the letters "F.I.P."

27. RADIAL PLOT:

The radial plot for the area of the Survey is part of a combined plot made 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-8573 to T-8590, inclusive, T-8594, and T-8595, submitted June 5, 1945.

28. DETAILING:

The photography, field data, horizontal ground control, and radially plotted control points available for the compilation were adequate. No difficulties were encountered during compilation.

Only the area in the vicinity of the shore has been detailed.

29. MEAN HIGH-WATER LINE:

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

There were no marsh areas bordering the Mean High-Water Line but grass-in-water borders much of the Mean High-Water Line above the narrows and bridge of the north end of Somes Harbor.

30. MEAN LOW-WATER LINE:

The somewhat approximate position of the Mean Low-Water Line was detailed in accordance with the field data, except that portion north of the small bridge at the extreme north end of Somes Harbor which has been detailed in accordance with the Compilation Office interpretation of the photographs. All of the Mean Low-Water Line has been shown with a dotted black acid ink line.

31A. FORESHORE AREAS:

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

31B. SHOAL LINES:

The approximate outline of shoal areas was detailed 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:

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".

32 DETAILS OFFSHORE FROM THE MEAN HIGH-WATER LINE:

The offshore details include shoals, reefs, islets, and two fish traps. Except for the shoal and sunken reef areas, all of these details shown are in accordance with the field data.

33. WHARVES AND SHORELINE STRUCTURES:

Several piers, cribbings, piling areas, and marine ways have been shown in accordance with field data.

35. HYDROGRAPHIC CONTROL:

2 Recoverable Topographic Stations - located by radial plot.
50 Temporary hydrographic Stations - located by radial plot.

A list of their descriptions is attached to this report.

Form No. 524, has been submitted for the two Recoverable Topographic Stations.

37. BRIDGES:

One very small bridge has been shown at the northern end of Somes Harbor.

38. GEOGRAPHIC NAMES:

Taken from Nautical Chart No. 306 and United States Quadrangle Maps.

A list of the names is attached to this Report.

39. JUNCTIONS:

The junction with Map Drawing, Survey No. T-8574, to the south has been made and is in agreement.

The junction areas with Survey No. T-8585 to the south and Survey No. T-8584 to the east are interior areas of Mount Desert island which have not been detailed and no junction required.

Any junctions of detail with Surveys Nos. T-8566 and T-8567 to the west and Survey No. T-8576 to the north will be considered when those Surveys are compiled.

40. POSITION ACCURACY OF IMPORTANT PLANIMETRIC DETAILS:

Believed to be within 0.5 mm.

41. RECOMMENDATIONS FOR FUTURE SURVEYS:

Map Drawing, Survey No. T-8575, is complete with respect to all known 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, Mount Desert, Maine, Quadrangle, 15' series, scale 1:62,500, edition of 1942. (Common area).

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

Several bench marks.

Sargent Brook.

Denning Brook.

Drainage at approximately latitude $44^{\circ} 21' 50''$ and longitude $68^{\circ} 18' 36''$.

Drainage just north of Hall Quarry.

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

Several piers, cribbings, and marine ways, situated in the upper reaches of Somes Sound and in Somes Harbor.

Double dashed line road at Sargent Point.

Double dashed line roads in the vicinity of Hall Quarry.

A trail running southwest of Mason Point.

The following features as shown on the Map Drawing are in disagreement with the Quadrangle:

In the inlet north of Somes Harbor, the Mean Low-Water Line as shown on the Map Drawing appears on the quadrangle as the Mean High-Water Line. The Mean High-Water Line as shown on the Map Drawing appears on the quadrangle as the inshore limits of marsh. The area shown on the Map Drawing as grass-in-water appears on the quadrangle as marsh. These features have been shown in accordance with the field data.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES: (Continued)

The geographic name Mount Desert (village).

The positions and number of buildings.

The small pond just south of Mount Desert (village) appears as part of the inlet on the quadrangle.

A double dashed line road running west from Broad Cove. (Trail on Map Drawing).

45. COMPARISON WITH NAUTICAL CHARTS:

Chart No. 306, scale 1:40,000, published at Washington, D. C., March 1942, corrected to April 7, 1945. (Common area).

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

buildings.

Several rocks awash shown on the Map Drawing in the foreshore area.

Several roads and a trail in the vicinity of the village of Mount Desert.

Double dashed line road at Sargent Point.

Numerous rock ledge areas in the southwest part of Some's Harbor.

Several piers and cribbings in Some's Harbor.

A small islet southeast of Sheep Island.

Three marine ways, cribbings, and a pier in the northeastern reaches of Some's Sound.

Cribbing and piling along the western shore of Some's Sound.

