

# 8585

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

Form 504

U. S. COAST AND GEODETIC SURVEY  
DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey Planimetric Air Photographic  
(Shoreline)

Field No. CS-272 Office No. T-8585

### LOCALITY

State Maine

General locality Vicinity of Mount Desert Island

Locality Mount Desert Island, Pierce Head to  
Great Head, Sutton Island

194 5

CHIEF OF PARTY  
F.L. Peaceock

LIBRARY & ARCHIVES

DATE April 7 - 1949

B-1870-1 (1)

# 8585

R. S. 463  
(T-8585)  
Ph-103(52)

Foreshore and offlying shoal corrections and additions were added from low water single lens photographs taken in May, 1952, with the "J" camera, and are shown in red on the brown line acetate reproduction of the manuscript. The photographs were ratio printed to scale, permitting detail to be added without further radial plotting. Whenever possible recoverable photo-hydro signals previously located were used in applying the new additions. However, it was necessary to apply corrections by holding to identifiable features previously compiled.

Five (5) new photo-hydro stations were added where believed necessary, and all are believed to be of standard map accuracy.

Some building and road revision was made, however, a more complete revision should be made when time permits.

*Building & road revision completed August 1953*

*DFR*

Respectfully submitted:

*L. C. Lande*  
Approved by:

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

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

DATA RECORD

T-8585

Quadrangle (II):

Project No. (II): GS-272

Field Office:  
Air Photographic Party No. 2

Chief of Party: Fred. L. Peacock

Compilation Office:  
Baltimore Photogrammetric Office

Chief of Party: Fred. L. Peacock

Instructions dated (II III):  
April 1, 1942 (Additional)  
July 10, 1943, (Horizontal Control Requirements)  
March 18, April 11, & July 17, 1944 (Supplemental)  
August 10, 1944 (Additional) - Aug. 26, 1944 (Amendment to Additional Instructions)  
Completed survey received in office: *6 July, 1945*

*Division of*  
Copy filed in ~~Descriptive~~  
~~Report No. T-~~ *(71)*  
*Photogrammetry Office files.*

Reported to Nautical Chart Section:

Reviewed: *1/20/47* Applied to chart No. *30.6*  
*308*  
*1202* Date: *4 Dec. 45 (partial)*  
*19 Feb 45*  
*14 Feb 46 (Exam.)*

Redrafting Completed: *No redraft.*

Registered: *March 1949*  
~~*28 Sept. 1948*~~ Published: *Dec. 1947*

Compilation Scale: 1:10,000 Published Scale: *1:10000*

Scale Factor (III): 1:0000

Geographic Datum (III): N.A. 1927 Datum Plane (III): *Mean High Water*

Reference Station (III): GREAT HEAD, 1934, r. 1944

Lat.: 44° 19' 42.342" Long.: 1306.9m 68° 10' 29.593" 655.7m Adjusted  
~~Unadjusted~~

State Plane Coordinates (VI): *Maine, East Zone*

X = Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

Unmounted Single Lens Ratio Prints

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
44-C-1054 &				
44-C-1055	5-17-44	12:15 P.M.	1:10,000	0.2' below M.L.W.
44-C-1188 to				
44-C-1192, Incl.	5-26-44	10:15 A.M.	1:10,000	4.0' above M.L.W.
44-C-1228 to				
44-C-1231, Incl.	5-26-44	10:30 A.M.	1:10,000	4.6' above M.L.W.
44-C-1683 to				
44-C-1687, Incl.	6-4-44	11:45 A.M.	1:10,000	5.6' above M.L.W.
44-C-1689 to				
44-C-1692, Incl.	6-4-44	12:00 Noon	1:10,000	5.1' above M.L.W.
44-C-1697 to				
44-C-1704, Incl.	6-4-44	12:15 P.M.	1:10,000	4.6' above M.L.W.

44-C-1704, Incl. (III); Predicted tide tables, Atlantic Ocean, 1944. Reference Station, Eastport, Maine, with correction to Southwest Harbor, Maine.  
 Mean Range: 10.3' Spring Range: 11.7'

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: September, 1944

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

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

Projection and Grids ruled by (III) S.R. date: 3-9-45

" " " checked by: S.R. - Murray date: 3-9-45

Control plotted by: Harry R. Rudolph date: 3-15-45

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

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

Detailed by: Ruth M. Whitson date: 4-30-45 to 6-21-45

Reviewed in compilation office by: Harry R. Rudolph date: 6-22-45 to 6-23-45

Elevations on ~~Field Edit Sheet~~ <sup>Map Manuscript</sup> checked by: H. W. Thone date: 1/20/47



STATISTICS (III)

Land Area (Sq. Statute Miles): 2-3/4

Shoreline (More than 200 meters to opposite shore): 16.5 Statute Miles

Shoreline (Less than 200 meters to opposite shore): 1.2 Statute Miles

Number of Recoverable Topographic Stations established: \* 9

Number of Temporary Hydrographic Stations located by radial plot: 51

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: \* Positions of eight determined by radial plot.  
The position of one was determined by ground-survey method.

