

8576

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

8576

<small>Form 504</small> U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE DESCRIPTIVE REPORT	
<i>Type of Survey</i> <u>Planimetric Air Photographic</u> <u>(Shoreline)</u>	
<i>Field No.</i> _____	<i>Office No.</i> <u>T-8576</u>
LOCALITY	
<i>State</i> <u>Maine</u>	
<i>General locality</i> <u>Mount Desert Island</u>	
<i>Locality</i> <u>Western Bay, Mt. Desert Narrows,</u> <u>and Eastern Bay</u>	
<i>Date of Photos</i> _____ <u>5-26-44</u>	
<u>1945</u>	
CHIEF OF PARTY Fred. L. Peacock	
LIBRARY & ARCHIVES	
DATE <u>Oct 19 - 1948</u>	

DATA RECORD

T- 8576

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 *Do. Photogram.*

April 1, 1942 (Additional) July 10, 1943 (Horizontal Control Requirements) Mar. 18, April 11 and July 17, 1944, (Supplemental) August 10, 1944 (Additional) August 26, 1944 (Amendment to Additional Instructions).

Completed survey received in office;

7 Sept. 1945

Reported to Nautical Chart Section;

Reviewed; *13 Dec. 1946*Applied to chart No. *306**1202*Date; *4 Dec. 1945 (partial)*
*14 Feb 1946*Redrafting Completed; *Not redrafted*Registered; *March*
*27 Feb 1948*Published; *Not cloth-bound, 18 Nov. 1947*
Vault 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); HIGGINS, 1865, r. 1944

Lat.; 44° 23' 19.756" 609.8 m Long.; 68° 22' 09.103" 201.5m Adjusted

~~Unadjusted~~State Plane Coordinates (VI); *East Zone*

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

(Unmounted - Single Lens Ratio Prints)

Number	Date	Time	Scale	Stage of Tide
44-C-1197 to				
44-C-1198, Incl.	5/26/44	1015	1:10,000	3.6' above M.L.W.
44-C-1222 to				
44-C-1224, Incl.	5/26/44	1030	1:10,000	4.2' above M.L.W.
44-C-1256 to				
44-C-1260, Incl.	5/26/44	1115	1:10,000	6.0' above M.L.W.
44-C-1283 to				
44-C-1286, Incl.	5/26/44	1130	1:10,000	6.6' above M.L.W.
44-C-1287 to				
44-C-1288, Incl.	5/26/44	1145	1:10,000	7.2' above M.L.W.
44-C-1313 to				
44-C-1316, Incl.	5/26/44	1230	1:10,000	8.9' above M.L.W.

Tide from (III); Predicted Tide Tables, Atlantic Ocean, 1944. Reference Station, Eastport, Maine, with corrections for Mount Desert Narrows. Mean Range: 10.5' 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 E. Sturmer date: Sept.-Nov. 1944
May-June, 1945

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 from September 1944 to November 1944 and from May 1945 to June 1945.

Projection and Grids ruled by (III) S.R. date: 3-5-45

" " " checked by: S.R. - Murray date: 3-5-45

Control plotted by: H. R. Rudolph date: 3-15-45 and 3-16-45

Control checked by: A. L. Goncharsky date: 3-19-45

Radial Plot by: W. K. Schmidt - H. R. Rudolph date: March, 1945

Detailed by: Ruth E. Rudolph date: 7-7-45 to 7-19-45
8-6-45 to 8-17-45

Reviewed in compilation office by: A. C. Rauck, Jr. date: 8-20-45 to 8-23-45

Elevations on Field Edit Sheet checked by: date:

STATISTICS (III)

Land Area (Sq. Statute Miles); 4

Shoreline (More than 200 meters to opposite shore); 18.5 statute miles.

Shoreline (Less than 200 meters to opposite shore); 2 statute miles.

Number of Recoverable Topographic Stations established; 12

Number of Temporary Hydrographic Stations located by radial plot; 96

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-8576

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

1. DESCRIPTION OF THE AREA:

According to instructions, dated August 10, 1944, the Survey for Map Drawing, Survey No. T-8576, is a shoreline survey.

Survey No. T-8576 covers an area along the western and northern shores of Mount Desert Island from Long Cove in the west to The Ovens in the northeast, Western Bay, Mount Desert Narrows, Thompson Island, Thomas Island, The Twinnies, Eastern Bay, and a small portion of the mainland from Haynes Point to the Bar Harbor Airport.

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

The interior, except for a few small town^d and the area bordering Northeast Creek, is mountainous and mostly tree covered.

2. COMPLETENESS OF FIELD INSPECTION:

Two horizontal control stations within the limits of the Map Drawing could not be found. However, sufficient horizontal control stations were recovered to adequately control the photographs in the area. The identification of the Mean High-Water Line and offshore features are complete except for off-lying shoal and sunken reef areas not discernable on the photographs.

Only those portions of the Mean Low-Water Line in the vicinity of The Ovens, between Hadley Point and Salisbury Cove, and a few small portions west of Hadley Point have been identified. The charting data for the remainder of the Mean Low-Water Line, Off-lying shoal, and sunken reef areas, will become available upon completion 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:

Two horizontal control stations within the area of Survey no. T-8576 could not be found and a third station was recovered but not identified. All other horizontal control stations within the area of this Survey were recovered and identified as positive.

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

5. VERTICAL CONTROL:

No vertical control stations were recovered in the area of this Map Drawing.

