

# 8553

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 Survey)  
Field No. \_\_\_\_\_ Office No. T-8553

### LOCALITY

State Maine  
General locality Coast of Maine  
Locality Isle Au Haut, Head Harbor to York  
Island and Great Spoon Island.

194 6

### CHIEF OF PARTY

Fred. L. Peacock

### LIBRARY & ARCHIVES

DATE

Mar 19-1948

B-1870-1 (1)++

# 8553

## DATA RECORD

2- 8553

Quadrangle (II):

Project No. (II): CS-272

Field Office:

Chief of Party: Fred. L. Peacock

Air Photographic Party No. 2

Compilation Office:

Chief of Party: Fred. L. Peacock

Baltimore Photogrammetric Office

Instructions dated (II III):

Copy filed in Descriptive

April 1, 1942 (Additional) July 10, 1943 (Horizontal, Report No. ~~2~~ (VI)  
 Control Requirements), March 18, April 11, July 17, 1944, Div. Photogram Office Files  
 (Supplemental), August 10, 1944 (Additional), August 26  
 1944 (Amendment to Additional Instructions)  
 Completed survey received in office: 6/21/46

Reported to Nautical Chart Section:

Reviewed *H. W. Thorne* 2/10/47 Applied to chart No. 220  
 308  
 309

Date: 3 Feb. 1947 (partial)  
 10 Oct. 1946 "  
 8 Nov. 1946 "

Redrafting Completed: *Printed from original drawing*Registered: *March* ~~20 Feb.~~ 1948Published: *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): GREAT SPOON ISLAND, 1868, r.1944

Lat.: 44° 02' 36.235" 1118.4 m. Long.: 68° 33' 33.240" 740.1m ~~Unadjusted~~ Adjusted

State Plane Coordinates (VI): *East Zone*

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
44-C-1454 to 44-C-1455 incl.	5-29-44	1145	1:10,000	2.1' above M.L.W.
44-C-1529 to 44-C-1533 incl.	5-29-44	1245	1:10,000	3.7' above M.L.W.
44-C-1773	6-5-44	1145	1:10,000	5.7' above M.L.W.

Tide from (III), Predicted Tide Tables, Atlantic Ocean, 1944.  
 Reference Station-Portland, Maine, with corrections to Head Harbor,  
 Mean Range: 9.1 Spring Range: 10.4 Isle Au Haut

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: August 1945

Field Edit by: \_\_\_\_\_ date:

Date of Mean High-Water Line Location (III), Same as date of photographs supplemented by field data obtained during August 1945.

Projection and Grids ruled by (III) S.R. date: 4-9-46  
 " " " checked by: S.R. date: 4-9-46  
 Control plotted by: Raymond Glaser date: 4-15-46  
 Control checked by: Florence M. Senasack date: 4-16-46  
 Radial Plot by: F.Tarcza and H.R.Rudolph date: April 1946

→ Detailed by: Ruth E. Rudolph (shoreline) date: 4-29-to 5-3-46  
 Ruth E. Rudolph (adjacent culture) 5-29-46  
 Reviewed in compilation office by: date:  
 Harry R. Rudolph (shoreline) 5-6-46  
 Harry R. Rudolph (adjacent culture) 6-13-46  
 Elevations on Field Edit Sheet *Map Room*  
 checked by: *H.W. Thum* date: 2/1/47

STATISTICS (III)

Land Area (Sq. Statute Miles): 1-3/4

Shoreline (More than 200 meters to opposite shore): 11 statute miles

Shoreline (Less than 200 meters to opposite shore): 1 1/2 statute mile  
(measured along approximate centerline)

Number of Recoverable Topographic Stations established: 2, (one of which is  
also a Tidal Bench Mark)

Number of Temporary Hydrographic Stations located by radial plot: 15

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-8553

COAST OF MAINE  
ISLE AU HAUT

HEAD HARBOR TO YORK ISLAND  
AND GREAT SPOON ISLAND

PROJECT NO. CS-272

1. DESCRIPTION OF THE AREA:

According to the Instructions dated August 10, 1944, Map Manuscript, Survey No. T-8553 is a shoreline survey.

Map Manuscript, Survey No. T-8553, covers the eastern side of the Isle au Haut from Head Harbor to York Island and other smaller islands, the largest being Great Spoon Island.

Immediately adjacent to the Mean High-Water Line, the terrain is, in general, very rocky. The foreshore area is commonly ledge rock with a few stretches of gravel and boulders in the coves.

