

# 8552

Diag'd. on diag. ch. No. 1203

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-8552

### LOCALITY

State Coast of Maine

General locality Isle au Haut Bay  
Western Ear to Moore Head

Locality Saddleback Ledge

194 6

CHIEF OF PARTY

William F. Deane

LIBRARY & ARCHIVES

DATE Mar 19 - 1948

B-1870-1 (1)++

8552

2/3/47 - Chart 225 - J.F.R. Partial application.  
6/11/48 - Ch. 222 G.H.E. Complete  
7/25/52 - Ch 308 - HWB - Exam - No critical Corr  
4/8/57 Reconst 308 - Completely applied after review - JFW  
Applied to Permit 310 by inspect office ERW. 4-27-62

## DATA RECORD

T- 8552

Quadrangle (II):

Project No. (II): CS-272

Field Office:  
Air Photographic Party No. 2

Chief of Party: William F. Deane

Compilation Office:  
Baltimore Photogrammetric Office

Chief of Party: William F. Deane

Instructions dated (II III):

April 1, 1942 (Additional) July 10, 1943  
Horizontal Control Requirements) March 18,  
April 11, & July 17, 1944 (Supplemental)Copy filed in Descriptive  
Report No. T- (VI)  
Dis. Photogram Office FilesAug. 10, 1944 (Additional) Aug. 26, 1944 (Amendment to Additional Instructions)  
Completed survey received in office: 19 Sept. 1944

Reported to Nautical Chart Section:

Reviewed:

*A. N. Meier 10/30/44*

Applied to chart No. 225 Date: 3 Feb. 1947

~~Redrafting Completed:~~ *Printed from original drawing.*

Registered: 20 Feb 1948

Published: *Shoreline - vault copy only*

Compilation Scale: 1:10,000

Published Scale:

Scale Factor (III): 1.000

Geographic Datum (III): N.A. 1927

Datum Plane (III):

Reference Station (III): DUCK HARBOR MTN., 1868, r1934, r 1945.

Lat.:

44° 01' 22.87" 705.9 m

Long.:

68° 38' 59.08" 1315.9 m

~~Adjusted~~

Unadjusted Field

State Plane Coordinates (VI): *East Zone*

X =

Y =

Military Grid Zone (VI)



STATISTICS (III)

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

Shoreline (More than 200 meters to opposite shore): 12 statute miles

Shoreline (Less than 200 meters to opposite shore): 1 statute mile measured along approximate centerline.

Number of Recoverable Topographic Stations established: 6, of which 1 is a Theodolite station.

Number of Temporary Hydrographic Stations located by radial plot: 13

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-8552

COAST OF MAINE  
ISLE AU HAUT BAY  
WESTERN EAR TO MOORE HEAD  
SADDLEBACK LEDGE  
PROJECT No. CS-272

1. DESCRIPTION OF THE AREA:

According to the instructions dated August 10, 1944, the survey for Map Manuscript No. T-8552 is a shoreline survey.

Map Manuscript, Survey No. T-8552 covers an area on the Western and Southern shores of Isle au Haut, and the islands in Isle Au Haut Bay.

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

The interior is hilly and mostly tree covered with the elevation rising from sea level to a maximum of 300 feet. There are a few cleared areas, most of which are near the roads.

2. COMPLETENESS OF FIELD INSPECTION:

The identification of the horizontal control, foreshore and offshore features are complete except for offlying shoal and sunken reef areas not discernible on the photographs. The identification of the approximate Mean Low-Water Line is not complete in several areas. (See heading No. 8, "Mean Low-Water Line").

3. INTREPRETATION OF PHOTOGRAPHS:

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

4. HORIZONTAL CONTROL:

Two previously existing Horizontal Control Stations fall within the limits of this survey. One of these stations, for which Form No. 526, Recovery Note, has been submitted, namely: DUCK HARBOR MTN., 1868, was recovered in good condition. The other has been recovered and identified by the field party in 1943. *See also paragraph 11*

One new Theodolite Station has been established within the area of this survey. Form No. 524 has been submitted for this station.