6. DRAINAGE:

No drainage was 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 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. Only the Mean Low-Water Line in the vicinity of The Ovens, between Hadley Point and Salisbury Cove, and a few small portions west of Hadley Point have been identified. The identification of the position of most of the mean Low-Water Line is very close to its true position but is to be considered as approximate. The Mean Low-Water Line at The Ovens, at Indian Point and on the southern shore of Clark Cove, has been identified with full charting accuracy.

9. WHARVES AND SHORELINE STRUCTURES:

All of the piers, seawalls, and boat skidways 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:

Several rock ledge areas, rocks awash, and rocks that uncover at Mean Low-Water have been indicated on the field photographs and the extent to which each uncover at Mean Low-Water has also been noted on the photographs. The height of each of the small islets above Mean High-Water has been noted.

11. LANDMARKS AND AIDS TO NAVIGATION:

There are no previously charted or desirable uncharted landmarks or uncharted Fixed Aids to Navigation within the limits of the Survey. There is only one floating Aid to Navigation within the area of the Survey.

12. HYDROGRAPHIC CONTROL:

12 Recoverable Topographic Stations. *fm. 524*
96 Temporary Hydrographic Stations.

Descriptions have been furnished.

13. LANDING FIELDS AND AERONAUTICAL AIDS:

There are no aeronautical aids within the limits of this Survey. However, a portion of the United States Naval Air Auxiliary facility of Bar Harbor, Maine, falls within the limits.

14. ROAD CLASSIFICATION:

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

15. BRIDGES:

One bridge, across mount Desert Narrows, is within the limits of the Survey.

18. GEOGRAPHIC NAMES:

814
No investigation.

COMPILATION REPORT
MAP DRAWING, SURVEY No. T-8576

COAST OF MAINE
MOUNT DESERT ISLAND
WESTERN BAY, MOUNT DESERT NARROWS
AND EASTERN BAY
Project No. CS-272

26. CONTROL:

The horizontal control in the area of the map Drawing for Survey No. T-8576 consists of thirteen stations. They are as follows:

Nine within the detail limits

<u>Name of Station</u>	<u>Established By</u>	<u>Type of Station</u>
*HADLEYS POINT, 1865, r. 1944	U.S.C. & G.S.	Triangulation
HADLEYS POINT, YELLOW CUPOLA, RED PEAKED ROOF, 1934, r.1944	U.S.C. & G.S.	Triangulation (Inter- section)
*HIGGINS, 1865, r. 1944	U.S.C. & G.S.	Triangulation
**IRESON, 1934, r. 1944	U.S.C. & G.S.	Triangulation
*MOUNT DESERT NARROWS, NORTH TRANSMISSION TOWER, 1934, r.1944	U.S.C. & G.S.	Triangulation (Inter- section)
MOUNT DESERT NARROWS, SOUTH TRANSMISSION TOWER, 1934, r.1944	U.S.C. & G.S.	Triangulation (Inter- section)
RICHARDS, 1865	U.S.C. & G.S.	Triangulation
***SALISBURY COVE, WHITE CHIMNEY? WEST END, 2-Story WHITE HOUSE, 1934, r. 1944 not recovered <i>H.W. Thum</i>	U.S.C. & G.S.S	Triangulation (Inter- section)
SANDS POINT, 1865	U.S.C. & G.S.	Triangulation

Four just outside the detail limits

<u>Name of Station</u>	<u>Established by</u>	<u>Type of Station</u>
*ALLEY, 1944	U.S.C. & G.S.	Topographic (new)
*LAMOINE BEACH BLACK STAND- PIPE, 1934, r. 1944	U.S.C. & G.S.	Triangulation (Inter- section)
*LEVI, 1944	U.S.C. & G.S.	Topographic (new)
TRENTON, MOUTH OF JORDAN RIVER, CHURCH SPIRE, 1934, r. 1944	U.S.C. & G.S.	Triangulation (Inter- section)

* Station identified by a well defined picture point connected to station by a 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."

** Station recovered but not identified.

26. CONTROL: (Continued)

*** Plotted position of station in disagreement with radially plotted position of station as identified by the Field Unit.

Nine of the thirteen above mentioned stations were available for use as horizontal control.

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. See Radial Plot Report for Surveys Nos. T-8573 to T-8590, inclusive, and T-8594 and T-8595, submitted June 5, 1945.

28. DETAILING:

The field data, horizontal ground control and radially plotted control points available for the compilation, were adequate. Photography, except between Emery Cove and Sand Point, between Madley Point and Leland Point, and between Northwest Cove and Clark Cove, was adequate.

Only the area in the vicinity of the shoreline was detailed, with the exception of The Twinnies, Thomas Island, and Thompson Island which have been detailed in their entirety.

All drainage was delineated from stereoscopic examination 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.

The marsh line bordering the small marsh area on the northern shore of Clark Cove has been shown with a continuous light-weight black acid ink line.

30. MEAN LOW-WATER LINE:

The approximate position of the Mean Low-Water Line was detailed in accordance with the field inspection data and shown with a dotted black acid ink line. Where the definite position of the Mean Low-Water Line was identified, it was shown with a light-weight dash and dot black acid ink line.

31-A. FORESHORE AREAS.

The foreshore areas shown consist of rock ledge, boulders, detached rocks, mud, sand, and gravel areas, all of which have been detailed in accordance with the field data.

31-B. 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".

31-C. REEF LINES:

The approximate outline of reef 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 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, shoal and sunken reef area. 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:

Piers, boat skidways, seawalls, and a fish trap have been shown in accordance with the field data.

34. LANDMARKS AND AIDS TO NAVIGATION:

There are no previously charted Landmarks within the limits of the Survey.