FIELD REPORT  
SURVEY No. T-8585

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

1. DESCRIPTION OF THE AREA:

According to instructions dated August 10, 1944, the Survey for Map Drawing, Survey No. T-8585 is a shoreline survey.

Survey No. T-8585 covers an area along the southeastern part of Mount Desert Island from just east of Northeast Harbor to Great Head, all of Sutton Island, Bear Island, and a few small islets.

The terrain immediately adjacent to the Mean High-Water Line is, in general, very rocky except along the upper reaches of Long Pond where it is marshy. The foreshore area is commonly ledge rock with a few stretches of sand and gravel beaches mostly boulder strewn. Most of the sand and gravel beaches are in or near the coves. There are some mud flats in the deeper coves.

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

2. COMPLETENESS OF FIELD INSPECTION:

The identification of the horizontal control is complete except for one station, GREAT HEAD, 1934, which was recovered but not identified. The identification and field inspection of the Mean High-Water Line, Mean Low-Water Line, and foreshore and offshore features are complete except for off-lying shoal, sunken reef areas, and charted rocks awash not visible on the air photographs, and a portion of the Mean Low-Water Line along the western end of Sutton Island. The charting data for these features will become available during contemplated hydrography.

3. INTERPRETATION OF THE PHOTOGRAPHS:

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

4. HORIZONTAL CONTROL:

All of the horizontal control stations within the area of Survey No. T-8585 were recovered in good condition. Triangulation Station, GREAT HEAD 1934, was recovered but not identified. One additional horizontal control station was established by approved ground survey methods.

4. HORIZONTAL CONTROL (Continued)

Form No. 526, Recovery Note, has been submitted for each of the previously existing horizontal control stations within the area of the survey.

5. VERTICAL CONTROL:

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

6. DRAINAGE:

Part but not all of the drainage, within the area of the survey, has been interpreted 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. All of the Mean Low-Water Line within the area of this survey has been delineated except around the western part of Sutton island. The delineation of the position of the Mean Low-Water Line is very close to its true position but is to be considered as approximate.

9. WHARVES AND SHORELINE STRUCTURES:

All of the piers, cribbings, piling areas, boat skidways, and seawalls visible on the photographs within the area of the survey have been identified on the field photographs.

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

Only a small amount of detail outside the foreshore area was revealed by photography. It includes several small rock ledge areas, a few small islets,



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

and a rock awash.

The character of the foreshore area has been indicated on the field photographs. The extent to which several prominent rocks cover at Mean High-Water or uncover at the time of field inspection, with the time and date, have been noted on the field photographs.

The heights of the small islets above Mean High-Water have been noted.

11. LANDMARKS AND AIDS TO NAVIGATION:

Two previously charted Fixed Aids to Navigation fall within the limits of the survey. Their positions had been determined by triangulation.

No other previously charted or desirable uncharted landmarks or uncharted Fixed Aids to Navigation fall within the limits of the survey. There are several floating aids to navigation within the area of the survey.

12. HYDROGRAPHIC CONTROL:

9 Recoverable Topographic Stations.  
51 Temporary Hydrographic Stations.

Descriptions have been furnished. *list attached hereto.*

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 DRAWING, SURVEY No. T-8585

COAST OF MAINE  
MOUNT DESERT ISLAND  
PIERCE HEAD TO GREAT HEAD  
SUTTON ISLAND

26. CONTROL:

The horizontal control shown on the Map Drawing for Survey No. T-8585 consists of eight stations. They are as follows:

Seven within the detail limits

<u>Name of Station</u>	<u>Established By</u>	<u>Type of Station</u>
**GREAT HEAD 1934, r. 1944 GREAT HEAD OBSERVATORY, 1934, r. 1944	U.S.C. & G.S.	Triangulation
BUNKER LEDGE MONUMENT, 1863, r. 1944	U.S.C. & G.S.	Triangulation (Intersection)
BEAR ISLAND L.H., 1902, r. 1944	U.S.C. & G.S.	Triangulation "
*SAVAGE MOUNTAIN, 1870, r. 1944	U.S.C. & G.S.	Triangulation
*OTTER, 1944	U.S.C. & G.S.	Topographic (New)
NE "V", 1938, r. 1944	U.S.E.	Triangulation

One just outside the detail limits

<u>Name of Station</u>	<u>Established By</u>	<u>Type of Station</u>
*NE "A", 1938, r. 1944	U.S.E.	Triangulation

\* 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 "r.i.p."

