

# 8559

Diag'd. on diag. ch. No. 1202

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey Planimetric Air Photographic  
(Shoreline)

Field No. \_\_\_\_\_ Office No. T-8559

### LOCALITY

State Maine

General locality Blue Hill Bay

Locality Blue Hill Harbor

194 6

CHIEF OF PARTY

William F. Deane

LIBRARY & ARCHIVES

DATE

Feb. 4 1948

B-1870-1 (1)++

# 8559

## DATA RECORD

T- 8559

Quadrangle (II): USGS Blue Hill, Me, 1944 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:

William F. Deane

Div. of Photogrammetry

## Instructions dated (II III):

April 1, 1942 (Additional); July 10, 1943  
 (Horizontal Control Requirements); Mar. 18, 1944  
 April 11, July 17, 1944 (Supplemental); Aug. 10, 1944  
 (Additional); August 26, 1944. Amendment to Additional Instructions  
 Completed survey received in office: 10-9-46

Copy filed in Descriptive Office Files

(VI)

## Reported to Nautical Chart Section:

Reviewed: 12-1-47

Applied to chart No.

Date:

## Redrafting Completed:

Registered: ~~12-23-47~~ 1/48

Published:

Compilation Scale: 1:10,000

Published Scale:

Scale Factor (III): 1.000

Geographic Datum (III): N.A. 1927

Datum Plane (III): MSL

Reference Station (III): Blue Hill, 1862, r 1934, r 1944

Lat.: 44 26' 02.124"  
65.6mLong.: 68 35' 28.352"  
627.1 mAdjusted  
Kinsobusbeck

## State Plane Coordinates (VI):

X =

Y =

## Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u> E.W.T.	<u>Scale</u>	<u>Stage of Tide</u>
44-C-1472 - 1475	5-29-44	1145	1:10,000	1.0' above MLW
-1487 - 1490	5-29-44	1200	1:10,000	1.1' above MLW
-1497 - 1500	5-29-44	1230	1:10,000	1.7' above MLW
-1627 - 1629	6-4-44	1045	1:10,000	9.7' above MLW
-1431 - 1435	5-29-44	1115	1:10,000	0.9' above MLW

Ratio Prints

Tide from (III): Predicted Tide Tables, Atlantic Ocean, 1944, Reference Station Eastport, Maine with corrections to Blue Hill Harbor, Blue Hill Bay, Me.  
 Mean Range: 10.3 Spring Range: 11.7

Camera: (Kind or source) U.S.Coast & Geodetic Survey wide angle single lens camera. Type "C". focal length "6". All negatives on file in the Washington Office.

Field Inspection by: Dale E. Sturmer date: May & June 1945

Field Edit by: None date:

Date of Mean High-Water Line Location (III):

Same as date of photographs supplemented by field data obtained during May & June, 1945.

Projection and Grids ruled by (III) S.R. date: 7-11-45

" " " checked by: S.R. date: 7-11-45

Control plotted by: Florence M. Hammond date: 9-14-45

Control checked by: A.C. Rauck, Jr. date: 9-18-45

Radial Plot by: E.L.Bauman, L.A.Senasack date: 11 & 12/45

Detailed by: Mildred M. Trautman date: 7-10-46 to 9-12-46

Reviewed in compilation office by: Joseph W. Vonasek date: 9-12-46 to 10-3-46

Elevations on Field Edit Sheet checked by: date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 3

Shoreline (More than 200 meters to opposite shore): 14 statute miles

Shoreline (Less than 200 meters to opposite shore):  $1\frac{1}{2}$  statute miles  
measured along centerline of water area.

Number of Recoverable Topographic Stations established: 12  
Two of which are Theodolite Stations

Number of Temporary Hydrographic Stations located by radial plot: 79

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 - 8559

COAST OF MAINE

BLUE HILL HARBOR, BLUE HILL BAY

1. DESCRIPTION OF THE AREA:

According to instructions dated August 10, 1944, Map Manuscript, Survey No. T-8559 is a shoreline survey only.