35. HYDROGRAPHIC CONTROL:

12 Recoverable Topographic Stations.

96 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 twelve recoverable Topographic Stations.

36. LANDING FIELDS AND AERONAUTICAL AIDS:

One landing field, the United States Naval Air Auxiliary Facility, Bar Harbor, Maine, is within the limits of this Survey. This landing field is shown as the Bar Harbor Airport on the U. S. Geological Survey, Mount Desert, Maine, Quadrangle but the name furnished in the field data has been shown on the Map Drawing. It has not been detailed in its entirety but only that part along the shoreline has been shown.

There are no Aeronautical Aids within the limits of the Survey.

37. BRIDGES:

An eleven span swing bridge across Mount Desert Narrows, joining Mount Desert Island with the mainland, has been shown on the Map Drawing. Data, as to width, length, length of swing span, and clearance above mean High-Water is noted on the Map Drawing.

38. GEOGRAPHIC NAMES: 214

Taken from Nautical Charts Nos. 306 and 307 and the Mount Desert, Maine, U. S. Geological Survey Quadrangle Map.

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

39. JUNCTIONS:

The junctions with Map Drawing, Survey No. T-8577 to the north and Survey No. T-8583 to the east have been made and are in agreement.

The junction with Map Drawing, Survey No. T-8566 to the west will be made when that survey is compiled.

The junctions with Map Drawing, Survey No. T-8565 to the northwest, Survey No. T-8575 to the south and Survey No. T-8584 to the southeast are undetailed interior areas.

40. POSITION ACCURACY OF IMPORTANT PLANIMETRIC DETAILS:

Believed to be within 0.5 m.m.

41. RECOMMENDATIONS FOR FUTURE SURVEYS:

Map Drawing, Survey No. T-8576, 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" and indicated on sections of Nautical Charts nos. 306 and 307, 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 (Common area).

Details common to the Map Drawing and the Quadrangle are, in general, in good agreement.

An area in the vicinity of Salt Pond is shown as marsh on the quadrangle but as grass meadow land on the Map Drawing. This area is believed by the Compilation Office to be marsh but was identified as grass land by the field Unit.

Minor differences in land features are mentioned in the accompanying Notes to the Reviewer and offshore features for which detailing data were lacking, have been mentioned in the Notes to the Hydrographic Party.

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).

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

Details common to the Map Drawing and the Charts are, in general, in good agreement.

Minor differences between the above mentioned charts and the Map Drawing, in land features are mentioned in the accompanying Notes to the Reviewer and offshore features for which detailing data were lacking have been mentioned in the accompanying Notes to the Hydrographic Party.

The Map Drawing for Survey no. T-8576 was compiled under the supervision of Harry R. Rudolph, Photogrammetric Aid; reviewed by Albert C. Rauck, Jr., Photogrammetric Aid.

Respectfully submitted,
August 30, 1945

Ruth E. Rudolph
Ruth E. Rudolph,
Photogrammetric Aid

Albert C. Rauck, Jr.
Albert C. Rauck, Jr.,
Photogrammetric Aid

Harry R. Rudolph
Harry R. Rudolph,
Photogrammetric Aid

Approved and Forwarded:
September 7., 1945

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

GEOGRAPHIC NAMES

(undisputed)

Taken from Nautical Charts Nos. 306 and 307 and from United States Geological Survey, Mount Desert, Maine, Quadrangle.

- Aunt Mollys Beach
- Blunts Point
- Clark Cove
- Eastern Bay
- Googins Ledge
- Goose Cove
- Hadley Point
- Haynes point
- Indian Point
- Indian Point (Town)
- Ireson Hill
- Israel Point
- Leland Point
- Long Cove
- Mount Desert Island
- Mount Desert narrows
- Negro Point
- Northeast Creek
- Northwest Cove
- Oldhouse Cove
- Prays Brook
- Red Rock Corner
- Salsbury Cove
- Salsbury Cove (Town)
- Salt Pond
- Sand Point
- The Ovens
- The Twinnies
- Thomas Bay
- Thomas Island
- Thompson Island
- Trap Rock
- Western Bay

• State No. 3

• - No. 102 ~~102~~

Names preceded by • are approved
L Heck
9/16/47

GEOGRAPHIC NAMES

(Disputed)