\*\* Station recovered but not identified. All the above stations are correct

All the above stations except GREAT HEAD, 1934, were used to control the radial plot.

27. RADIAL PLOT:

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

The facts concerning the radial plot for the area of this Map Drawing have been fully brought out in the Radial Plot Report for the areas of Surveys Nos. T-8573 to T-8590, inclusive, T-8594 and T-8595 submitted June 5, 1945.

*Filed in Photogrammetric Section  
General Files.*



28. DETAILING:

The photography, field data, horizontal ground control, and radially plotted control points available for the compilation were adequate, except no field data were furnished relative to the area of Long Pond which is not affected by tide water. This pond was detailed according to the Compilation Office interpretation of the air photographs.

No difficulties were encountered during compilation.

Only the area in the vicinity of the shoreline was detailed in the area of Mount Desert Island. The entire area of Bear Island and Sutton Island has been detailed.

29. MEAN HIGH-WATER LINE:

The Mean High-Water 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 shoreline bordering along the firm ground of Long Pond and the outer limits of marsh bordering the shoreline at the northern end of Long Pond has been detailed in accordance with the Compilation Office interpretation of the photographs and has been shown with a continuous heavy-weight black acid ink line and light-weight black acid ink line respectively.

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. The Mean Low-Water Line along the western part of Sutton Island has not been shown because no field data were furnished and identification on the photographs by the Compilation Office was not possible.

31-A. FORESHORE AREAS:

The foreshore areas shown consist of rock ledge, boulders, detached rocks, grass-in-water, mud, and sand and gravel beaches. The foreshore area has been detailed in accordance with 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, shoals, sunken reefs, and islets. Except for the shoal and sunken reef areas, all of these details shown are in accordance with the field data.

33. WHARVES AND SHORELINE STRUCTURES:

Several piers and a boat launching skidway have been shown in accordance with the field data.

35. HYDROGRAPHIC CONTROL:

- 1 Recoverable Topographic Station - Located by ground survey methods.
- \* 8 Recoverable Topographic Stations - Located by radial plot.
- 51 Temporary Hydrographic Stations - Located by radial plot.

A list of their descriptions is attached to this report.

No. 1600  
 1606  
 1613  
 1657  
 1655  
 1654  
 1658  
 1675

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

\* also F.I.P. Otter, 1944

37. BRIDGES:

One very small bridge has been shown at the entrance to Little Harbor Brook. Another small bridge, not identified by the Field Unit, has been shown crossing Otter Cove.

38. GEOGRAPHIC NAMES:

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

A list of the names is attached to this report.

39. JUNCTIONS:

The junctions with Map Drawing, Survey No. T-8574 to the west and Survey No. T-8584 to the north have been made and are in agreement.



39. JUNCTIONS: (Continued)

The junction with Survey No. T-8586 to the south is an all-water area.

To the east is an all-water area.

The junction with Survey No. T-8575 to the north is an undetailed interior area of Mt. Desert Island. *T-8584 " " " shoreline only. OK*

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-8585, 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" attached to this report, and indicated on a section of Nautical Chart No. 306 attached to this report.

44. COMPARISONS WITH EXISTING TOPOGRAPHIC QUADRANGLES:

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

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

Details common to the Map Drawing and the Quadrangles are, in general, in good agreement. However, many roads, piers, and geographic names shown on the Map Drawing do not appear on the Quadrangles. Several trails, two streams, two bench marks, and several buildings that appear on the Quadrangles have not been shown on the Map Drawing because they could not be identified on the photographs.

45. COMPARISON WITH NAUTICAL CHART:

Chart No. 306, scale 1:40,000, published at Washington, D. C., March 1944, corrected to April 7, 1945 (common area).