Filed in Div. of Photogrammetry  
Office Files.

Map Manuscript for Survey No. T-8559 covers an area of Blue Hill Harbor from The Nub to McHeard Cove, including Darling Island and a portion of Long Island. 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 934 feet at Blue Hill. Two towns, Blue Hill and East Blue Hill are within the limits of this survey.

2. COMPLETENESS OF FIELD INSPECTION:

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

3. INTERPRETATION OF THE PHOTOGRAPHS:

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

4. HORIZONTAL CONTROL:

Two previously established horizontal control stations were recovered in good condition and accurately identified on the field photographs. One of these was identified by a Substitute Station.

Two new theodolite stations were established within the area of this survey. Both of these are identified by substitute stations.

One station searched for was not found. One station was found destroyed but was approximately identified on the field photographs.

Form 526, Recovery Note, is being submitted for each of the previously established Horizontal Control Stations searched for in the area of this survey.

Form 524 is being submitted for the new stations established in the  
Filed in Div. of Photogrammetry - General Files

area of this survey.

5. VERTICAL CONTROL:

No vertical control was identified on the field photographs.

6. DRAINAGE:

No drainage was identified on the field photographs.

7. MEAN HIGH WATER LINE:

All of the Mean High Water Line was inspected from a dinghy kept close to the shore or by traversing on foot. Where the Mean High Water Line could not be directly identified on the field photographs, reference measurements were taken or the distances 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, ledge 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 uncover at Mean Low Water or at the time and date of inspection noted.

8. MEAN LOW-WATER LINE:

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

The position of all of the Mean Low Water Line has been identified by the Field Units and indicated on the field photographs. 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 SHORE LINE STRUCTURES:

All piers and other 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 offshore from the Mean High Water Line revealed by photography include rocks and rock ledge areas that bare at Mean High Water

or uncover at Mean Low Water, grass in water areas, small rocky islets, mud, sand, gravel, boulders, and ledge areas.

The character of the foreshore areas has been indicated on the field photographs. The extent to which several prominent rocks uncover at Mean Low-Water, bare at Mean High Water or uncover at the time of field inspection with time and date, has also 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 new or previously charted landmarks or nonfloating aids to navigation fall within the limits of this survey.

12. HYDROGRAPHIC CONTROL:

10 Recoverable Photo (Topographic) Stations  
79 Temporary Photo (Topographic) Stations  
2 Theodolite Stations

Descriptions have been furnished for all stations.

Form 524 has been submitted for each of the Recoverable Photo (Topographic) Stations and Theodolite Stations  
Filed in Div of Photogrammetry - General Files.

14. ROAD CLASSIFICATION:

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

18. GEOGRAPHIC NAMES: 817

No investigation.

COMPILATION REPORT  
MAP MANUSCRIPT SURVEY NO. T-8559  
COAST OF MAINE  
BLUE HILL HARBOR, BLUE HILL BAY  
PROJECT CS-272 E

26. CONTROL:

The horizontal control in the area of the Map Manuscript for Survey No. T-8559, consists of eight stations. They are as follows:

Six within the limits of the Map Manuscript

* BLUE HILL, 1862, r 1934, r 1944	Triangulation
BLUE HILL CONGREGATIONAL CHURCH SPIRE, 1863, r 1934, r 1944	Triangulation
* HAND, 1944	Theodolite
** WOOD, 1864	Triangulation
* WOOD, 1944	Theodolite
** WOOD'S, G.J. HOUSE WEST CHIMNEY 1863, reported lost in 1944	Triangulation

Two outside the limits of the Map Manuscript

BLUE HILL FALLS WHITE HOUSE N. CHIMNEY 1863	-	Triangulation
* MORGAN 2, 1934 r. 1944	-	Triangulation

\* Identified by a well defined substitute station. The positions of these substitute stations have been shown on the map manuscript with very small black acid ink circles, accompanied with the note "SUB. STA." WOOD, 1944, is identified by a substitute station and an alternate substitute station.