Chart No. 307

• Emery Cove

U. S. G. S. Quadrangle

~~Emerys~~ Cove

Field Photograph No. 44-C-1283

United States Naval Air Auxiliary
Facility, Bar Harbor, Maine

U.S. G. S. Quadrangle

Bar Harbor Airport

↑
This is probably the
permanent name

1944
IDENTIFICATION REPORT

HORIZONTAL CONTROL
MAP DRAWING, SURVEY No. T-8576
Project No. CS-272-E

<u>Station</u>	<u>U.S.G.S. Quadrangle</u>	<u>Recovery Date</u>	<u>Pricking Data</u>
(a)(b) ALLEY, 1944	Mount Desert	New	Positive
(a) HADLEYS POINT, 1865, r. 1944	Mount Desert	9/6/44	Positive
HADLEYS POINT, YELLOW CUPOLA, RED PEAKED ROOF, 1934, r. 1944	Mount Desert	9/6/44	Positive
(a) HIGGINS, 1865, r. 1944	Mount Desert	10/17/44	Positive
(c) IRESON, 1934, r. 1944	Mount Desert	9/6/44	*Not pricked
(a)(b) LAMDINE BEACH BLACK STANDPIPE, 1934, r. 1944	Mount Desert	Lost	** Positive
(a)(b) LEVI, 1944	Bar Harbor	***9/23/44	Positive
(a) MOUNT DESERT NARROWS NORTH TRANS- MISSION TOWER, 1934, r. 1944	Mount Desert	11/14/44	Positive
MOUNT DESERT NARROWS SOUTH TRANS- MISSION TOWER, 1934, r. 1944	Mount Desert	11/14/44	Positive
(c) RICHARDS, 1865	Mount Desert	Not found	
(c)(d) SALISBURY COVE, WHITE CHIMNEY, WEST END, 2-STORY HOUSE, 1934, r. 1944 not recovered <i>H.W.B. Jones</i>	Mount Desert	9/6/44	Positive
(c) SANDS POINT, 1865	Mount Desert	Not found	
(b) TRENTON, MOUTH OF JORDAN RIVER, CHURCH SPIRE, 1934, r. 1944	Mount Desert	11/14/44	Positive

* Sufficient control in area.

** See Pricking Card.

*** Indicates new control station established in 1944.

Notes by Field Compilation Office

- (a) Identified by well defined picture point connected to station by short traverse. 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.
- (d) The radially plotted position of the station as identified by the Field Unit was in disagreement with the plotted position of the station.

NOTES
FOR
REVIEWER

COAST OF MAINE
MAP DRAWING, SURVEY No. T-8576
Project No. CS-272-E

All details have been shown with the usual symbols.

The small blue ink circles are the positions of well defined picture points determined by the radial plot and considered very strong. The small green ink circles are the positions of well defined picture points determined by only two wide angle radials or 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 the Recoverable Topographic Stations and temporary Hydrographic Stations. Such circles, accompanied by a name and date (1944 or 1945), are the positions of Recoverable topographic Stations determined by the radial plot. All other such circles are the positions of the 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. These circles are accompanied by the letters "F.I.P."

The photographs contain no appreciable tilt or differential distortion.

The scales of the photographs and the Map Drawing are in fair agreement.

The following discrepancies between the Map Drawing and the United States Geological Survey, Mount Desert, Maine, Quadrangle, were found:

Shown on the Map Drawing Drawing but not on the Quadrangle:

A boat skidway just across the Mount Desert Narrows bridge.

The geographic Name, Wiggins Ledge.

A small marsh area on the northern shore of Clark Cove.

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

Several piers in the vicinity of Leland Point.

Shown on the Quadrangle but not on the Map Drawing Because no
Data were Available

Several marsh areas on the northwestern shore of Mount Desert Island.

Several bench marks.

In Disagreement with the Quadrangle

The Geographic name, Emery Cove, is shown as "Emerys Cove" on the Quadrangle.

The following discrepancies between the Map Drawing and nautical Charts nos. 306 and 307, were found:

Shown on the Map Drawing but not Charted:

All buildings.

Several piers in the vicinity of Leland Point.

A boat skidway just across the Mount Desert Narrows Bridge.

A road paralleling the shoreline at Hadley Point.

The geographic names Israel Point, Salt road, Oldhouse Cove, and Rock Corner, and Long Cove.

Charted but not Shown on the Map Drawing Because no Data
Were Available.

One floating Aid to Navigation at Googins Ledge.

A stream at Sand Point.

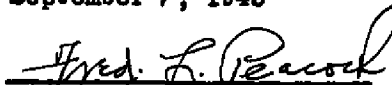
Several rocks on the western shore of Mount Desert Island.

A small cave in the vicinity of Sand Point has been indicated on the field photographs; its approximate location has been indicated by an appropriate note on the Map Drawing.

Respectfully Submitted,
August 30, 1945.


Ruth E. Rudolph,
Photogrammetric Aid

Approved and Forwarded:
September 7, 1945


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

Division of Photogrammetry

Review Report of

Shoreline Survey T-8576

Paragraph numbers not used in this review have been adequately covered in other parts of this report.

28. Detailing.-

The manuscript was complete and adequate as received from the photogrammetric office, with the exception of minor deletions noted below.

32. Offshore from the high water line.-

A number of rocks awash were shown on this sheet outside the high water line; but within the low water line where ledge or boulder foreshore was indicated. These rocks and their heights above M.H.W. were deleted during review, except for pronounced pinnacle rocks or lower rocks which had been identified as temporary hydrographic or topographic stations.

44. Comparison with Existing Topographic Quadrangles.-

This sheet was compared with the following U.S. C. & G.S. topographic surveys and it supersedes them in all common areas:

T-1364	1:10,000	1874
T-1365	1:10,000	1874
T-1522	1:10,000	1879-80

This sheet was compared with the following published quadrangles:

- (1) U.S.G.S. Mount Desert Quadrangle, (Hancock County) Maine, 1:62,500, edition of 1942.
- (2) U.S.G.S. Acadia National Park and Vicinity, (Hancock County) Maine, 1:31,680, edition of 1942.

Comparison between this sheet (T-8576) and the U.S.G.S. Mount Desert quadrangle is adequately covered under "Notes to the Reviewer". All discrepancies noted were verified and no additional discrepancies were found.

Comparison with the U.S.G.S. Acadia National Park and Vicinity Special Sheet revealed no additional discrepancies.

45. Comparison with Nautical Charts.-

T-8576 was partially applied to nautical charts 306 and 1202 prior to this review. A few minor changes in low water line and rock awash details have been made during the review and are indicated on the manuscript in red.

T-8576 shows many minor changes in cultural and shoreline details from the present charts 306 and 307.