Details common to the Map Drawing and the Chart are, in general, in good agreement, with the exception of the eastern shoreline of Otter Cove, and the shoreline of the pond just north of Newport Cove. However, several bare rocks, rocks awash, rock ledge areas, sunken reef areas, all piers, a

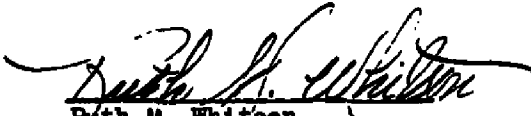


45. COMPARISON WITH NAUTICAL CHART: (Continued)

a boat launching skidway, most of the roads, and several geographic names have been shown on the Map Drawing and do not appear on the Chart. Several floating aids to navigation, sunken rocks, rocks awash, and several cable crossing areas, which have been charted, have not been shown on the Map Drawing because they could not be identified on the photographs.

The Map Drawing for Survey No. T-8585 was compiled under the supervision of Harry R. Rudolph, Photogrammetric Aid, SP-6, and was also reviewed by Harry R. Rudolph.

Respectfully Submitted,  
June 30, 1945


  
Ruth M. Whitson,  
Engineering Draftsman

  
Harry R. Rudolph,  
Photogrammetric Aid

and

  
Joseph Steinberg,  
Photogrammetric Engineer

Approved and Forwarded:  
July 6, 1945

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

GEOGRAPHIC NAMES

Undisputed

Taken from Nautical Chart No. 306 and U. S. Geological Survey  
Quadrangle Maps: Bar Harbor, Maine - Mount Desert, Maine.

- Barr Hill
  - Bear Island
  - Bowden Ledge *Feature not shown, name deleted.*
  - Bracy Cove
  - Cadillac Cliffs
  - Crowninshield Point
  - East Bunker Ledge
  - East Point
  - Fernald Point
  - Great Head
  - Hunters Beach
  - Hunters Beach Cove
  - Hunters Brook
  - Ingraham Point
  - Jordan Stream
  - Lewis Rock
  - Little Harbor Brook
  - Long Pond
  - Long Pond Shoal
  - Mount Desert Island
  - Newport Cove
  - Ocean Drive
  - Otter Cove
  - Otter Creek
  - Otter Creek (Village)
  - Otter Point
  - Ox Hill
  - Pierce Head
  - Rice Point
  - ~~Sargent Head~~ *(not on Bear I.)*
  - Sea Cliff Drive
  - Seal Harbor
  - Seal Harbor (Village)
  - Stanley Brook
  - Sutton (Village)
  - Sutton Island
  - The Black Woods
  - Thunder Hole
  - Western Point
  - Old Tom *Feature not shown, name deleted.*
- State No. 3
- Eastern Way

Names preceded by • are  
approved.

L. Heck  
9/18/47

GEOGRAPHIC NAMES

GEOGRAPHIC NAMES

Disputed

Chart Nos 306, 1202

Bar Harbor, Maine, Quadrangle

• Otter Cliff

~~Cliffs of Otter~~

1944  
 IDENTIFICATION REPORT  
 HORIZONTAL CONTROL  
 MAP DRAWING, SURVEY No. T-8585  
 Project No. CS-272

<u>STATION</u>	<u>U.S.G.S. QUADRANGLE</u>	<u>RECOVERY DATE</u>	<u>PRICKING DATA</u>
BEAR ISLAND LIGHTHOUSE, 1902	Mount Desert	9-4-44	Positive
BUNKER LEDGE MONUMENT, 1883	Bar Harbor	9-30-44	Positive
*GREAT HEAD, 1934	Bar Harbor	9-16-44	*Not pricked
GREAT HEAD OBSERVATORY, 1934	Bar Harbor	9-16-44	Positive
OTTER, 1944	Bar Harbor **N.S.	9-30-44	Positive
SAVAGE MOUNTAIN, 1870	Mount Desert	10-28-44	Positive
NE "V" (U.S.E.)	Mount Desert	9-6-44	Positive
NE "A" (U.S.E.)	Mount Desert	9-6-44	Positive

\* Station close by pricked.

\*\* N.S. indicates new control station established in 1944.



NOTES  
For  
REVIEWER

MAP DRAWING, SURVEY No. T-8585  
COAST OF MAINE  
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 large blue ink circles are the very strong positions of the photograph centers determined by the radial plot.

The  $2\frac{1}{2}$  millimeter black acid ink circles are the positions of the Recoverable Topographic Stations and Temporary Hydrographic Stations. Such circles, accompanied by a name and date (1944) are the positions of Recoverable Topographic Stations determined by the radial plot. All other such circles are the positions of 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 were in fair agreement. The vertical projector was used in areas where it was not possible to select a sufficient number of well defined picture points to control the detailing.