*"BASE" on Western Ear I.*



5. VERTICAL CONTROL:

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

6. DRAINAGE:

No drainage has been 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.

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

8. MEAN LOW-WATER LINE:

The Mean Low-Water Line was inspected at or near Mean Low-Water wherever practicable. The position of the approximate mean Low-Water line is shown on the field photographs with a dotted green ink line.

The identification of the Mean Low-Water Line is not complete in some areas along the shoreline of this survey. No Mean Low-Water Line in its true position has been identified.

9. WHARVES AND SHORELINE STRUCTURES:

All shoreline structures visible on the photographs within the area of this survey have been identified on the field photographs.

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

Details outside the foreshore area revealed by photography includes rocks that uncover at Mean Low-Water, rock ledge areas, rocky islets, gravel and boulder areas, and a fish trap.

The character of the foreshore area has been indicated on the field photographs. The extent to which prominent rocks and rock ledge areas bare at Mean High-Water, uncover at Mean Low-Water, or uncover at the time of field inspection with time and date, has been noted on the field photographs. The height of each of the small islets above Mean-High-Water has also been noted.

11. LANDMARKS AND FIXED AIDS TO NAVIGATION:

A beacon at Roaring Bull Ledge, 2 miles south of Isle au Haut, is south of the limits of this survey. It is located in an area for which there is no contemporary survey and its position is not revealed by photography.

11. LANDMARKS AND FIXED AIDS TO NAVIGATION: (cont'd)

Saddleback Ledge Light House (also a triangulation station) has been recovered and identified by the field Party in 1943.

No previously charted landmarks fall within the area of this survey and none are recommended.

12. HYDROGRAPHIC CONTROL:

Theodolite stations . . . . .	1
Recoverable Photo (Topographic) Stations . . . . .	5
Temporary Photo (Topographic) Stations . . . . .	13

Descriptions have been furnished for all stations. Forms No. 524 have been submitted for each of the Recoverable Photo (Topographic) Stations, and the Theodolite Station.

14. ROAD CLASSIFICATION:

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

18. GEOGRAPHIC NAMES:

814 ✓

No investigation.



COMPILATION REPORT

MAP MANUSCRIPT SURVEY NO. T-8552

COAST OF MAINE

ISLE AU HAUT BAY

WESTERN EAR TO MOORE HEAD

SADDLEBACK LEDGE

PROJECT NO. CS-272

26. CONTROL

The horizontal control in the area of the Map Manuscript for Survey No. T-8552 consists of six stations, which are as follows:

3 within the detail limits

<u>Name of Station</u>	<u>Type of Station</u>
SADDLEBACK LEDGE, L.H. 1861, r1934, r1943	Triangulation
(a) DUCK HARBOR MTN., 1868, r1934, r1945	Triangulation
(a) BASE, 1945	Theodolite

3 just outside of detail limits

<u>Name of Station</u>	<u>Type of Station</u>
ISLE AU HAUT L. H. 1934, r 1945	Triangulation
ISLE AU HAUT CHURCH SP. 1868, r1945	Triangulation
ISLE AU HAUT 1854, r1945	Triangulation

"(a)" Station identified by "sub-station". The positions of these substitute points have been shown on the Map Manuscript with very small acid ink circles, accompanied with the note "Sub. Sta. #".

All the above control stations were held in the Radial Plot.

27. RADIAL PLOT

The radial plot for the area of this survey is part of a combined plot made with slotted steel templates, and covers the entire area of Surveys T-8551, T-8552, T-8553, T-8554 and T-8555. Satisfactory results were obtained, and the report for the Radial Plot was submitted to the Washington Office, July 19, 1946.

28. DETAILING:

The compilation is in accordance with the written instructions pertaining to Project No. CS-272.

The horizontal control stations, horizontal pass points and the field data available for the compilation of this survey were adequate.

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

30. 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.

31. MEAN LOW-WATER LINE:

The position of the Mean Low-Water Line has been delineated according to the field data. The position of the approximate Mean Low-Water Line has been shown with a dotted black acid ink line. No Mean Low-Water Line in its true position has been identified by the field Party and none has been shown on the Map Manuscript.