The extensive ledges shown on chart 307 on the east side of Haynes Point and on the west side of the entrance to Jordan River are not visible on the photographs and do not appear on the manuscript. They evidently are below mean low water and will be developed by the hydrography of this area.

Reviewed by:

Reviewed under direction of:

Howard W. Thorne 12/13/46 S. V. Griffin 12/27/1946
Photogrammetrist Chief, Review Section

APPROVED:

Ray B. Jones 3/48 [Signature]
Technical Assistant to the Chief, Div. of Photogrammetry Chief, Nautical Chart Branch
Division of Charts

[Signature] 15 Oct 48 C. K. Green
Chief, Div. of Photogrammetry Chief, Div. of Coastal Surveys
Acting

NAUTICAL CHARTS BRANCH

SURVEY NO. T-8576

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
12/7/45	306	D. N. Benson	Before After Verification and Review <i>Partially applied</i>
2/14/46	1202	Ricigari	<i>Applied in part thru Ch. 306 (Exam. for critical information only)</i>
2/18/46	1202	Ricigari	<i>Applied part not covered by the above. (Exam. for critical information only.)</i>
			Before After Verification and Review
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M-2168-1

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

COAST OF MAINE
PROJECT No. CS-272-E

DESCRIPTIONS OF THE RECOVERABLE TOPOGRAPHIC
STATIONS AND TEMPORARY HYDROGRAPHIC STATIONS FOR
THE AREA OF MAP DRAWING, SURVEY No. T-8576

NUMBER OF RECOVERABLE TOPOGRAPHIC STATIONS.....	12
NUMBER OF TEMPORARY HYDROGRAPHIC STATIONS.....	<u>96</u>
TOTAL NUMBER OF STATIONS	108

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

Checked By: _____
Albert C. Rauck, Jr.,
Photogrammetric Aid

- 82 . Base of 30' spruce tree nearest shoreline at edge of grass. Base of tree 7 meters from Mean High-Water Line. A large clump of similar trees about 35' to the north of this 30' spruce tree. About an acre field running between spruce tree and highway.
- 83 . Base of 35' evergreen tree about 20' from main highway. Top of this tree cut off so as not to hit telephone wires. There is another tree about 6' from tree. Also near highway.
- 84 . Base of 45' evergreen tree right on shoreline. Bottom of this tree appears to be dead. This tree is on sandy part of beach. There is a "tote" road starting about at point of tree.
- 85 . Base of 25' spruce tree on prominent point of ledge of rocks making out towards the north. This tree is only one on point.
- 86 . "OUCH" - Station is a bronze disc set in drill hole in the northeast tip of large granite boulder. Station at Mean High-Water Line on point of land approximately 20 meters from tree line. Recoverable Topographic Station.
- 87 . Base of 25' spruce tree at edge of grass clearing on north side at head of inland cove. This tree is on northeast point of trees and sets in clearing farther than other trees do.
- 88 . Tallest evergreen tree in a group of trees on south side of cove at head of small cove. A sloping rocky beach makes down to water from base of this tree.
- 89 . Center of top of very large boulder 25 meters from Mean High-Water Line. Boulder is fairly white on top and a yellow brown at base. Boulder 12' diameter, 14' high. Boulder largest of three boulders within 100' apart.
- 90 . Center of flat topped grayish boulder that is 5 meters outside of Mean High-Water Line. This boulder lies just off a point of trees that lie on northwesterly side of point. Boulder is 8' diameter.
- 91 . Base of little 4' evergreen growing out of the top of large gray ledge at point of shore and tree line. Parts of old stove piled at base to aid recovery.
- 92 . Base of 25' evergreen tree at edge of clearing. Stump with two strands of barbed wire 1 meter north of tree. Stump has solid top. Broken topped stump with two strands of wire is $3\frac{1}{2}$ meters south.
- 93 . Base of 35' evergreen tree at tree line on northeast side of cove. Tree has a projecting root that grows out from a slight 2' banking. Tree is in north corner of a large open field with fence running north and south the length of it. Tree is about 4 meters from Mean High-Water Line.
- 94 . "CHIMNEY" - Station is the northeast chimney of white house with gray tarred roof. House has two chimneys. House has a long porch running entire length of it. House is next to highway, on northerly side. Recoverable Topographic Station. /

- 95 . Base of 35' evergreen on west side of small cove that is just north of large open field. Tree is on grass and tree line. Broken bottle placed on branch to aid recovery.
- 96 . Base of twin 60' evergreen tree. Is on the northern end of field. Tree is about 5 meters in from grass line and about 8 meters in from Mean High-Water Line. Diameter of evergreen is about 2'.
- 97 . Tip of 12' high and 6' diameter grayish rock that is leaning and is pointing northeast. Boulder is 1 meter offshore. A lot of scale growing on north tip of boulder.
- 98 . Base of 35' evergreen tree that is 6 meters in from Mean High-Water Line. Tree is at edge of tree line and is 2 meters west of boulder lying inside of banking. Tree has been blazed at base to aid recovery.
- 99 . Base of 35' evergreen spruce tree on tree line. This tree has projecting roots. Tree is 8 meters in from Mean High-Water Line. This tree is on west side of cove.
- 100 . Base of a 30' lone evergreen tree standing in little clearing with small 3' shrubbery around it. This tree is on northeastern side of small cove. Tree is 150' from Mean High-Water Line.
- 101 . East chimney on little yellow house across highway and at southerly corner of shallow cove. Chimney is white and house has plain shingles. *S. Salt Pond*
- 102 . Top center of one of two boulders 3' apart. The larger and white topped boulder is 1 meter outside of Mean High-Water Line.
- 103 . Base of little 15' spruce tree out about 1 meter from Mean High-Water Line. Tree is on grass line on west side of island. Small ledge of broken rock makes out 20' to west of tree.
- 104 . Base of 35' spruce tree 6 meters inshore from Mean High-Water Line. Tree right on grass line. This tree is blazed to aid recovery.
- 105 . Base of 15' lone evergreen.
- 106 . Base of three evergreens growing out of one stump at north edge of a small open field. This tree is on shoreline about 1 meter in from Mean High-Water Line.
- 107 . Top of center of small gray buff boulder in 6 meters from Mean High-Water Line. Boulder is $3\frac{1}{2}$ ' high with a 4' diameter. Boulder is just east of patch of grass and west of long low ledge.
- 108 . Base of lone 25' spruce tree in southwestern corner of small open field on easterly side of island. There is a log in center of field about 50' northeast of tree. Tree is about 40 meters above Mean High-Water Line.