The following disagreements between the Map Drawing and U. S. Geological Survey Maps and U. S. Coast and Geodetic Survey Nautical Charts were found:

United States Geological Survey, Mount Desert, Maine, Quadrangle, 15' series, scale 1:62,500, edition of 1942. (Common area).

One bench mark, a stream just east of Fernald Point on Sutton Island, and a small pond on Rice Point, Sutton Island, have not been shown on the Map Drawing because no data were available.

Several roads west of Little Harbor Brook, at Pierce Head, and on Sutton Island; several trails at Pierce Head, and on Sutton Island; a pier west of Little Harbor Brook; a pier on the north shore of Sutton Island near Sutton Village; a destroyed pier in the vicinity of Pierce Head; a boat launching skidway on the west shore of Bear

Island; the geographic name Long Pond Shoal; and a few areas of rock ledge offshore have been shown on the Map Drawing but do not appear on the Quadrangle.

United States Geological Survey Bar Harbor, Maine, 15' series, scale 1:62,500, edition of 1942. (Common area).

One bench mark; a stream at Ingraham Point; trails at Ingraham Point, Hunters Brook, and north of Newport Cove; and several buildings north of Otter Point which appear on the Quadrangle have not been shown on the Map Drawing because no data were available.

Several piers on the east shore of Seal Harbor; several roads and trails in the vicinity of Otter Cove, at Ingraham Point, at East Point, at Seal Harbor, and at Crownshield Point; a rock ledge and reef area on west side of entrance to Seal Harbor; and the following geographic names: Bowden Ledge, Hunters Beach Cove, Lewis Rock, and Seal Harbor (Village) have been shown on the Map Drawing which do not appear on the Quadrangle.

A road north of Newport Cove, a road on Otter Point, and the geographic name Otter Cliff are in disagreement with the Quadrangle.

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

Several rock ledge areas in the vicinities of Bear Island, Sutton Island, Seal Harbor, Hunters Beach Cove, Western Point, and Thunder Hole; several rocks awash and several bare rocks in the foreshore area; all roads and trails within the area of the Survey except the double full line road extending from the western limits of the Map Drawing to just east of Stanley Brook and the double full line roads to the east and west of the pond north of Otter Cove; all buildings; all piers; a boat launching skidway; the bridge crossing Otter Cove; grass-in-water in the pond north of Newport Cove; and the geographic names, Barr Hill, Cadillac Cliffs, Fernald Point, Hunters Beach, Ingraham Point, Ox Hill, Ocean Drive, Rice Point, Sargent Head, Sea Cliff Drive, Stanley Brook, Thunder Hole, The Black Woods and Western Point, have been shown on the Map Drawing but have not been charted.

The area of a charted pond, just inland from Mice Point, Sutton Island has been shown on the Map Drawing as grass in accordance with the field data. *Pond retained T 11350 Ema Jan '56*

All floating aids to navigation, two bare rocks, and two sunken rocks between East Bunker Ledge and Lewis Rock, Bowden Ledge, Long Pond Shoal and Old Tom (geographic names of last three shown at approximate location) appear on the chart but have not been shown on the map Drawing because no data were available.

The Mean High-Water Line along the east shore of Otter Cove and the shoreline of the pond north of Newport Cove is in disagreement

with the charted position.

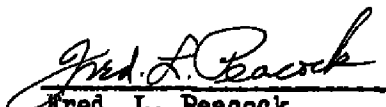
Respectfully Submitted  
June 30, 1945

  
Edith M. Whiston,  
Engineering Draftsman

and

Harry R. Rudolph.  
Harry R. Rudolph,  
Photogrammetric Aid

Approved:  
July 6, 1945

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



DIVISION OF PHOTOGRAMMETRY  
Review Report of  
Shoreline Map Manuscript T-8585

Subject numbers not used in this review report have been adequately covered in other parts of the review report or do not apply.

28 DETAILING

The "shoal" and "reef" lines were placed on the map manuscript almost wholly from office interpretation of the photographs. Comparison with existing nautical charts indicates that this line showed no consistency with respect to soundings. Since the lines would be valueless to hydrography, they have been removed from the map manuscript, except where specifically noted by the field inspector.

Several rocks were noted on the field inspection photographs, giving the height of each rock above sea level at a specific time of a given day, though no information appears on the field photographs or in the Field Inspection Report concerning the time datum used by the field inspection party, - i. e., whether Eastern War Time or Eastern Standard Time (75th Meridian Time). The tide curves submitted with the manuscript show a correction from Eastern War Time to 75th Meridian Time. With no specific information available to this office, it is assumed that the time adjustment was made after obtaining some definite explanation from the field inspector.