A small islet northeast of Sheep Island.

Several stretches of rocky bluff.

A double dashed line road approximately 400 meters northeast of Squantum Point.

A double dashed line road approximately 900 meters northeast of Squantum Point.

A double full line road, (Class 2) northeast of Some's Sound.

45. COMPARISON WITH NAUTICAL CHARTS: (Continued)

Geographic name Squantum Point.

Several stretches of rock ledge.

Grass-in-water area in inlet just north of Somes Harbor.

Bare rock in northern reaches of Somes Harbor.

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:

Myrtle Ledge (only geographic name shown).

Rock awash at latitude $44^{\circ} 21' 10''$ and longitude $68^{\circ} 18' 38''$.

Rock awash at latitude $44^{\circ} 21' 13''$ and longitude $68^{\circ} 19' 24''$.

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

Drainage at approximately latitude $44^{\circ} 21' 00''$ and longitude $68^{\circ} 18' 15''$.

Drainage at approximately latitude $44^{\circ} 21' 51''$ and longitude $68^{\circ} 18' 35''$.

Drainage at approximately latitude $44^{\circ} 21' 12''$ and longitude $68^{\circ} 20' 10''$.

Drainage at approximately latitude $44^{\circ} 20' 18''$ and longitude $68^{\circ} 18' 15''$.

Sargent Brook.

The following features as shown on the Map Drawing are in disagreement with the chart:

The Mean High-Water Line of the inlet just north of Somes Harbor.

The Map Drawing for Survey No. T-8575 was compiled under the supervision of Harry R. Rudolph, Photogrammetric Aid, SP-6, and was also reviewed by Harry R. Rudolph.

Respectfully Submitted,
June 1, 1945

Florence M. Hammond
Florence M. Hammond,
Photogrammetric Aid

Harry R. Rudolph
Harry R. Rudolph,
Photogrammetric Aid

and

Joseph Steinberg
Joseph Steinberg,
Photogrammetric Engineer

Approved and Forwarded:
June 5, 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-8575

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

27. RADIAL PLOT

While all the office photographs were not available to cover the entire area of this survey, those that were available covered the area that was detailed. A partial plot check was made, using these photographs, and it proved satisfactory.

28. DETAILING & FIELD INSPECTION

More expression should be used in detailing the shoreline. Shoreline having a rock ledge foreshore is not likely to be nearly so smooth as the compiler has shown it.

Foul area attached to the shore should not be labeled "reef", but rather "shoal".

Elevations on rocks close inshore and on the rock ledge need not be shown as they are not charted.

Field inspection in this area has given very little information on bluffs. Usually when a bluff is indicated the inspector does not give its elevation or classify it, such as rocky or earthen. Otherwise, the field inspection has been adequate.

29. MEAN HIGH WATER LINE

Detailed in accordance with the field data. Note first sentence under "Detailing", above.

34. LANDMARKS AND FIXED AIDS TO NAVIGATION

There are none in the area of this survey, and no new ones are recommended.

39. JUNCTIONS

Compilations of surveys to the north and west of T-8575 have not been received in this office. Junctions will be made when those compilations are received.

Interior detail not shown on a shoreline map.

43. COMPARISON WITH PREVIOUS TOPOGRAPHIC SURVEYS

T-1243 1/10000 1871 T-1364 1/10000 1874

Bluff, symbol shown in red acetate ink on the manuscript, was taken from these surveys.

One outstanding disagreement is adequately described in the last paragraph of page 7 of the descriptive report.

44. COMPARISON WITH QUADRANGLES

U.S.G.S. 15' series, Mount Desert, Me. 1/62500 1942

Survey T-8575 supersedes this quadrangle in all common areas and common detail.

See section 44 in descriptive report.

45. COMPARISON WITH NAUTICAL CHARTS

306 1/40000 Mar. 1942 307 1/40000 Aug. 1943
1202 1/80000 May 1932 (reissue Dec. 1938)

This survey has not been applied to charts.

See section 45 of the descriptive report for an adequate comparison.

Reviewed by

Under the direction of

H. R. Brooks
H. R. Brooks, 17 Aug. 1945

R. M. Berry
Chief, Review Section

APPROVED BY:

M. J. Jones 3/48
Technical Assistant to the
Chief, Div. of Photogrammetry

[Signature]
Chief, Nautical Charts Branch
Div. of Charts

K. T. Adams
Chief, Div. of Photogrammetry

[Signature]
Chief, Div. of Coastal Surveys

Division of Photogrammetry
Supplemental Review Report for
Shoreline Survey Manuscript T-8575

In order to bring all survey sheets in Project CS 272E into full agreement, an additional review was made to T-8575.

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 map manuscript from office inspection 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.