- 113 . Base of 20' evergreen tree growing on edge of banking and is 6 meters in from Mean High-Water Line. There is a smaller 15' evergreen tree 50' northeast of it. A sharp gully makes into banking 2' to the southwest of tree.
- 114 . Base of 15' evergreen tree growing at top of 10' banking and in line with a wooden fence. This tree is growing along side a poplar tree and has been blazed to aid recovery.
- 115 . Base of 15' evergreen tree growing on top of 15' banking. This tree is just to the east of another such tree. This tree is on the northeast side of a cove and on the point of land making out on northeast side.
(Dest. house built in place)
- 116 . Center of top of round white 6' diameter boulder at edge of dirt banking and is in about 3 meters from Mean High-Water Line. This boulder has grass growing on the southwest side and edge of it.
- 117 . Northeast gable of two-story white house with yellow blinds. Garage on north side of house made in the side. House has a white with yellow top chimney on southwest lower section of house. House has concrete steps running up northeast side of banking making up in yard.
- 118 . Red brick chimney on small one-story house with orange blinds on it. There is a small weather vane on roof at south end of house. Yard has a 30' flagpole in southern end of yard.
- 119 . Base of 35' evergreen tree with "Joy Park Restaurant" sign on it. This tree is at neck of cove making into highway. *Oldhouse Cove*
- 120 . Base of 35' evergreen tree 5 meters in from shoreline on southwest side of cove. Tree is 8 meters in from Mean High-Water Line.
- 121 . Base of 25' evergreen tree that is inshore about 100' from neck of cove. Tree is 15' east of a telegraph pole with electrical box attached to side of it. Tree is about halfway between highway and Mean High-Water Line.
- 122 . Base of 18' evergreen tree at edge of grass line on north side of cove at entrance. Base of tree has been blazed to aid recovery.
- 123 . Base of 10' evergreen tree growing on top of cliff. Tree is very bushy and has been blazed to aid recovery.
- 124 . Base of 40' large horse chestnut tree on east side of highway, 2 meters off from side of concrete. Tree is on south end of bridge and is 14" thick. Only tree in vicinity.
- 125 . West side of cribbing on west side of bridge.
- 126 . Base of southerly of two long 14' poles erected in fence at southeast side of gate.
- 127 . Base of evergreen tree most southwesterly of group of trees along road. Another tree, same kind and size, directly east about 25 meters from it.

- 128 . highest pole on old platform covering an old well. Well is about 15 meters in from Mean High-Water Line.
- 129 . Base of very large evergreen tree (80') high growing on side of hill. This tree is in northeast corner of apple orchard. (destroyed?)
- 130 . "PLOT" - Station is top of gray 3' boulder. The easterly of a group of smaller boulders. Approximately 26 meters north of 8" diameter evergreen and approximately 43 meters southeast of large dark evergreen about 1' in diameter. About 90 meters east of bluff on west side of point and about 106 meters north of bluff to the south. Bronze disc. Recoverable Topographic Station.
- 131 . Base of a 20' evergreen tree growing out of a bunch of rocks. 7 meters in from Mean High-Water Line. This tree is about 60' northeast of end of fence running down a large field.
- 132 . Base of a 15' evergreen tree growing out of the side of a 4' banking on grass line. Tree is 7 meters in from Mean High-Water Line.
- 133 . Base of 25' evergreen tree growing on side of banking in south end of open field. Tree is about 15 meters in and up banking from Mean High-Water Line.
- 134 . Southwest gable of unpainted boathouse on shoreline 9 meters in from Mean High-Water Line. House sets in between two bankings.
- 282 . "CHIMNEY" - Station is the top of large chimney on small house at head of cove. Chimney on southwest end of house. House sets in about 20 meters from Mean High-Water Line. Recoverable Topographic Station.
- 283 . Southwest corner of pier running down from brown house on shore. Pier is unpainted.
- 284 . Base of 35' evergreen tree growing at edge of grass line. A large rock about 4 meters northeast of tree. Tree is in approximately 5 meters from Mean High-Water Line.
- 285 . Base of 50' evergreen 8 meters from edge of shore and grass line. This tree is on edge of line of evergreen trees on point of land making out to the north. Tree has been blazed to aid recovery.
- 286 . Large birch tree approximately 15 meters north of yellow house with green trimmings. This is largest birch tree in vicinity and is growing on side of banking about 12 meters in from Mean High-Water Line.
- 287 . "CHIMNEY" - Station is the chimney on south side of gray cottage named "Wigwam". This cottage chimney is about 19 meters in from Mean High-Water Line. There is a stone wall holding up banking in front of cottage. Recoverable Topographic Station.