The interior of the Isle au Haut is mostly tree covered and hilly, the elevation rising from sea level to a maximum of 460 feet. The adjacent islands are mostly covered with grass.

2. COMPLETENESS OF FIELD INSPECTION:

The identification of the horizontal control, the Mean High-Water Line, foreshore and offshore features are complete except for offlying shoal and sunken reef areas not discernible on the photographs. Only portions of the Mean Low-Water Line have been inspected.

3. INTERPRETATION OF THE PHOTOGRAPHS:

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

4. HORIZONTAL CONTROL:

One previously established horizontal control station was recovered in good condition and accurately identified by a Substitute Station. Four new triangulation stations were established by the Field Unit and these new stations were also identified by Substitute Stations.

*See Identification Report, - attached hereto.  
& Compilation Report*



4. HORIZONTAL CONTROL: (Continued)

Form No. 526, Recovery Note, has been submitted for the previously established horizontal control station. Form No. 525, Description of Triangulation Station, has been submitted for each of the four new stations.

5. VERTICAL CONTROL:

Three Tidal Bench Marks were recovered in good condition in the vicinity of Bungy Point. However, only one, namely: Bench Mark #3 (1911), was identified on the field photographs. This Bench Mark is also a Recoverable Photo (Topographic) Station and Form No. 524 has been submitted for it. Form No. 685, Report on Condition of Bench Mark, has been submitted for each of the three Tidal Bench Marks. Nos. 1, 2, & 3

( See also paragraph 12

6. DRAINAGE:

Drainage has not 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 shore or by traversing on foot. Where the Mean High-Water Line could not be directly identified on the field photographs, reference measurements were taken or the distance estimated from some well defined point.

Alongshore 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.

Offshore rocks and reef areas, revealed by photography, which are covered at Mean High-Water, have been identified on the field photographs with the amount to which they cover or uncover at Mean Low-Water noted.

8. MEAN LOW-WATER LINE:

The Mean Low-Water Line was inspected at or near Mean Low-Water whenever practicable.

Most of the Mean Low-Water Line has been identified by the Field Unit. The approximate position of the Mean Low-Water Line is shown on the field photographs with a dotted green ink line and the true position is shown with a dot and dash green ink line.

9. WHARVES AND SHORELINE STRUCTURES:

Two cribbings are the only shoreline structures within the area of this survey and they have been identified on the field photographs.



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

Details outside the foreshore area revealed by photography include several rocks and rock ledge areas that uncover at Mean Low-Water or bare at Mean High-Water, small rocky islets, gravel, and boulder areas.

The character of the foreshore area has been indicated on the field photographs. The extent to which several prominent rocks and rock ledge areas uncover at Mean Low-Water, bare at Mean High-Water, or uncover at the time of the 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 AIDS TO NAVIGATION:

No previously charted Landmarks or Non-Floating Aids to Navigation fall within the area of this survey and none are recommended.

12. HYDROGRAPHIC CONTROL:

2 Recoverable Photo (Topographic) Stations. [ *BH 3. 1911 (No. 2027)*  
*Gable (No. 2018)* ]  
15 Temporary Photo (Topographic) Stations.

Descriptions have been furnished for all stations.

Form No. 524 has been submitted for each of the Recoverable Photo (Topographic) Stations.

14. ROAD CLASSIFICATION:

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

18. GEOGRAPHIC NAMES:

No investigation.

COMPILATION REPORT

MAP MANUSCRIPT, SURVEY NO. T-8553

COAST OF MAINE  
ISLE AU HAUT  
HEAD HARBOR TO YORK ISLAND  
AND GREAT SPOON ISLAND.  
PROJECT NO. GS-272

26. CONTROL:

The horizontal control in the area of the Map Manuscript for Survey No. T-8553 consists of seven stations. They are as follows:

5 within the detail limits

<u>Name of Station</u>	<u>Type of Station</u>
*EASTERN, 1945	Triangulation (new)
* GREAT SPOON ISLAND, 1868, r. 1934, r. 1945.	Triangulation
**HORSE, 1945	Triangulation (new)
* SHORE, 1945	Triangulation (new)
* TURNIP, 1945	Triangulation (new)

2 just outside the detail limits

ISLE AU HAUT, 1854	Triangulation
* YORK ISLAND, 1868, r. 1945	Triangulation

\* Station identified by a Substitute Station. The positions of the Substitute Stations have been shown on the Map Manuscript with very small black acid ink circles accompanied with the note "Sub. Sta."