\*\* Not used to control the radial plot. See radial plot report for discussion of triangulation station "WOOD'S, G.J. HOUSE WEST CHY. 1863" Lost. Removed from the map manuscript by reviewer.

27. RADIAL PLOT

The radial plot for the area of this survey is part of a combined Radial plot made with celluloid templates. See the radial plot report for Map Manuscript Surveys Nos. T-8557, T-8558, T-8559, T-8567, and T-8568 submitted to the Washington Office on July 19, 1946.  
Filed in Div. of Photogrammetry - General Files.

28. DETAILING

The horizontal (control) stations and horizontal pass points available for the compilation of this survey were adequate.



28. DETAILING:(Continued)

The photographic coverage was adequate except at Closson Point. This area was at the extremities of each of the photographs on which it appeared.

According to instructions, Map manuscript for Survey No. T-8559 has been detailed as a shoreline survey.

30. MEAN HIGH WATER LINE:

The Mean High Water Line bordering along firm ground has been delineated in accordance with the field data. The Mean High Water Line is shown with a continuous heavy weight black acid ink line. There were no marsh areas bordering along the Mean High Water Line in the area of this survey.

31. MEAN LOW WATER LINE:

The definite and approximate positions of the Mean Low Water Line has been delineated in accordance with the field data. The approximate position is shown with a dotted black acid line and the definite position is shown with a dot and dash black acid line.

See Review Report.

31-A. FORESHORE AREAS:

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

See Review Report.

31-B. SHOAL LINES:

The approximate outline of shoal areas was delineated in accordance with the 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 with the note "Shoal".

31-C. 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. 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 rock ledge, shoals, sunken reef areas, and small rocky islets, which have been shown in accordance with the field data and the office interpretation of the photographs.

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

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

33. WHARVES AND SHORELINE STRUCTURES:

Several bridges, cribbing areas, wooden piers, a stone pier, a fish trap, and a private sea plane ramp have been delineated in accordance with the field data and accompanied with descriptive notes.

34. LANDMARKS AND AIDS TO NAVIGATION:

No new or previously charted landmarks or nonfloating aids to navigation fall within the limits of Map Manuscript Survey No. T-8559, and none are recommended for charting.

35. HYDROGRAPHIC CONTROL:

- 10 Recoverable Photo Topographic Stations - Located by radial plot
- 79 Temporary Photo Topographic Stations - Located by radial plot
- 2 Theodolite Stations

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

Form 524 is being submitted for each of the ten Recoverable Photo (Topographic) Stations and the two Theodolite Stations.  
Filed in Div. of Photogrammetry - General Files.

37. BRIDGES:

A wooden bridge has been delineated across McHeard Cove, accompanied with a descriptive note giving horizontal and vertical clearance at Mean High Water in accordance with field inspection data.

38. GEOGRAPHIC NAMES: <sup>314</sup> List filed in Div. of Charts - Geographic Names Section.

According to instructions, no geographic names investigation was made for the area of this survey by the Field Unit. The geographic names appearing on the Map Manuscript have been taken from Nautical Chart No. 307 and the Blue Hill, Maine, U.S. Geological Survey Quadrangle Map.

A list of geographic names is attached to this report.

39. JUNCTIONS:

The junction with Map Manuscript Survey No. T-8566 to the east has been made and is in agreement. There is no shoreline junction with the Map Manuscript, Surveys Nos. T-8560 and T-8047 to the north and west.  
(Not in progress at the time of review.)

39. JUNCTIONS: (Continued)

respectively. The junction with Map Manuscript Survey No. T-8558 to the south will be made when that survey is compiled.

*Junction checked by reviewer.*

40. HORIZONTAL ACCURACY OF IMPORTANT PLANIMETRIC DETAILS:

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

41. RECOMMENDATIONS FOR FUTURE SURVEYS:

Map Manuscript, Survey No. T-8559 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. 307 also attached to this report.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLE:

United States Geological Survey, Blue Hill, Maine, Quadrangle, 15' Series, Scale 1:62,500, edition of 1944.