- 288 Base of 30' evergreen tree on point of land making out from cottage "Wigwam". This tree is farther out on point than others.
- 289 Top of stone chimney on yellow and black colored cottage with red and yellow colored roof. This cottage has a wooden white flagpole at edge of shore in front of cottage. Cottage is farthest out on point from row of cottages along shore.
- 290 The southwest gable of green cottage on shoreline. Cottage sets up on ledge. *(Destroyed?)*
- 291 Stone chimney on log shack on shore up about 6 meters above Mean High-Water Line. House sets on little banking on top of 10' ledge.
- 292 Base of 15' evergreen tree setting off several yards from rest of trees with small 2' high rock in front of it. This tree is quite bushy and is about 5' from edge of grass line.
- 293 Base of lonely evergreen tree setting on northerly point on island. Only tree in vicinity. Tree is about 35' high.
- 294 Base of 25' evergreen tree on most westerly point of island. This tree is most westerly tree.
- 295 "STONE CHIMNEY" - Station is the top of stone chimney of cream colored cottage that is trimmed with logs and has a log foundation. This cottage has a large open porch on northwest front of it and chimney is 36 meters in from Mean High-Water Line. Recoverable Topographic Station.
- 296 Top center of large 6' high white granite boulder at Mean High-Water Line. This boulder is only one of its size and color in vicinity.
- 297 Top of stone chimney on camp on east side of cove. Point of land runs down on ledge.
- 298 Terra cotta top of chimney on log cabin setting about 20' from grass line of shore. Cottage has wooden steps running to shore from it.
- 299 Base of 25' evergreen.
- 300 Top center of large 6' high fairly round boulder. Boulder sets in path of grass on shore.
- 301 Top center of large pointed boulder, largest in vicinity. Boulder is 8' high approximately and is of a yellow-brown color.
- 302 Base of 20' bushy evergreen tree in northwest corner of field. Tree sets by itself.
- 303 "CHIMNEY" - Station is the chimney of dark green house with white trimmings at north side of brook running into cove. This house has embankment of rocks piled up in front of it on northwest end of house. Chimney is 17 meters from M.H.W.L. Flagpole in southwest corner of yard. Recoverable Topographic Station.

*Long Cove**Aunt Mollys Beach*

- 304 . Top center of gray boulder about 5' north of flagpole. This boulder sets on grass line meeting shoreline and has field to the east of it.
- 305 . The southerly of two evergreen trees growing about 20' apart. These two evergreen trees stand off by themselves and are about 50' tall.
- 306 . Top of chimney on old log house setting to the northeast of small banking. Chimney is on north end of house.
- 307 . Base of 40' evergreen growing on small point of land making off shore a little. There is a bunch of rocks at base of tree.
- 308 . Base of 20' evergreen tree in clump of other evergreen trees. There is one 20' birch tree growing in among evergreens and 8' to the east of the evergreen signal. Tree has been blazed to aid recovery.
- 309 . "STONE CHIMNEY" - Station is the stone chimney at north gable of log house. House is 17 meters in southwest from Mean High-Water Line. House sets on ledge.
- 310 . Base of 50' straight evergreen setting alone. Tree hasn't many branches on east side.
- 311 . Most westerly of bunch of evergreen trees in easterly end of field.
- 312 . Base of 40' evergreen in north end of large open field. Evergreen sets alone in corner of field. There is a barbed wire fence running beside tree. (~~destroyed?~~)
- 313 . Base of 20' evergreen tree setting alone at ^{west?} north end of field.
- 314 . Lone evergreen tree.
- 315 . Base of 25' evergreen tree setting halfway between group of evergreen trees and birch tree. Tree setting on bunch of rocks.
- 316 . Lone 20' evergreen tree setting at south end of open plowed field.
- 317 . "CHIMNEY" - Station is the chimney on south end of house and barn. House painted white with yellow trimmings. Barn is unpainted. Middle part of house is tarpapered on roof and south part of house is shingles.
- 2237 . Evergreen.
- 2238 . Evergreen.
- 2239 . Evergreen.
- 2240 . Evergreen.
- 2241 . Evergreen.

- 2242 . Twin Evergreen.
- 2243 . Evergreen.
- 2244 . Southeast corner offshore end of pier.
- 2245 . Large evergreen.
- 2246 . Small evergreen.
- 2247 . Center of cribbing. (Pier destroyed).
- 2248 . Evergreen.
- 2249 . Off end of pier (north corner). (dest?)
- 2250 . Small evergreen.
- 2251 . North gable on tall brown house.
- 2252 . Evergreen.
- 2253 . "BRICK CHIMNEY" - Station is the brick outside chimney on white weather-board house with black shingled roof, and green trimmings. On the south shore of Eastern Bay and eastern shore of Salisbury Cove. Recoverable Topographic Station.
- 2254 . Large evergreen.
- 2255 . Evergreen.
- 2256 . Northeast gable of small brown house.
- 2257 . "BRICK CHIMNEY" - Station is the brick outside chimney at east gable of house with an upstairs and downstairs porch. Brown shingled with black tar paper shingled roof. White trimming with green shutters. On the southern shore of Eastern Bay just southeast of the Ovens. Recoverable Topographic Station.
- 2258 . Tall evergreen.
- 2439 . "LONG" - Station is the inshore eastern tip of 12' granite rock. Mean High-Water Line 1 meter inshore from station. Standard topographic disc stamped "Long" wedged in drill hole on top of rock. Recoverable Topographic Station.