\*\* Station identified by a Reference Mark. The position of this Reference Mark has been shown on the Map Manuscript with a very small black acid ink circle accompanied with the note "R.M.#1".

\* The position of the Substitute Station for GREAT SPOON ISLAND, 1868, r. 1934, r. 1945, could not be computed, as no data were available for establishing an azimuth to the initial used by the Field Unit of 1945. The geographic position of the Triangulation Station was plotted on the Map Manuscript. The position of the Substitute Station was radially plotted and is shown on the Map Manuscript with a red acid ink circle

26. CONTROL: (Continued)

accompanied with the note "Sub. Sta.". The distance between the Triangulation Station and the radially plotted Substitute Station checked the field unit measurement within 0.1mm. However, the azimuth to the Substitute Station may be in error.

All but one, GREAT SPOON ISLAND, 1868, r. 1934, r. 1945, of the above horizontal control stations were used for controlling the radial plot.

27. RADIAL PLOT:

The radial plot for the area of this Survey is part of a combined plot made with slotted steel templates. Satisfactory results were obtained. The Radial Plot Report will be submitted at a later date.

28. DETAILING.

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

The horizontal control stations and horizontal pass points available for the compilation of the survey were adequate. The field data and the photographic coverage were not adequate, however.

No field data were available for delineating the entire area of Long Pond and several sections of the Mean Low-Water Line along the northern shore of Head Harbor, along the eastern shore of Isle au Haut, a portion along the eastern shore of Eastern Ear, around the islands in The Cow Pen, around Great Spoon Island, Black Horse or White Horse.

Long Pond was delineated after careful stereoscopic examination of the office photographs.

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 has been delineated in accordance with the field data and has been shown with a solid heavy-weight black acid ink line.

31. MEAN LOW-WATER LINE:

The position of the Mean Low-Water Line has been delineated in

31. MEAN LOW-WATER LINE:(Continued)

accordance with the field data and has not been shown unless identified by the Field Unit. The approximate position of the Mean Low-Water Line has been shown with a dotted black acid ink line. The position of the Mean Low-Water Line accurately identified by the Field Unit has been shown with an alternate dot and dash black acid ink line.

31A. SHOAL LINES:

shown

There are no shoal lines/within the area of this survey.

31B. REEF LINES:

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

31C. FORESHORE AREAS:

The foreshore areas consist of rock ledge, boulders, rocks, (including detached rocks), and gravel beaches. Such features have been delineated, in accordance with the field data. 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 which are in accordance with the field data.

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

The offshore features include several rocks awash, small rock islets, and small reefs. Such features have been delineated in accordance with the field data.

The extent to which the offshore features bare at Mean High-Water or uncover or cover at Mean Low-Water have been shown on the Map Manuscript by notes in accordance with the field data.

33. WHARVES AND SHORELINE STRUCTURES:

Two cribbings in a cove in the northern part of Head Harbor 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 AIDS TO NAVIGATION:

No previously charted Landmarks or Non-Floating Aids to Navigation fall within the area of this survey. None were recommended by the Field Unit.



35. HYDROGRAPHIC CONTROL:

- 2 Recoverable Photo (Topographic) Stations.
- 15 Temporary Photo (Topographic) Stations.

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

Form No. 524 is being submitted for each of the two Recoverable Photo (Topographic) Stations.

38. GEOGRAPHIC NAMES: 814 ✓

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. A list of names is attached to this report.

39. JUNCTIONS:

The junction with Map Manuscript for Survey No. T-8554 to the north has been made and is in agreement.

The junction with Map Manuscript for Survey No. T-8552 to the west has been made and is also in agreement.

The remaining junctions are all-water areas.

40. HORIZONTAL ACCURACY:

The position of all detail of importance is believed to be with 0.5 mm.

41. RECOMMENDATIONS FOR FUTURE SURVEYS:

Map Manuscript, Survey No. T-8553 is complete with respect to all known details necessary for charting except those not definitely revealed by photography, which should be investigated during the next hydrographic survey. These features have been noted in "Notes for 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 (15' series) Quadrangle, Scale 1:62,500, edition of 1904 reprinted 1940.

In general, planimetry common to the Map Manuscript and to the Quadrangle is in good agreement.