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

Minor differences in land features are mentioned in the accompanying "Notes to Reviewer". See Review Report

45. COMPARISON WITH NAUTICAL CHARTS:

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

Details in common to the Map Manuscript and to the Chart are, in general, in good agreement.

Minor differences in land features are mentioned in the accompanying "Notes to Reviewer" and offshore features for which data were lacking have been mentioned in the "Notes for Hydrographic Parties" also attached to this report. See Review Report.

Respectfully submitted:  
13 September 1946.

Mildred M. Trautman  
Mildred M. Trautman  
Photogrammetric Aid

Map Manuscript and  
Descriptive Report  
Reviewed by

Joseph W. Vonasek  
Joseph W. Vonasek  
Photogrammetric Engineer

Compilation of Map  
Manuscript Supervised by:

Harry R. Rudolph  
Harry R. Rudolph  
Photogrammetric Engineer

Approved and Forwarded:  
9 October 1946

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

1944  
 IDENTIFICATION REPORT  
 HORIZONTAL CONTROL  
 MAP MANUSCRIPT SURVEY NO. T - 8559  
 PROJECT NO. CS-272-E

Station	USGS Quadrangle	Recovery Date	Pricking Data
* BLUE HILL 1862, r 1934	Blue Hill, Me.	10-28-44	Positive
BLUE HILL CONGREGATIONAL CHURCH SPIRE 1863, r 1934	" " "	8-9-44	Positive
* HAND 1944	" " "	New	Positive
* WOOD 1944	" " "	11-8-44	Positive
** WOOD 1864	"	Not Found	
*** WOOD'S, G.J.HOUSE,W.CHY.1863	" " "	Lost	Positive

\* Identified by a substitute station. The positions of these substitute stations are shown on the Map Manuscript with very small black acid ink circles accompanied with the note "Sub. Sta."

\*\* Not used to control the radial plot

\*\* During the radial plot, this station proved to be incorrectly identified and was not used to control the radial plot.

Lost. Removed from map manuscript by reviewer

GEOGRAPHIC NAMES

(Undisputed)

Taken from Chart No. 307 and The United States Geological Survey,  
Blue Hill Maine Quadrangle

- ✓ • BLUE HILL
- ✓ • BLUE HILL FALLS
- ✓ • BLUE HILL HARBOR
- ✓ • CLOSSON POINT
- ✓ • DARLING ISLAND
- ✓ • DARLING LEDGE
- ✓ • EAST BLUE HILL
- ✓ • LITTLE PETERS BROOK
- ✓ • LONG ISLAND
- ✓ • McHEARD BROOK
- ✓ • McHEARD COVE
- ✓ • MILL STREAM
- ✓ • PARKER POINT
- ✓ • PETERS BROOK
- ✓ • PETERS POINT
- ✓ • SCULPIN POINT
- ✓ • THE NUB
- ✓ • TRIANGLES
- ✓ • WOODS POINT

✓ • Canary Point (44° 24.75' / 69° 30.2')

- State 175: Blue Hill to Blue Hill Falls, and then south-easterly).
- - 172: Southwesterly from Blue Hill Falls.
- - 177: Westerly from Blue Hill.
- - 15: Into Blue Hill from NW and NE.

Names preceded by • are  
approved. 1/14/48.  
L. Hatch.

NOTES  
FOR  
REVIEWER

COAST OF MAINE  
MAP MANUSCRIPT, SURVEY NO. T-8559

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 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 slim angle radials and are considered weak.

The 2½ millimeter black acid ink circles accompanied with a name, date (1945) and a number are the positions of the Recoverable Photo (Topographic) Stations. Such circles accompanied with a name and date (1944) are the positions of the Theodolite Stations. All other such circles accompanied with a number only, are the positions of the Temporary Photo (Topographic) Stations. A copy of the list of descriptions of all of these stations is attached to this report.