43. COMPARISON WITH PREVIOUS TOPOGRAPHIC SURVEYS

T-1243	1:10000	1871
T-1244	1:10000	1871
T-1334a	1:10000	1873

The present survey supersedes the older surveys in all common detail.

44. COMPARISON WITH EXISTING TOPOGRAPHIC SURVEYS

U.S.G.S. Acadia National Park & Vicinity, (Hancock  
County), Maine 1/31680 1942

No discrepancies additional to those enumerated in the descriptive report for the Bar Harbor and the Mount Desert quadrangles were noted.

46. APPLICATION TO CHARTS

This map drawing has been applied in part to nautical charts numbers 306 and 308 prior to this review. No significant corrections have been made during the review.

Reviewed by:

Howard W. Thune per TS  
Howard W. Thune, 20 Jan, 1947

Under the direction of

A. V. Griffith  
Chief, Review Section R.H.W.

APPROVED BY:

B.G. Jones 4/49

Technical Assistant to the  
Chief, Div. of Photogrammetry

H. R. Edman

Chief, Nautical Charts Branch  
Division of Charts

K.T. Adams

Chief, Div. of Photogrammetry

W.M. Loxie

Chief, Div. of Coastal Surveys

NOTES  
FOR  
HYDROGRAPHIC PARTIES

MAP DRAWING, SURVEY No. T-8585  
COAST OF MAINE  
PROJECT No. US-272-E

The  $2\frac{1}{8}$  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 lines respectively.

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

The very small ink circles, accompanied by the letters "F.I.P.", are the positions of well defined picture points located by ground survey methods as substitutes for triangulation stations used to control the radial plot. A brief description of the F.I.P.'s may be found on the pricking cards, Form No. M-982-1, submitted to the Washington Office.

The following charted features were not definitely revealed by photography and should be investigated during contemplated hydrography:

Nautical Chart No. 306

All floating aids to navigation within the area of the survey. Two bare rocks and two sunken rocks between East Bunker Ledge and Lewis Rock.  
Bowden Ledge, Long Pond Shoal, and Old Tom. (Geographic names shown at approximate location).  
A rock awash at southeast corner of Sutton Island (middle one of three).

Respectfully Submitted,  
June 30, 1945

Harry R. Rudolph  
Harry R. Rudolph,  
Photogrammetric Aid

and

Ruth M. Whitson  
Ruth M. Whitson,  
Engineering Draftsman

Approved:  
July 6, 1945

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

T-8585

COAST OF MAINE  
PROJECT No. CS-272

DESCRIPTIONS OF THE RECOVERABLE TOPOGRAPHIC  
STATIONS AND TEMPORARY HYDROGRAPHIC STATIONS FOR  
THE AREA OF MAP DRAWING, SURVEY No. T-8585

NUMBER OF RECOVERABLE TOPOGRAPHIC STATIONS.....	9
NUMBER OF TEMPORARY HYDROGRAPHIC STATIONS.....	<u>51</u>
TOTAL NUMBER OF STATIONS	60

5 Feb. 1953

Foreshore revision from low water photographs and location of 5 new hydro stations was done in Wash. office by orienting ratio prints under manuscript.

David F. Romero  
Ensign USCGS

Listed By: Ruth M. Whitson  
Ruth M. Whitson,  
Engineering Draftsman

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



- 1598 Evergreen. .  
 1598<sup>a</sup> End of pier  
 1599 West Corner, Offshore end of pier.
- 1600 "Round Tower with Weathervane" - The station is the round tower on the southeast side of house with wind vane at peak of tower. It is a very large two and one-half story house on a high stone foundation, first floor is stone, upper part is wood. It has two high stone chimneys. It is located on Pierce Head, Mt. Desert Island, approximately 35 meters from Mean High Water Line. Recoverable Topographic Station. Elevation: 100 ft.
- 1601 Evergreen.
- 1602 Northwest corner, offshore end of steel pier.
- 1603 Northwest corner, offshore end of steel pier.
- 1604 12' evergreen.
- 1605 Southeast gable on house.
- 1606 "Observatory on Top of House" - <sup>C</sup>The station is the center of the Observatory, at the top of Nelson Rockefeller's House. It is located on the most southeasterly tip of Crowninshield Point, Mount Desert Island, approximately 23 meters north of the Mean High-Water Line. Recoverable Topographic Station.
- 1607 Cupola with Flagstaff.
- 1608 Cupola with weathervane. (destroyed)
- 1609 Lone evergreen.
- 1610 West gable of house.
- 1611 Northeast gable of shed on pier. Gable? ORR
- 1612 50 ft. evergreen.
- 1613 "Southeast Gable of House" - The station is the southeast gable of a very large two and one-half story shingled house with brown trimming and yellow front gables, also shingled roof. It is located north of East Point, Mount Desert Island, approximately 33 meters north of the Mean High-Water Line. Recoverable Topographic Station. Elevation: 100 ft.
- 1613<sup>a</sup> Top of rock <sup>outcrop</sup> on foreshore. Awash at MHW
- 1614 6 ft. evergreen.
- 1615 20 ft. evergreen.
- 1616 Lone evergreen on point.