H-7152 1/10 000 1946  
covers this map area.  
(LTS)



44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES: (Continued)

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 at Washington, D. C. July 1943 (8th Edition)(First Edition 1882), Corrected to April 27, 1946.

In general, planimetry common to the Map Manuscript and to the Chart is in good agreement.

Minor differences in land features are mentioned in "Notes to Reviewer" attached to this report and differences in offshore features for which data were lacking are mentioned in "Notes for Hydrographic Parties" also attached to this report.

Respectfully submitted:  
June 13, 1946

Ruth E. Rudolph  
Ruth E. Rudolph  
Photogrammetric Aid

Map Manuscript and Descriptive  
Report Reviewed by:

Harry R. Rudolph  
Harry R. Rudolph  
Photogrammetric Engineer

Compilation of Map Manuscript  
Supervised by:

Harry R. Rudolph  
Harry R. Rudolph  
Photogrammetric Engineer

Approved and Forwarded  
June 19, 1946

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



1945

IDENTIFICATION REPORT

HORIZONTAL CONTROL

MAP MANUSCRIPT, SURVEY NO. T-8553

PROJECT NO. CS-272

Station	U.S.G.S. Quadrangle	Recovery Date	Pricking Data
* EASTERN, 1945	Deer Isle	8-4-45 (new)	Positive
+ GREAT SPOON ISLAND, 1868, 1934	Deer Isle	8-4-45	Positive
*** HORSE, 1945	Deer Isle	8-6-45 (new)	Positive
* SHORE, 1945	Deer Isle	8-4-45 (new)	Positive
* TURNIP, 1945	Deer Isle	8-23-45 (new)	Positive

\* Station identified by a Substitute Station. The positions of the Substitute Stations have been shown on the Map Manuscript with very small black acid ink circles accompanied with the note "Sub. Sta."

+ The position of the Substitute Station could not be computed, as no data for establishing an azimuth to the initial used by the Field Unit, were available. The geographic position of the Triangulation Station was plotted on the Map Manuscript. The position of the Substitute Station was radially plotted and is shown on the Map Manuscript with a red acid ink circle accompanied with the note "Sub. Sta." The distance between the Triangulation Station and the radially plotted Substitute Station checked the field unit measurement within 0.1mm. However, the azimuth to the Substitute Station may be in error. Not used to control the radial plot.

\*\*\* Station identified by a Reference Mark. The position of this Reference Mark has been shown on the Map Manuscript with a very small black acid ink circle accompanied with the note "R.M.#1".

NOTES  
FOR  
HYDROGRAPHIC PARTIES  
  
COAST OF MAINE  
MAP MANUSCRIPT, SURVEY No. T-8553  
  
Project No. CS-272-E

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

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

The dotted acid ink line is the approximate position of the Mean Low-Water Line. The alternate dot and dash acid ink line is the true position of the Mean Low-Water Line.

The very small black acid ink circles accompanied by "Sub. Sta." are the positions of substitute stations. A brief description of the substitute station 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 the next hydrographic survey:

Cape Ann Ledge, Colt Ledge, and Great Spoon Ledge. (Geographic name has been shown on the Map Manuscript in the approximate position.)

Horseman Ledge and Eastern Ear Ledge. (Geographic name and approximate position of the area have been shown on the Map Manuscript.)

Rock awash just north of Eastern Ear.

Rock awash in the northern part of Horseman Ledge.

Rock awash southwest of Little Spoon Island.

One floating aid to navigation south of Eastern Ear Ledge.

Features in disagreement with the Nautical Chart:

Shoreline where Great Spoon Island is divided.

Shoreline of Eastern Ear.

White Horse is shown as two islands on the Map Manuscript.

The following charted rocks have been shown as ledge areas on the Map Manuscript:

Four rocks and three rocks awash on the western side of Eastern Head.

Rock awash west of the southern tip of Little Spoon Island.

Halfway Rock.

Five rocks awash at Seal Ledges.

Two rocks awash at Turnip Yard.

Four rocks awash south of The Cow Pen.

Two small islands and six rocks awash west of York Island.

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.