Only those portions of the approximate M.L.W.L., identified by the Field Inspection Party in the area of Moore Head, Western Head and Head Harbor have been delineated on the Map Manuscript.

31A FORESHORE AREAS:

The foreshore areas shown on the Map Manuscript consist of rock ledge, boulders and sand and gravel beaches, all of which have been delineated in accordance with the field data. The extent to which detached rocks and high spots in ledge within the area bare at Mean High-Water or uncover at Mean Low-Water have been shown on the Map Manuscript with notes which are in accordance with the field data.

31B SHOAL LINES:

The approximate position of the outer limits of shoal areas was delineated 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. The shoal lines are shown with a long dashed black acid ink line accompanied with the note "shoal".

31.C REEF LINES:

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

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

The offshore features include boulders, small rock islets, reefs, rocks awash, rock ledge areas, and a fish trap.

These features have been delineated in accordance with the field data and careful interpretation by the compilation office.

The extent to which detached rocks and high spots of ledge within the foreshore area bare at Mean High-Water, cover or uncover at Mean Low-Water have been shown on the Map Manuscript with notes in accordance with the field data.

33. WHARVES AND SHORELINE STRUCTURES.

One pier and one cribbing are the only shoreline, structures within the area of the survey and they have been delineated in accordance with the field data.

34. LANDMARKS AND FIXED AIDS TO NAVIGATION:

One previously charted fixed aid to Navigation, SADDLEBACK LEDGE LIGHTHOUSE, 1861, r 1934, r 1943, (also a triangulation Station) falls within the limits of the survey.

~~Another previously charted fixed aid to navigation, a beacon at Roaring Bull Ledge is listed as "Roaring Bull Ledge Lighted Whistle Buoy" in the 1946 Light List. This beacon is 2 miles south of Isle au Haut and is south of the limits of this survey; it is located in an area for which there is no contemporary survey and its position is not revealed by photography.~~ not a beacon  
ICTA

No previously charted landmarks fall within the area of this survey and none were recommended by the Field Unit.

35. HYDROGRAPHIC CONTROL:

- 5 Recoverable Photo. (Topographic) Stations.
- 1 Theodolite Station.
- 13 Temporary Photo.(Topographic) Stations

A descriptive list of all the hydrographic control stations has been compiled. and is attached to this report. Two additional copies have been furnished for use by the Hydrographic Parties.

Form No. 524 is being submitted for each of the 5 Recoverable Photo (Topographic) Stations, and the 1 Theodolite Station.

37. GEOGRAPHIC NAMES:

As instructed, no geographic names investigation was made by the field unit. The Geographic names appearing on the Map Manuscript have been taken from Nautical Chart No. 309, and the U. S. Geological Survey Quadrangle map of Deer Isle, Maine. <sup>814</sup>

A list of Geographic Names is attached to this report.

38. JUNCTIONS

The junctions with Map Manuscript Survey No. T-8551 to the north and T-8553 to the east, have been made and are in agreement.

The junction with Map Manuscript for Survey No. T-8030 to the west is an all water area.

There is no contemporary survey to the south.

39. POSITION ACCURACY OF IMPORTANT PLANIMETRIC DETAILS.

The position of all detail of importance is believed to be within 0.5 millimeters of true position.

40. RECOMMENDATIONS FOR FUTURE SURVEYS.

Map Manuscript Survey No. T-8552, 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 the next hydrographic survey. These features have been noted in "Notes to Hydrographic Parties", attached to this report and indicated on a section of nautical chart No. 309, also attached to this report.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES.

United States Geological Survey, Deer Isle, Maine Quadrangle, 15' series, scale 1:62,500, edition of 1904, reprinted 1940.

Details common to the Map Manuscript and to the Quadrangle are, in general, in good agreement. Minor differences are discussed in "Notes to Reviewer", attached to this report.

45. COMPARISON WITH NAUTICAL CHARTS.

United States Coast and Geodetic Survey Chart No. 309, scale 1:40,000 published in Washington, D. C., July 1943 and corrected to April 1946 (common area).