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

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 the office interpretation of the photographs and are shown with a short dashed black acid ink line accompanied with the note "Reef".

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

The following discrepancies between the Map Manuscript and the United States Geological Survey Blue Hill, Maine, Quadrangle were found:

Shown on the Map Manuscript but not on the Quadrangle

All foreshore and offshore features.

Geographic names - Darling Ledge, Triangles.

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

Six Bench Marks.

The following discrepancies between the Map Manuscript and the U. S. Coast and Geodetic Survey Nautical Chart No. 307 were found:

Shown on the Map Manuscript but not on the Chart

Large area of rock ledge around Darling Island and Peters Point.

Several piers, cribbings, two marine railways, a private seaplane ramp.

Numerous bare rocks, rocks awash and ledge areas along the shoreline of the entire survey.

All buildings.

Shoal areas near Sculpin Point and The Nub.

Reef area around Darling Island.

Several minor roads leading to shoreline from interior roads along entire survey.

Geographic names - McHeard Brook, Peters Point, Peters Brook, Little Peters Brook, Mill Stream.

Forty foot bluff on the tip of Long Island.

Charted features not shown on the Map Manuscript  
because no data were available

Sunken rock "Position Doubtful" S. of Darling Island.

Pier on Parker Point opposite Sculpin Point.

Six spar buoys, floating aids to navigation within the area of this survey.

Two roads north of Sculpin Point.

Bluffs along the shoreline of the entire survey.



Features shown on the Map Manuscript in disagreement  
with the Nautical Chart

Charted pier on mainland just west of Darling Island is shown on the Map Manuscript as a longer stone pier and lies in a different direction.

Two charted islets and 4 rocks awash near the "Triangles" off Parker Point are shown on the Map Manuscript as a large ledge area with two islets and one rock awash.

Numerous charted rocks awash are shown on the Map Manuscript as ledge areas that uncover at M.L.W.

Charted foreshore islet and ledge on point of land just east of McHeard Cove are shown on the Map Manuscript as three offshore islets and surrounding ledge.

Islet in harbor just SE of Blue Hill is shown as ledge on the Map Manuscript.

Charted islet east of Parker Point is shown as ledge on the Map Manuscript.

The three charted islets named the "Triangles" are shown as three small ledge areas.

Shoreline north of highway bridge across McHeard Cove.

Respectfully submitted  
13 September 1946

*Mildred M. Trautman*  
Mildred M. Trautman  
Photogrammetric Aid

Approved and Forwarded  
9 October 1946

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

Division of Photogrammetry  
Review Report of  
Shoreline Map Manuscript T-8559

Subject numbers not used in this report have been adequately covered in other parts of the descriptive report.

26. Control.-

One triangulation station, listed as lost by the field inspection party, was removed from the map manuscript.

Recovery dates were removed from the remaining triangulation stations.

28. Detailing.-

Unnecessary notes were deleted where the symbols clearly indicate the nature of the feature.

31. Low Water and Shoal Lines.-

The low water line as shown on the map manuscript, is not in accordance with the specifications in Field Memorandum No. 1, 1938. It would be difficult to remove the incorrect symbol without removing part of the ledge or boulder symbols, since they coincide.

Several shoal areas not compiled have been delineated on the photographs, and added to the map manuscript.

32. Details Offshore from the High Water Line.-

Symbols for rocks awash, small islands and their elevations were changed in accordance with Photogrammetry Instructions No. 3, 1946.

44. Comparison with Existing Topographic Surveys.-

USGS, Blue Hill, Me, 15' Quadrangle, 1:62,500, 1944		
T-1428	1:10,000	1875
T-1451	1:10,000	1877

The surveys are in fair agreement with the map manuscript with the following exceptions:

The shoreline at Sculpin Point and Southwest of Parker Point at the entrance to the pond.

An island on the quadrangle, southwest of Closson Point, is not on the map manuscript.

Many small islands along the shoreline that are shown on the map manuscript, particularly in the area from Parker Point to The Nub, are not shown on the surveys.