Respectfully submitted:

May 6, 1946

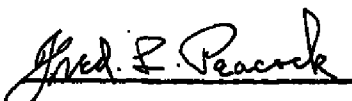


Ruth E. Rudolph

Photogrammetric Aid

Approved and Forwarded:

May 1946



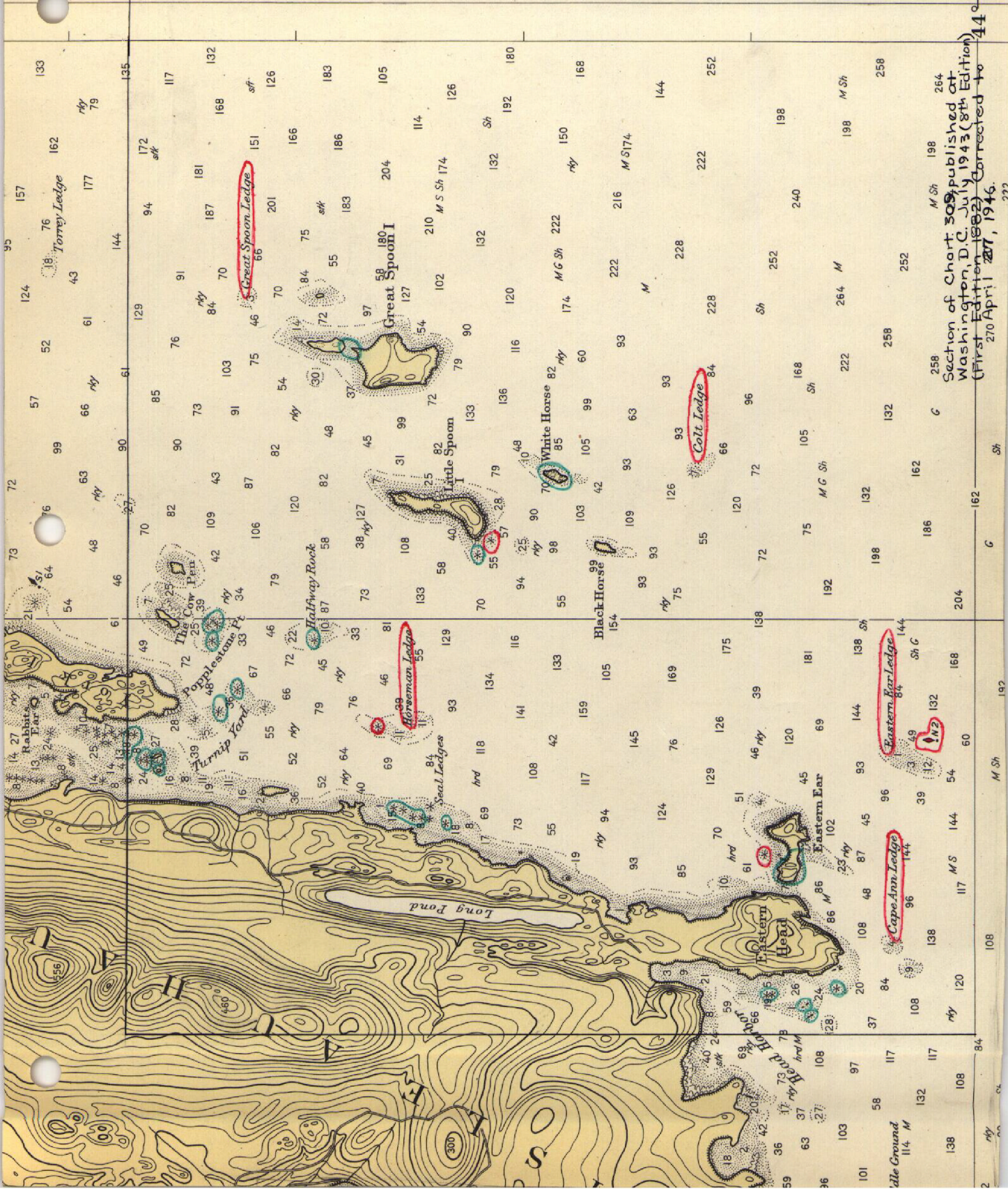
Fred. L. Peacock

Chief of Party, C. & G. Survey

Officer-in-Charge

Baltimore Photogrammetric Office





Section of Chart 308, published at Washington, D.C. July 1943 (8th Edition) (First Edition 1893) Corrected to 270 April 27, 1946.



Division of Photogrammetry  
Review Report of  
Shoreline Survey Manuscript No. T-8553

Paragraph numbers used in this report refer to paragraph numbers in the descriptive report.