In general, planimetry common to the Map Manuscript and the chart is in good agreement. Minor differences in land features are mentioned in "Notes to Reviewer" and offshore features for which data were lacking have been mentioned in "Notes to Hydrographic Parties", attached to this descriptive report.

Respectfully submitted  
8 August 1946

Leo J. Kornetsky  
Leo J. Kornetsky  
Engineering Aid

Map Manuscript and  
Descriptive Report  
Reviewed by:

Raymond Glaser  
Raymond Glaser  
Engineering Draftsman

Compilation of Map Manu-  
script Supervised by

Harry R. Rudolph  
Harry R. Rudolph  
Photogrammetric Engineer

Approved and Forwarded  
25 September 1946

William F. Deane  
William F. Deane  
Chief of Party, C&G Survey  
Officer in Charge  
Baltimore Photogrammetric Office

IDENTIFICATION REPORT

HORIZONTAL CONTROL

MAP MANUSCRIPT, SURVEY NO. T-8552

PROJECT NO. CS.272

STATION	U.S.G.S. Quad.	Recovery Data	Pricking Data
SADDLEBACK LEDGE LIGHT HOUSE, 1861, r 1934, r 1943	Deer Isle	1943	Positive
DUCK HARBOR MOUNTAIN, 1868, r 1934, r 1945	" "	1945	Positive
BASE, 1945	" "	1945 (new)	Positive



GEOGRAPHIC NAMES

Taken from Nautical Chart No. 309, United States Coast and Geodetic Survey, and U. S. Geological Survey Deer Isle Quadrangle

Undisputed

- |                    |  |
|--------------------|--|
| • Bald Mountain    | • Moore Harbor Ledge                   |
| • Big Brewster     | • Moore Head ( <del>see below</del> )  |
| • Black Ledges     | • Rock T                               |
| • Duck Harbor      | • Saddleback Ledge                     |
| Duck Harbor Ledge  | Saddleback Ledge Shoal                 |
| Flat Ledge         | • The Brandies                         |
| • Haddock Ledge    | • The Seal Trap                        |
| • Head Harbor      | The Washers                            |
| • Isle au Haut     | • Trial Point ( <del>see below</del> ) |
| • Isle au Haut Bay | Trial Point Ledge                      |
| • Keeler Rock      | • Western Ear                          |
| Middle Ground      | Western Ear Ledge                      |
| • Moore Harbor     | • Western Head                         |

Names preceded by . are shown on manuscript and are approved. The names ~~Moore Head~~ and ~~Trial Point~~ should be transposed, the former name being applied on north side of Moore Harbor, and Trial Point on the west side of The Seal Trap.

GEOGRAPHIC NAMES

L. Heck 9/12/47

The names Moore Head and Trial Point are correct as shown.

JB 3/11/48

COAST OF MAINE  
PROJECT No. CS-272

DESCRIPTIONS OF THEODOLITE STATIONS, RECOVERABLE PHOTO  
(TOPOGRAPHIC) STATIONS AND TEMPORARY PHOTO (TOPOGRAPHIC)  
STATIONS FOR THE AREA OF MAP MANUSCRIPT, SURVEY No. T-8552.

NUMBER OF THEODOLITE STATIONS..... 1  
NUMBER OF RECOVERABLE PHOTO (TOPOGRAPHIC) STATIONS.... 5  
NUMBER OF TEMPORARY PHOTO (TOPOGRAPHIC) STATIONS.....13  
TOTAL NUMBER OF STATIONS.....19

LISTED BY: Harry R. Rudolph  
Harry R. Rudolph  
Photogrammetric Engineer

CHECKED BY: Ruth E. Rudolph  
Ruth E. Rudolph  
Photogrammetric Aid

NOTES  
FOR  
REVIEWER  
COAST OF MAINE  
MAP MANUSCRIPT SURVEY No. T-8552

Project No CS-272

All details have been shown with the usual symbols.