45. Comparison with Nautical Charts.-

Chart No. 307	1:40,000	1943
1202	1:80,000	1932 Corr. 1946

The nautical charts are in fair agreement with the map manuscript with the following exceptions:

Rock awash at latitude  $44^{\circ}24.7'$  longitude,  $68^{\circ}30.7'$  is not on the charts.

Reefs and small islands at the entrance to McHeard Cove are not on the charts.

The shoreline shown on the map manuscript at Sculpin Point and at latitude  $44^{\circ}24.6'$ , longitude  $68^{\circ}34.0'$  differs with the charts.

Many small islands and reef areas from Parker Point to The Nub are not shown on the charts.

Several piers shown on the map manuscript are not shown on the charts.

The map manuscript has not been applied to nautical charts.

Reviewed by:

Reviewed under direction of:

Charles Theurer  
C. Theurer  
12-1-47

S. V. Griffith  
S. V. Griffith  
Chief, Review Section

APPROVED BY:

B. J. Jones 1/48  
Technical Assistant to the  
Chief, Div. of Photogrammetry

J. P. ...  
Chief, Nautical Chart Br.  
Division of Charts

K. T. Adams  
Chief, Div. of Photogrammetry

C. K. Green  
Chief, Div. of Coastal Surveys

COAST OF MAINE

PROJECT CS-272-E

DESCRIPTIONS OF THE RECOVERABLE PHOTO (TOPOGRAPHIC) STATIONS,  
TEMPORARY PHOTO (TOPOGRAPHIC) STATIONS AND THEODOLITE STATIONS,  
FOR THE AREA OF MAP MANUSCRIPT SURVEY NO. T-8559

NUMBER OF RECOVERABLE PHOTO (TOPOGRAPHIC) STATIONS	10
NUMBER OF TEMPORARY PHOTO (TOPOGRAPHIC) STATIONS	79
NUMBER OF THEODOLITE STATIONS	<u>2</u>
TOTAL NUMBER OF STATIONS	- - - 91

Listed by

*Mildred M. Trautman*  
Mildred M. Trautman  
Photogrammetric Aid

Checked by

*Joseph W. Vonasek*  
Joseph W. Vonasek  
Photogrammetric Engineer

Descriptions in ink, numbered with letter "a", were additional hydrographic stations located by orienting 1952 ratio prints under manuscript and pricking through. Work done in Washington office in winter of 1953 (San)

*David F. Romero*

46. Station is 30' evergreen 1 meter inside of grass line. 9 m. inshore from M.H.W. 10" in diameter.
- 46a. *Top of rock which bares 2 ft. at MHW.*
47. "GRAN 1945". Station is bronze disk stamped "GRAN 1945" cemented in drill hole in a white top boulder, approximately in the center of a clearing which is the northeasterly of 2 clearings divided by a narrow strip of deciduous trees. Station is 16 meters south of top of bluff at north point of Long Island. Boulder is 4 meters in diameter and projects 2' above ground. 3 larger boulders are just south of station.  
Recoverable Photo (Topographic) Station.
48. "ROCK 1945". Station is bronze disk stamped "ROCK 1945" cemented in drill hole in top center of large white boulder 10' in diameter. Boulder is 15 meters east of tree line, bares 7' at M.H.W. and is the only large boulder in vicinity. Station is located on the E. shore of Long Island, about 1300 meters south of the N. tip of Long Island. Recoverable Photo (Topographic) Station.
49. Station is boulder 3 meters out from M.H.W.L.
525. "CHIMNEY 1945". Station is the east chimney on 2 story white house with green paint around base at east end. Chimney is near east gable of house. House is located in East Blue Hill at the western end of the highway bridge across McHeard Cove. There is a brown barn 20 feet to the east of the house. Recoverable Photo (Topographic) Station.
526. Station is the chimney in center part of west end of white 1½ story house. There is a barn with a collapsed roof to the south of this house about 100 yards. There are 3 apple trees in a field to the west of it.
527. Station is the base of a 35' evergreen tree at the edge and to the west of a large open field. There are several birch trees growing around the tree.
- 527a. *Top of inshore one of two rocks wash at MHW.*
528. Station is the base of a 35' evergreen growing in the middle of some shrubbery on a little knoll. Bottom limbs on this tree are dead but top limbs alive. Base of tree is blazed to aid in its recovery.
529. Station is westerly of tree growing on small point just south of drain. Tree is an evergreen and is around 30' tall.
545. "CHIMNEY 1945". Station is the top of chimney on white house with green trim. This house has a smaller guest house about 150 yards to the southwest of it. Largest chimney on house. Chimney on house is 41 meters in from the M.H.W.L. and about halfway between McHeard Cove and Woods Point. Recoverable Photo (Topographic) Station.
564. Station is the S.E. corner of the offshore end of a pier running down from round boat or summer house.
566. "CHIMNEY 1945". Station is the west stone chimney on a gray 2 story house with green shutters. House has open porch on south side. There is a 40' evergreen tree growing on the southeast corner of the yard. Station is on large point of land about 1.1 miles along road leading