28 to 32. Compilation.-

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

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

44. Comparison with Existing Topographic Surveys.-

This survey (T-8553) was compared with and supersedes the following older U.S.G. & G.S. surveys in all common areas:

T-1311	1:10,000	1872
T-1351	1:10,000	1874

Survey T-1351 shows two small reefs which do not appear on survey T-8553. They are located at approximately Lat.  $44^{\circ}02'08''$  - Long.  $68^{\circ}34'32''$  and Lat.  $44^{\circ}03'22''$  - Long.  $68^{\circ}35'09''$ .

Comparison has been made between map manuscript T-8553 and the following U.S.G.S. quadrangle and good agreement exists in all common areas, except as noted under "Notes to the Reviewer" in the descriptive report.

U.S.G.S. Deer Isle Quadrangle, Maine  
15 minute series, 1:62,500, edition of 1944

45. Comparison with Nautical Charts.-

This manuscript was compared with U.S.C. & G.S. nautical chart number 309, edition of 1943, corrected to August, 1946, scale 1:40,000. Discrepancies between these maps are adequately discussed under item 45 and "Notes to the Reviewer" in the descriptive report.

Map manuscript T-8553 was applied in part to U.S.C. & G.S. nautical chart number 308 prior to this review. Except for slightly changing the shoreline delineation of "White Horse" (Lat. 44°01'50" - Long. 68°34'40"), no significant corrections have been made during this review. All changes and corrections made during this review have been shown on the manuscript in red acid ink.

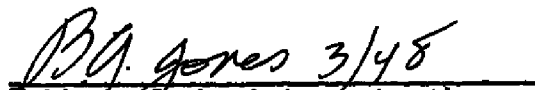
Reviewed By:


Reviewed under direction of:

  
Howard W. Thune  
Photogrammetrist 2/10/47


  
Chief, Review Section 3/14/47

APPROVED BY:

  
Technical Assistant to the  
Chief, Div. of Photogrammetry

  
Chief, Nautical Chart Branch  
Division of Charts

  
Chief, Div. of Photogrammetry

  
Chief, Div. of Coastal Surveys

GEOGRAPHIC NAMES

(Undisputed)

Taken from Nautical Chart No. 309

- Atlantic Ocean ✓
- Cape Ann Ledge not shown
- Colt Ledge " "
- Eastern Ear ✓
- Eastern Ear Ledge not shown
- Eastern Head ✓
- Great Spoon Island ✓
- Great Spoon Ledge not shown
- Halfway Rock ✓
- Head Harbor ✓
- Horseman Ledge not shown
- Isle au Haut ✓
- Little Spoon Island ✓
- Long Pond ✓
- Popplestone Point ✓
- Seal Ledges ✓
- Turnip Yard ✓
- York Island ✓

All names listed on this and following pages, preceded by •, are approved.

GEOGRAPHIC NAMES  
L. Heck, 9/12/47

GEOGRAPHIC NAMES

(disputed)

Chart No. 309

- Black Horse ✓
- The Cow Pen ✓
- White Horse ✓

Deer Isle Quadrangle

Blackhorse

The Cowpen

Whitehorse



COAST OF MAINE  
PROJECT No. CS-272

• DESCRIPTIONS OF THE RECOVERABLE PHOTO (TOPOGRAPHIC)  
STATIONS AND TEMPORARY PHOTO (TOPOGRAPHIC) STATIONS FOR  
THE AREA OF MAP MANUSCRIPT, SURVEY No. T-8553.

NUMBER OF RECOVERABLE PHOTO (TOPOGRAPHIC) STATIONS..... 2  
NUMBER OF TEMPORARY PHOTO (TOPOGRAPHIC) STATIONS.....15  
TOTAL NUMBER OF STATIONS.....17

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

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

- 2008 - Southeasterly of two evergreens at opening in trees. Taller of two.
- 2009 - Brick chimney on single story house.
- 2010 - 20' evergreen, southerly on island.
- 2011 - Lone bushy evergreen on ledge bluff.
- 2012 - 15' evergreen at inshore end of deep cut in ledge.
- 2013 - 15' evergreen, northeasterly in group.
- 2014 - 15' twin evergreen, most northerly on point.
- 2015 - Twin evergreen, southerly in clearing.
- 2016 - Conspicuous pink granite boulder.
- 2017 - Twin evergreen, most southwesterly on island.
- 2018 - "GABLE, 1945" - Station is the east southeast gable of a one story white house with small window under gable. Located on the northeastern shore of Head Harbor. Recoverable Photo (Topographic) Station.
- 2021 - Lower brick chimney at east gable of a two story white house.
- 2022 - West gable of dark shingled house near pier.
- 2023 - 15' evergreen, westerly on rock ledge.
- 2024 - Southern tip of depression in ledge.
- 2027 - "BENCH MARK 3, 1911" - Station is a 3/4" drill hole 2 inches deep in center of triangle near top of very prominent boulder. Boulder is just northeast from Bungy Point on west side of Head Harbor. Recoverable Photo (Topographic) Station.
- 2072 - Conspicuous white boulder on grass line.