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

The  $2\frac{1}{2}$  millimeter black acid ink circles are the positions of Theodolite Stations, Recoverable Photo (Topographic) Stations, and Temporary Photo (Topographic) Stations. Such circles, accompanied with a name and date (1945) are the positions of Recoverable Photo (Topographic) Stations. All other such circles accompanied with a number only are positions of the Temporary Photo (Topographic) Stations. A list of all of the hydrographic control stations is attached to this report.

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

The photographs contain no appreciable tilt or differential distortion.

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

The approximate outer limits of shoal areas have been delineated according to office interpretation and are shown with a long dashed black acid ink line accompanied with the note "shoal".

The approximate limits of reef areas have been delineated according to office interpretation of the photographs and are shown with a short dashed black acid ink line accompanied with the note "Reef".

The following discrepancies between the Map Manuscript and the United States Geological Survey Deer Isle Quadrangle were found:

Shown on Map Manuscript but not on Quadrangle:

All foreshore and offshore features, several buildings, several minor roads, wooded areas, and the following geographic names:

Big Brewster  
Black Ledges  
Duck Harbor Ledge  
Flat Ledge  
Haddock Ledge



Keeler Rock  
Middle Ground  
Moore Harbor Ledge  
Rock T  
Saddleback Ledge Shoal  
The Brandies  
The Washers  
Trial Point Ledge  
Western Ear Ledge

The following discrepancies between the Map Manuscript and the Nautical Chart were found:

Shown on the Map Manuscript but not charted:

A number of bare rocks, rock islets, rocks awash, much rock ledge, all buildings, several minor roads, a pier, a cribbing, and wooded areas.

Charted but not shown on the Map Manuscript:

Two high water rocks in Moore Harbor ✓  
Trial Point Ledge, just W. of Trial Point  
Duck Harbor Ledge, just NW of Duck Harbor  
A high water rock just SW of entrance to Duck Harbor ✓  
A high water rock just W of Haddock Ledge ✓  
A rock awash NE of The Brandies  
A high water rock at The Brandies ✓  
Two rocks awash and a high water rock just offshore from the westernmost point of Isle au Haut  
The Washers (two rocks awash W of Keeler Rock.)  
Two high water rocks at Big Brewster  
A rock awash just W of Big Brewster  
Two high water rocks just E of Western Ear  
Western Ear Ledge (a rock awash S of Western Ear)  
A buoy and a cable area in the vicinity of Saddleback Ledge Shoal  
A high water rock E of Western Head  
Middle Ground, NE of Western Ear  
Roaring Bull Ledge and the Bearon at Roaring Bull Ledge, located S. of the southern limit of the survey  
A buoy to the east of Saddleback Ledge.  
Saddleback Ledge Shoal to the NW of Saddleback Ledge.

Features in disagreement with the Nautical Chart:

Rock T, charted as a high water rock is shown on the Map Manuscript as a rock ledge area.

A charted high water rock SE of The Brandies is shown on the Map Manuscript as a ledge awash.

Five charted high water rocks between The Brandies and Haddock Ledge are shown on the Map Manuscript as three ledge areas.

Four charted high water rocks NW of Western Head are shown on the Map Manuscript as two ledge areas and two rocks awash.

Two charted high water rocks W of Western Head are shown on the Map Manuscript as two rocks awash.

Keeler Rock, charted with a high-water line is shown as ledge on the Map Manuscript.

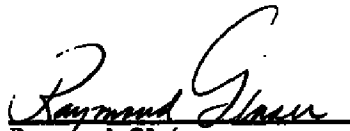
A charted high water rock SW of Western Head is shown as a rock awash on the Map Manuscript.

A charted projecting point of land on the southeast of Western Head is shown as a detached high water islet on the Map Manuscript.


A charted high water rock SE of Western Head is shown as two ledge areas awash on the Map Manuscript.

A charted ledge area to the NE of Western Head is shown as a high water rock on the Map Manuscript.