The changes made in this reexamination do not affect the charts to which this manuscript has been applied.

Supplemental review by:

H. W. Thune
H. W. Thune *B*
Photogrammetrist, 5 Feb. 1947.

1944
IDENTIFICATION REPORT

HORIZONTAL CONTROL
MAP DRAWING, SURVEY No. T-8575
PROJECT No. CS-272

<u>Station</u>	<u>U.S.G.S. Quadrangle</u>	<u>Recovery Data</u>	<u>Pricking Data</u>
(a)(b) BROWN MOUNTAIN, 1870	Mount Desert	9-4-44	Positive
(a)(b) HIGGINS, 1865	Mount Desert	10-17-44	Positive
(c) PARKER, 1870	Mount Desert	8-23-44	*Not pricked
* Would take $1\frac{1}{2}$ days to run to F.I.P.			
(a) RICHARDSON, 1870	Mount Desert	10-11-44	Positive
(a)(b) ROBINSON MOUNTAIN, 1870	Mount Desert	8-22-44	Positive
SOMESVILLE CHURCH SPIRE, 1863	Mount Desert	8-23-44	Positive

Notes by Field Compilation Office

- (a) Identified by well defined picture point connected to station by shore traverses. The position of the substitute point has been shown on the Map Drawing with a very small black acid ink circle, accompanied by the letters "F.I.P."
- (b) Station lies just outside the detail limits of the Map Drawing. All others are contained within the detail limits.
- (c) Not used to control the radial plot.

GEOGRAPHIC NAMES

(Undisputed)

Taken from Nautical Chart No. 306

- Bar Island
- Broad Cove
- Mason Point
- Mount Desert Island
- Myrtle Ledge *Name is not on T-8575
(between Bar I & Broad Cove)*
- Sargent Cove
- Sargent Point
- Sheep Island
- Somes Harbor
- Somes Sound

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

- Hall Quarry
- Squantum Point

GEOGRAPHIC NAMES

(Disputed)

Nautical Chart No. 306

Mt. Desert, Maine, Quadrangle Map

Mount Desert (Village)

Somesville (Mount Desert Post
Office)

- Somesville (Mount Desert P.O.)

- State No. 102
- - No. 198
- Richardson Brook
- Denning Brook
- Sound
- Sargent Brook

Names preceded by • are
approved.

L. Heck
9/17/47

GEOGRAPHIC NAMES

NOTES
for
REVIEWER

MAP DRAWING, SURVEY No. T-8575
COAST OF MAINE
Project No. CS-272-E

All details have been shown with usual symbols.

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

The large blue ink circles are the very strong positions of the photograph centers determined by the radial plot.

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

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 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 Projection were in good agreement. It was not necessary to use the vertical projector.

Respectfully Submitted,
May 31, 1945

Harry R. Rudolph
Harry R. Rudolph,
Photogrammetric Aid

Approved
June 5, 1945

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

R.S. 475
(T-9575)
Ph-105(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 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.

Nine (9) new photo-hydro stations were added where believed necessary.

It is believed that the above revisions and additions are of standard map accuracy.

No building or road revision was made at this time.

Respectfully submitted:

David F. Romero
Ensign, U.S.C. & G.S.
Mar 1953

Approved by:

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

COAST OF MAINE
PROJECT No. CS-272

DESCRIPTIONS OF THE RECOVERABLE TOPOGRAPHIC STATIONS
AND TEMPORARY HYDROGRAPHIC STATIONS FOR THE
AREA OF MAP DRAWING, SURVEY No. T-8575

NUMBER OF RECOVERABLE TOPOGRAPHIC STATIONS..... 2 *fm. 524*
NUMBER OF TEMPORARY HYDROGRAPHIC STATIONS..... 50
TOTAL NUMBER OF STATIONS 52

9 Feb. 1953

Foreshore revision from low water photographs and location of 9 new photo-hydro stations was made from ratio prints oriented under the manuscript.