NOTES  
TO  
REVIEWER

SURVEY NO. T-8553

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 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 2½ millimeter black acid ink circles are the positions of the selected hydrographic control. Such circles, accompanied with a name and date (1945), and a number, are the positions of the Recoverable Photo (Topographic) Stations. All other such circles, accompanied with a number only, are the 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 and the one very small red acid ink circle, all accompanied with the note "Sub. Sta.", are the positions of the Substitute Stations. The red acid ink circle is the radially plotted position of the Substitute Station; the geographic position could not be computed as no data for establishing an azimuth to the initial used by the Field Unit, were available. The distance between the Triangulation Station and the Substitute Station checked within 0.1 mm. However, the azimuth to the Substitute Station may be in error.

The very small black acid ink circle accompanied with the note "R.M.#1 is the position of a Reference Mark.

The photographs contain no appreciable tilt or differential distortion.

The scale of the photographs and the Map Manuscript was in good agreement.

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 photographs were examined by the Compilation Office to determine the course of drainage of Long Pond to tidal water. Careful examination failed to reveal this information. This drainage does not appear on the U. S. Coast and Geodetic Survey Nautical Chart or on the U. S. Geological Survey Quadrangle.

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

No ledge, ledge areas or detached rocks appear on the Quadrangle.

The geographic name Blackhorse is shown as Black Horse on the Map Manuscript; The Cowpen as The Cow Pen; Whitehorse as White Horse.

The geographic names Cape Ann Ledge, Colt Ledge, Eastern Ear Ledge, Great Spoon Ledge, Halfway Rock, Horseman Ledge, and Seal Ledges do not appear on the Quadrangle.

Disagreement in the location of the road running along the eastern shore of Isle au Haut.

White Horse is shown as two islands on the Map Manuscript.

Shoreline where Great Spoon Island is divided.

The number of buildings.

The southern island in The Cow Pen is shown as a ledge area on the Map Manuscript.

The shoreline of the eastern island in The Cow Pen is in disagreement.

The following disagreements were found between the Map Manuscript and Nautical Chart No. 309.

Shoreline where Great Spoon Island is divided.

Shoreline of Eastern Ear.

White Horse is shown as two islands on the Map Manuscript.

The following charted rocks have been shown as ledge areas on the Map Manuscript:

Four rocks and three rocks awash on the western side of Eastern Head.

Rock awash west of the southern tip of Little Spoon Island.

Halfway Rock.

Five rocks awash at Seal Ledges.

Two rocks awash at Turnip Yard.

Four rocks awash south of The Cow Pen.

Two small islands and six rocks awash west of York Island.

Location of road running along the eastern shore of Isle au Haut.

Shown on the Chart but not on the Map Manuscript because no data were available:

Cape Ann Ledge, Colt Ledge, and Great Spoon Ledge. (Geographic name has been shown on the Map Manuscript in the approximate position).

Horseman Ledge and Eastern Ear Ledge. (Geographic names and approximate positions of the area have been shown on the Map Manuscript.)

Rock awash just north of Eastern Ear.

Rock awash in the northern part of Horseman Ledge.

Rock awash southwest of Little Spoon Island.

One floating Aid to Navigation south of Eastern Ear Ledge.

Shown on the Map Manuscript but not charted:

All buildings.

Class 4 road along the northern shore of Head Harbor.

Cribbings in cove in the northern part of Head Harbor.

Two rocks on the eastern side of Great Spoon Island.

Two rocks on the eastern shore of Isle au Haut.

Island south of Eastern Ear.

Two rocks on the western shore of Eastern Head.

Island on the northern shore of Head Harbor.

Respectfully submitted:  
June 13, 1946

*Ruth E. Rudolph*  
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Photogrammetric Aid

Approved and Forwarded:  
June 19, 1946

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