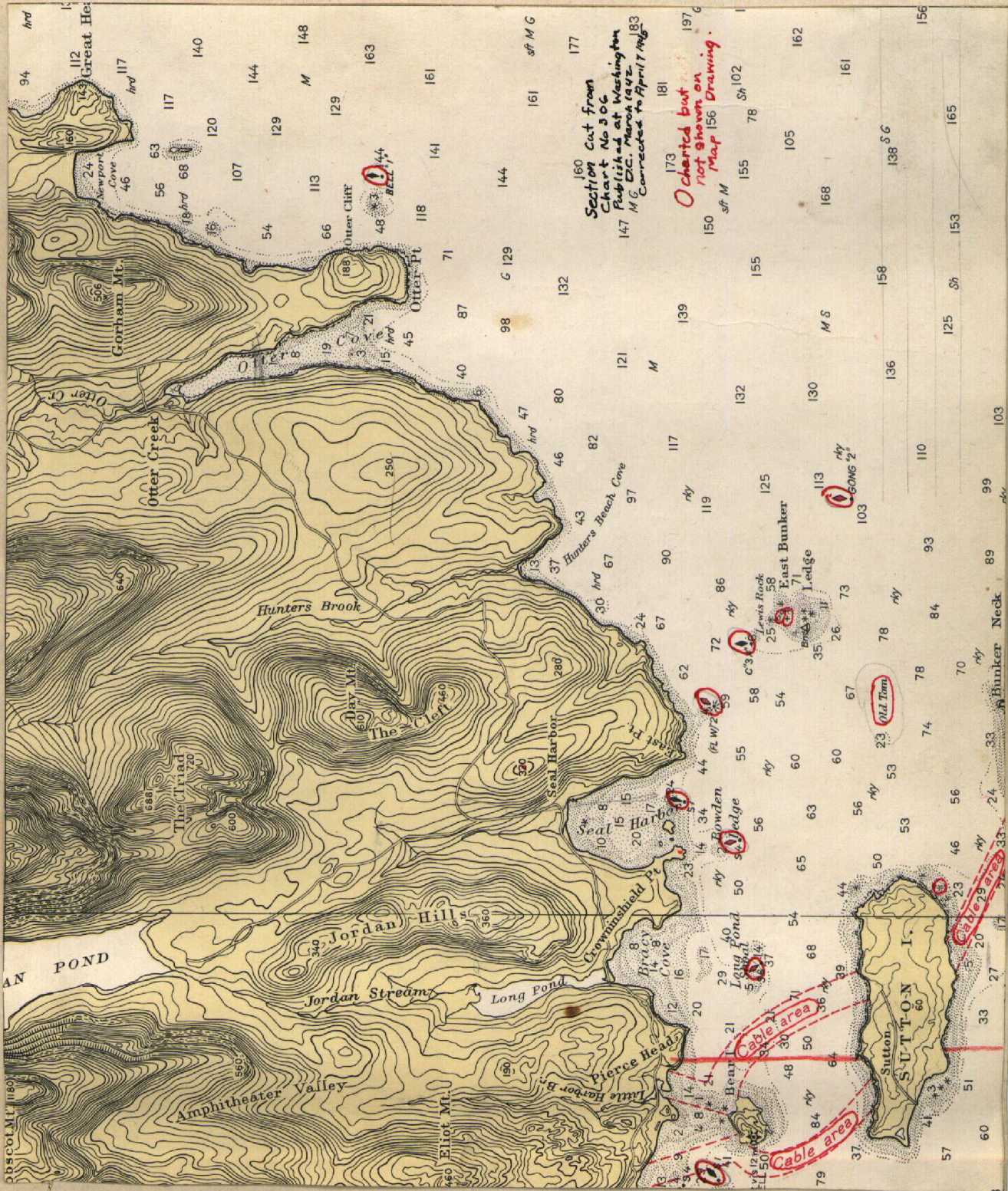
- 1617 Evergreen.
- 1638 South Gable of shack. (Destroyed)
- 1639 Small hardwood bush.
- 1640 Center of water-filled depression in ledge.
- 1640a Intersection of paths.
- 1641 Tall, lone evergreen. destroyed
- 1642 30 ft. evergreen. (destroyed)
- 1643 25 ft. lone evergreen.
- 1644 Very tall lone evergreen. (destroyed)
- 1645 Easterly and smaller of two evergreens.
- 1646 10 ft. evergreen.
- 1647 6 ft. diameter boulder, 3 ft. high.
- 1648 Small 10 ft. bushy evergreen.
- 1649 Most southwesterly of two small evergreens.
- 1650 30 ft. evergreen.
- 1651 "North East End of Stone Guard Rail of Bridge" - The station is the northeast end of easterly stone guard rail of bridge, at the north end of Otter Cove. Recoverable Topographic Station.
- 1652 45 ft. evergreen on side of steep bank.
- 1653 25 ft. evergreen beside ledge outcrop.
- 1654 12 ft. evergreen, lower branches are gone. South of deep cut in ledge through which a spring drains.
- 1655 "Hole" - The station is a standard bronze disc stamped "Hole" in the southeast tip of high outcrop of ledge at a place known locally as "Thunder Hole". It is located on the Mean High-Water Line on the east shore of Mount Desert Island. Recoverable Topographic Station.
- 1656 "Wall" - The station is a standard bronze disc stamped "Wall" in the center of the south end of the southern most large granite block (one of seven) forming guard wall. It is located on Western Point, on Mount Desert Island on the east side of the highway and approximately 45 meters northwest of the Mean High-Water Line. Recoverable Topographic Station. Elevation: 60 ft.
- 1665 Southwest corner of offshore end of pier.