Respectfully submitted:  
September 18, 1946

  
Raymond Glaser  
Engineering Draftsman

Approved and Forwarded:  
September 25, 1946

  
William F. Deane,  
Chief of Party, C&G Survey  
Officer in Charge  
Baltimore Photogrammetric Office

NOTES  
FOR  
HYDROGRAPHIC PARTIES  
(REVISED)  
COAST OF MAINE  
ISLE AU HAUT BAY  
WESTERN EAR TO MOORE HEAD  
SADDLEBACK LEDGE  
MAP MANUSCRIPT, SURVEY NO. T-8552

Project No. CS-272

The 2½ millimeter black acid ink circles are the positions of selected Theodolite Stations, Recoverable Photo (Topographic) Stations and the Temporary Photo (Topographic) Stations. Such circles accompanied by a name and date (1945) are the positions of the Theodolite Stations and Recoverable Photo (Topographic) Stations. All other circles, accompanied by a number only, are the positions of the Temporary Photo (Topographic) Stations. Two copies of the list of descriptions of all of the Photo (Topographic) Stations have been furnished for your use.

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

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

The outline of reef areas are approximate and are for your advance information only. They are shown with short dashed black acid ink lines, accompanied by the note "Reef".

The following charted features were not definitely revealed by photography and should be investigated during the next hydrographic survey:

Two high water rocks in Moore Harbor  
Trial Point Ledge, just W of Trial Point  
Duck Harbor Ledge, just NW of Duck Harbor  
A high water rock just SW of entrance to Duck Harbor  
A high water rock just W of Haddock Ledge  
A rock awash NE of The Brandies  
A high water rock at The Brandies.  
Two rocks awash and a high water rock just offshore from the westernmost point of Isle au Haut.  
The Washers (two rocks awash W of Keeler Rock)  
Two high water rocks at Big Brewster  
A rock awash just W of Big Brewster  
Two high water rocks just E of Western Ear



Western Ear Ledge (a rock awash S of Western Ear.)  
A buoy and a cable area in the vicinity of Saddleback  
Ledge Shoal  
A high water rock E of Western Head  
Middle Ground, NE of Western Ear  
Roaring Bull Ledge and the beacon at Roaring Bull Ledge,  
located S of the southern limit of the survey  
A buoy to the east of Saddleback Ledge  
Saddleback Ledge Shoal to the NW of Saddleback Ledge.

The following are disagreements between the Nautical Chart and  
the Map Manuscript:

Rock T, charted as a high water rock is shown on the Map  
Manuscript as a rock ledge area.  
A charted high water rock SE of The Brandies is shown on  
the Map Manuscript as a ledge awash.  
Five charted high water rocks between The Brandies and  
Haddock Ledge are shown on the Map Manuscript as three  
ledge areas.  
Four charted high water rocks NW of Western Head are shown  
on the Map Manuscript as two ledge areas and two rocks  
awash.  
Two charted high water rocks W of Western Head are shown  
on the Map Manuscript as two rocks awash.  
Keeler Rock charted with a high-water line is shown as  
ledge on the Map Manuscript.  
A charted high water rock SW of Western Head is shown as  
a rock awash on the Map Manuscript.  
A charted projecting point of land on the southeast of Western  
Head is shown as a detached high water islet on the Map  
Manuscript.  
A charted high water rock SE of Western Head is shown as two  
ledge areas awash on the Map Manuscript.  
A charted ledge area to the NE of Western Head is shown as a  
high water rock on the Map Manuscript.

Note: For location see section of Nautical Chart No. 309 attached  
to this report. The features not revealed by photography  
have been indicated by a red ink line around the area in  
which they fall and the features in disagreement have been  
indicated by a green ink line.