David F. Romero
Ensign USCGS

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

Checked By: *Harry R. Rudolph*
Harry R. Rudolph
Photogrammetric Aid

- 1470 · Offshore gable of tar papered shed.
- 1471 · East gable of tar papered shed.
- 1472 · Stove pipe chimney on old shack.
- 1473 · 20' evergreen.
- 1473a *Final tree at extremity of point*
- 1475 · East gable, small log shack. (*destroyed?*)
- 1474 *Boulder on foreshore*
- 1476 · Southeast decorative ball on sign atop library.
- 1477 · 40' dark evergreen.
- 1478 · Center of offshore end of pier.
- 1478a *center of end of offshore stone pier support*
- 1479 · Center of concrete foundation of fixed portion of pier.
- 1480 · Large boulder 10 meters offshore.
- 1481 · Center of archway offshore end of pier.
- 1482a *west gable of house*
- 1482 · 7' evergreen.
- 1482b *large boulder on foreshore*
- 1483 · Large evergreen.
- 1484 · Large stone chimney.
- 1485 · Southeasterly evergreen on small island.
- 1485a *Lone tall evergreen on point.*
- 1486 · Lone evergreen.
- 1487 · Large evergreen.
- 1488 · Small evergreen.
- 1489 · Barn cupola.
- 1498 · North corner of cribbing.
- 1499 · Evergreen.
- 1499a *Boulder on foreshore*
- 1500 · 30' evergreen.
- 1501 · Northeast corner of cribbing.
- 1502 · Most northerly evergreen in group.
- 1503 · North gable of barn.
- 1503a *large boulder which bares 10 ft. at MLW.*
- 1504 · Tall evergreen on island.
- 1505 · East gable of house.

- 1506 . Tall evergreen on point.
- 1507 . South gable of cottage.
- 1508 . 30' evergreen.
- 1509 . Small evergreen.
- 1510 . 15' evergreen.
- 1511 . Chimney on house.
- 1512 . West gable of boat house.
- 1513 . South gable, white house.
- 1514 . Top of large boulder.
- 1515 . Center of offshore end of cribbing.
- 1516 . Large evergreen.
- 1517 . Small evergreen.
- 1518 . Evergreen, east side of small island.
- 1518a *large boulder on foreshore.*
- 1519 . 15' evergreen.
- 1520 . Evergreen, west side of small island.
- 1521 . Large evergreen.
- 1522 . Small evergreen.
- 1523 . 40' evergreen.
- 1524 . 30' evergreen.
- 1525 . 20' evergreen.
- Plot in same location { 1526 . West corner, shack on cribbing.
- 1526a *west corner of cribbing*
- 1559 . South corner, offshore end of pier. (Destroyed?)
- 1559a *offshore end of pier*
- 2332 "BRICK CHIMNEY, UNPAINTED HOUSE" - Station is the brick chimney on the ridge, 1 meter west of the center of an unpainted, shingled, 2-story house. On the west shore of Somes Sound, 110 meters west of the Mean High-Water Line and 930 meters south of Broad Cove. Elevation 100 feet. Recoverable Topographic Station.

- 2335 "LARGE BRICK OUTSIDE CHIMNEY" - Station is the large, brick, outside chimney on southeast side of house. It is a shingled, one and a half story house with porch on two sides. On north shore of Somes Harbor, 25 meters west of Mean High-Water Line and 370 meters north of the north tip of Sheep Island. Recoverable Topographic Station.
- 2334 Center of east side of white granite boulder, 3 feet in diameter, 2 feet above the ground on inshore side of small point. Brush and higher ground are to the west. 12 meters to Mean High-Water Line to the southeast. 25 meters to the Mean High-Water Line to the southwest.

NOTES
FOR
HYDROGRAPHIC PARTIES

Upper Somes Sound

MAP DRAWING, SURVEY No. T-8575
COAST OF MAINE
PROJECT No. CS-272-E

The $2\frac{1}{2}$ millimeter ink circles are the positions of the selected hydrographic control stations. Two copies of the Descriptive List have been furnished for your use.

The outlines of shoal and sunken reef areas shown are approximate and are for your advance information only.

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

The very small ink circles, accompanied by the letters "F.I.P.", are the positions of well defined picture points located by ground survey methods as substitutes for triangulation stations used to control the radial plot. A brief description of the F.I.P.'s 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:

Chart No. 306

Rock awash south of Bar Island.
Rock awash north of Sargent Point.
Area known as Myrtle Ledge.

respectfully submitted,
May 31, 1945

Harry R. Rudolph
Harry R. Rudolph,
Photogrammetric Aid

Approved
June 5, 1945

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

West Eden
Town Hill

Youngs Mt.
706

Brewer Mt.
462

McFarland Mt.
761

MOUNT DESERT ISLAND

MOUNT DESERT

EAGLE LAKE

ACADIA NATIONAL

SARGENT Pt.

Parkman Mt.
1020

Sargent Mt.
1344

Penobscot Mt.
1180

Acadia Mt.
1680

Norumbega Mt.
1380

St. Sauveur Mt.
670

Amherster Valley

Jordan Street

Somes Pond

MARINE WAYS

Sheep I.

Bar I.

Myrtle Ledge

Broad Cove

ECHO LAKE

Beach Cliff

Valley 51 Cove

Hadlock Upper Pond

Hadlock Lower Pond

JORDAN POND

Jordan Street

MOUNT DESERT ISLAND