- 1665a Rock which bares 2ft at MHW on foreshore ledge.
- 1666 Chimney, center of large house.
- 1667 Cupola, center of green building.
- 1668 South Gable, large white house. - The station is the south gable of a large two story white weatherboard house with a brick chimney. It has a front porch on the southeast corner of house. It is located at Fernald Point, Sutton Island, approximately 48 meters from the Mean High-Water Line. Recoverable Topographic Station.
- 1669 Northwest corner of offshore end of pier.
- 1670 West corner of offshore end of pier.
- 1671 Northwest corner of offshore end of pier.
- 1672 Northwest corner of offshore end of pier.
- 1672a East corner of chipping of ruined pier.
- 1673 Northeast corner of offshore end of pier.
- 1674 Northeast corner of offshore end of pier.
- 1674a Chimney, center of house.
- 1675 "Chimney, East Gable of House" - The station is a large stone chimney with three square terra cotta (yellow) flue pipes in top, at east gable of large one and one-half story shingled house. It is located on northeastern section of Sutton Island, approximately 36 meters from Mean High-Water Line. Recoverable Topographic Station. Elevation: 50 ft.
- 1676 North corner of offshore end of pier.
- 1677 West gable of house on dock.
- 1689 Evergreen.
- 1690 Twin evergreen.
- 1691 Evergreen.
- 2337 Cupola near north end of brown house with shingled roof. It has a porch facing the water.
- 2338 20 ft. evergreen. Elevation: 10 ft.
- 2339 Tallest of two chimneys on gray stucco house with brown trimmings and shingled roof. Chimney has yellow terra cotta pipe (2 ft. long) on top.
- 2433 15 ft. evergreen on grass line. Elevation: 8 ft.
- "Otter, 1944." - Station is the center of the wooden Coast Guard Tower on top of the hill at Otter Point on the south side of Mount Desert Island. It is about 50 meters west of parking area, is a wooden house supported on four wooden legs which are anchored to ledge

"Otter, 1944" (Continued)  
rock with about  $1\frac{1}{8}$ " anchor bolts (one for each leg). Located by  
ground survey methods. Recoverable Topographic Station.





Section cut from  
Chart No 306  
Publish at Washington  
M.G. Dec. 1884  
Corrected to April 17 1885

*O* charted but  
*not shown on*  
*Map 156 Drawing.*

Cable area  
Cable area  
Cable area

Old Tom

East Bunker

Seal Pt.

Bowden

Bracy Cove

Amphiheater Valley

Jordan Hills

Seal Harbor

Seal Pt.

Hunters Brook

Otter Creek

Gorham Mt.

Great He