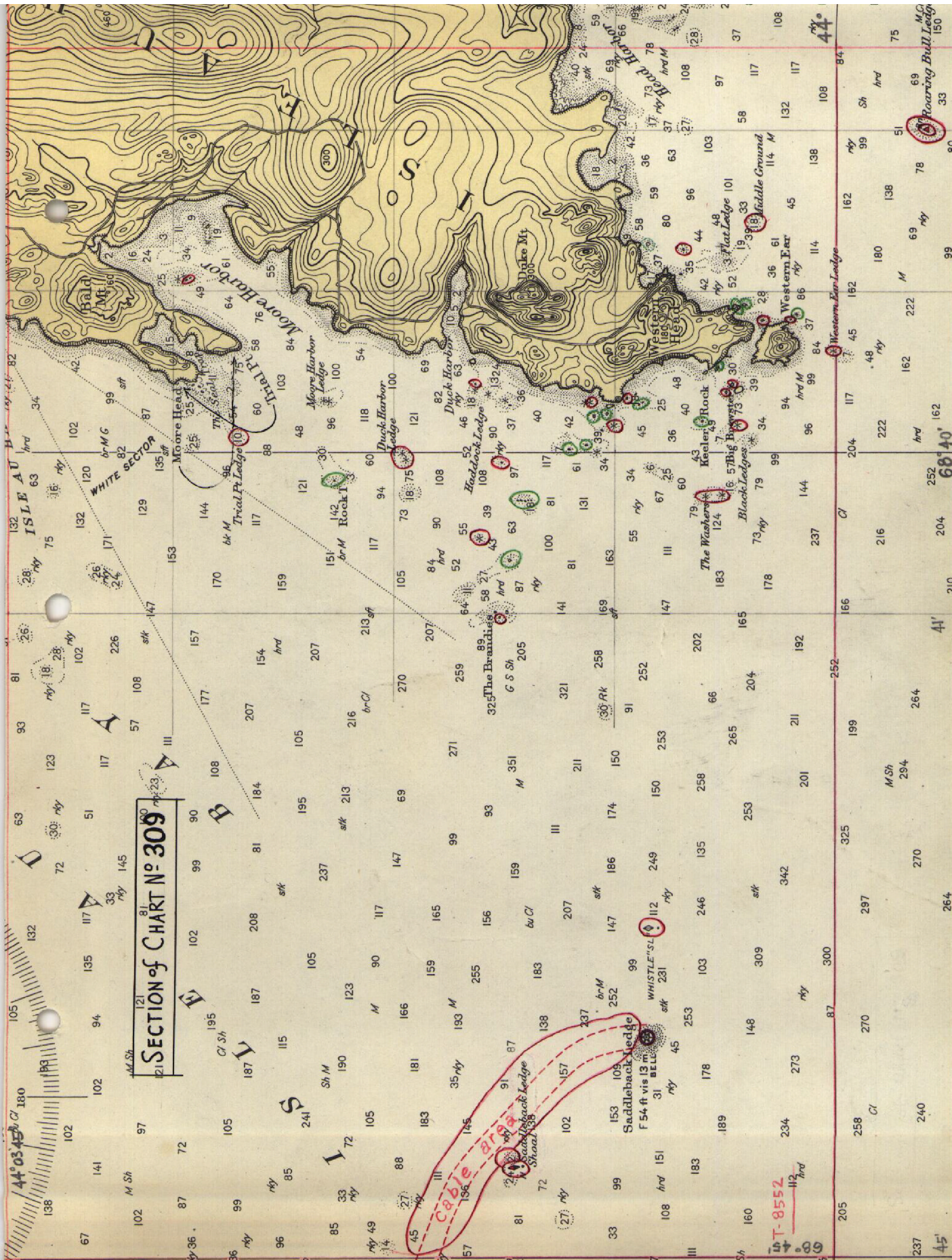
Approved and Forwarded:  
25 September 1946

William F. Deane  
William F. Deane,  
Chief of Party, C&G Survey  
Officer in Charge  
Baltimore Photogrammetric Office

Respectfully submitted:  
16 September 1946

Raymond Glaser  
Raymond Glaser  
Engineering Draftsman





SECTION of CHART No 309

Cable area

Saddleback Ledge  
F 54 ft vis 13 m  
31 BELL

T-8552

Roaring Bull Ledge

44°

68° 40'

41'

45



Division of Photogrammetry  
Review and Supplemental Review of  
Shoreline Survey Manuscript T-8552

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

This reexamination of map manuscript T-8552 was necessitated in order to bring all of the manuscripts in Project CS-272E into congruence. No changes were made that would affect nautical charts. All corrections have been shown on the manuscript in red acid ink.