NOTES
FOR
HYDROGRAPHIC PARTIES

COAST OF MAINE
MAP DRAWING, SURVEY No. T-8576
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 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 ink line, respectively.

The dotted ink line is the approximate position of the Mean Low-Water Line. The dot and dash ink line is the accurately determined 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:

Several rocks on the western shore of Mount Desert Island.

One floating Aid to Navigation at Googins Ledge.

NOTE: For location, see sections of Charts Nos. 306 and 307 attached to this report. These features have been indicated on the section of Charts by a red ink line around the areas in which they fall.

The following charted features are in disagreement with the Map Drawing as detailed in accordance with the field data and should also be investigated:

Two rock ledge areas in Mount Desert Narrows.

Several rocks in Western Bay.

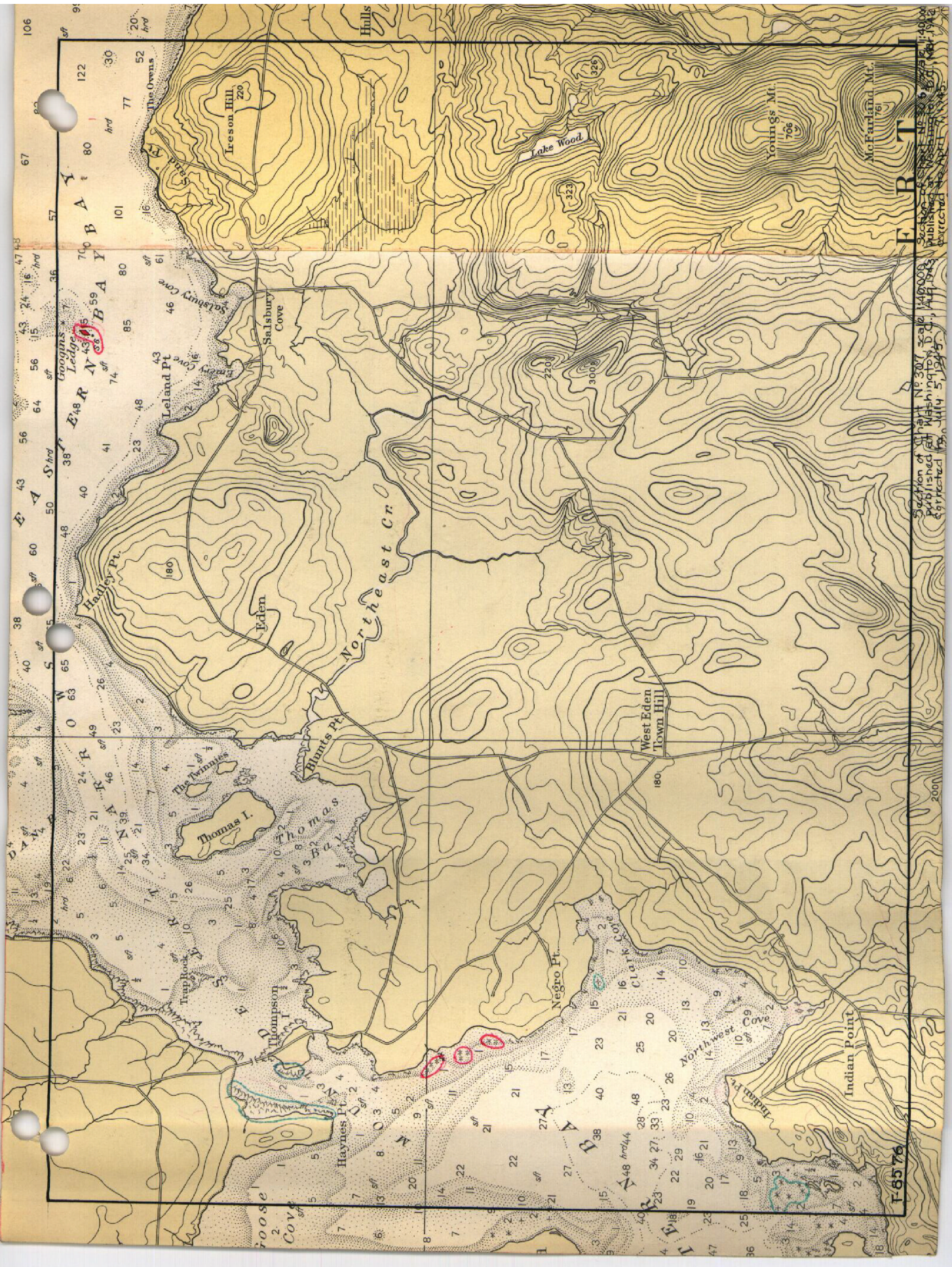
NOTE: For location, see the above-mentioned section of Charts. These features have been indicated by a green ink line around the areas in which they fall.

Respectfully Submitted,
August 30, 1945

Ruth E. Rudolph
Ruth E. Rudolph,
Photogrammetric Aid

Approved and Forwarded:
September 7, 1945

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



F-6576

Section of Chart No. 307, Scale 1:10,000
Published at Washington, D.C., April 1943
Corrected July 5, 1945

Section of Chart No. 307, Scale 1:10,000
Published at Washington, D.C., April 1943
Corrected July 5, 1945

NAUTICAL CHARTS BRANCH

SURVEY NO. 8576

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
6/7/62	307 Recon	M. Rogers	Before After Verification and Review <i>Superseded</i> by T-11342
			Before After Verification and Review
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