32 to 38. Compilation. -

The map manuscript showed a dashed line outside the ledge and low water lines marked "reef" and "shoal". This line was placed on the map drawing wholly from office interpretation of the photographs. Comparison with existing nautical charts indicates that this line showed no consistency with respect to soundings, and as this line would be of no value to the hydrographer, and because the compiler obviously did not have a clear understanding of the terms "reef" and "shoal", this line has been removed from the manuscript, except where evident from photo interpretation.

The rock heights and their symbols were changed to conform with Photogrammetry Instructions No. 3, dated 12/23/46.

44. Comparisons with Existing Topographic Quadrangles. -

The manuscript was compared with U.S.G.S. quadrangle Deer Isle, Me., 1:62,500, 1941-42. The comparison was favorable with exceptions as noted in "Notes for Reviewer" attached to this Descriptive Report.

The manuscript was compared with the following topographic surveys:

T-1157b	1:10,000	1870
T-1311	1:10,000	1872
T-1383a	1:20,000	1874

45. Comparison with Nautical Charts. -

The manuscript was compared with Nautical Chart No. 309, 1:40,000. Disagreements are noted in "Notes for Reviewer" attached to this Descriptive Report.

The manuscript was partially applied to Nautical Charts 225 prior to completion of the review. No changes have been made which affect the nautical chart.

Reviewed by:

K. N. Maki  
K. N. Maki  
Photogrammetrist 10/30/46

Howard W. Thune  
Howard W. Thune  
Photogrammetrist 3/6/47

Reviewed under the direction of:

S. J. Gippin  
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- 2025 - 15' evergreen.
- 2026 - 20' evergreen.
- 2028 - 15' evergreen.
- 2029 - 15' lone evergreen, was twin evergreen, half of tree fallen down to westward.
- 2030 - Westerly evergreen of group of closely grown evergreens.
- 2031 - 5' evergreen, southerly on point.
- 2032 - "BERM, 1945" - Station is a bronze disc set in drill hole in white ledge. Station is north of finger of grass running southeast toward Mean High-Water Line. Station is located on the southern shore of Isle au Haut approximately 3/4 mile northeast of the southern tip of Western Head. 23 meters in from the Mean High-Water Line. Recoverable Photo (Topographic) Station.
- 2033 - "BASE, 1945" - Station is a bronze disc set in drill hole in rock ledge on western side of Western Ear, approximately 150 meters south of the northern tip of Western Ear. Six meters in from the Mean High-Water Line. Theodolite Station.
- 2034 - 30' evergreen.
- 2035 - Center of water filled depression in ledge.
- 2036 - 20' evergreen.
- 2037 - Center of water filled depression in ledge.
- 2038 - "ITEM, 1945" - Station is a bronze disc set in drill hole in ledge about 30 meters northwest of highest ledge on point, on a high point of land. Station is located on the western shore of Isle au Haut approximately 2/3 mile northwest of the southern tip of Western Head, 8 meters in from Mean High-Water Line. Recoverable Photo (Topographic) Station.

- 2039 - Center of top of rock.
- 2040 - "GABLE, 1945" - Station is the west gable of a one story unpainted house. Station is located on the western side of Isle au Haut approximately 100 meters north of the northern shore of Duck Harbor. Recoverable Photo (Topographic) Station.
- 2041 - "BEEH, 1945" - Station is a bronze disc set in drill hole in rock, 1.5 meters southeast of 7 foot evergreen and 8 meters from Mean High-Water Line. Station is located on the southern tip of Trial Point on the western side of Isle au Haut. Recoverable Photo (Topographic) Station.
- 2042 - "CHIMNEY, 1945" - Station is a brick chimney on center of two story house. House is the southerly one of two at head of Moore Harbor. Upper story is painted green and lower section is painted red. Recoverable Photo (Topographic) Station.
- 2044 - Conspicuous white top boulder.
- 2045 - West corner of shore end of cribbing.