east from East Blue Hill, about 70 meters N. of M.H.W.L. Recoverable Photo(Topographic) Station.

567. Station is the top of a pointed white boulder about 4 meters outside the M.H.W.L. There are 2 other small boulders near this larger boulder.
568. Station is the base of a 25' evergreen tree growing near shore and the farthest to the south than any of the others.
569. Station is the west gable of a small unpainted shack sitting about 6 meters inside the M.H.W.L.
570. Station is the base of a 15' apple tree growing at head of cove and about 10' to the north of a group of boulders.
571. Station is the top center of a white topped boulder sitting on a ledge. There is a crack running through this boulder on the south side. Boulder is on M.H.W.L.
572. Station is the base of a 8' evergreen tree growing in center of ledge. There is a float running off this ledge.
- 572a *Highest part of rock being 2 ft. @ MHW*
573. Station is the top of largest boulder in crevice of ledge on M.H.W.L. Boulder is at the foot of a stairway running down to the ledge from cottage.
574. Station is top of the "Widows Watch" Lookout Tower on the roof of a green top and white bottomed house. There are two chimneys on this house on either side of this tower.
575. Station is the west gable of unpainted boat house approximately 5 meters in from M.H.W.L.
576. Station is the northeast corner of offshore end of cribbing. There are inlaid rocks forming the foundation of this cribbing on inshore side.
577. Station is the base of the tallest anddarkest evergreen tree to the southeast of a gray cottage about 100 yards.
- 577a *seaward end of long pier or jetty at junction with wide platform at end*
578. Station is the base of a 20' evergreen tree growing in the midst of a group of smaller trees. This tree is east southeast from brown cottage about 60 yards.
579. Station is the base of a partly dead evergreen tree. The most northeasterly tree on island.
580. Station is the top of a white boulder sitting in grass on southeast side of island. Boulder sitting back in grass about 4 feet from grass line.
581. Station is the south corner of offshore end of large stone pier. } *large ww banner*
582. Station is the southeast gable of a long unpainted boat house. This boat house has a hexagon roof on it. This station is Sub.Sta. WOOD.

588a - Top of lone boulder-like projection  
 on foreshore.  
 589a - Lone bushy pine on point  
 589b - South gable of shack  
 593a - Top of projecting ledge  
 593b - West corner of stone pier old

583. Station is the south tip of grass about 7 meters in from M.H.W.L. *tripod*  
 There are rocks piled on point to aid recovery.
584. "CHIMNEY, 1945". Station is the east stone chimney on large 2 story house. House is white with green roof located at Wood Point about 50 meters north of M.H.W. L. about 700 m. West of an old stone pier. Recoverable Photo (Topographic) Station.
585. Station is the top of a white round boulder at M.H.W.L. This boulder sits at the base of a reddish colored ledge. *Elf ww*
586. Station is the base of a large rooted evergreen tree with roots leading inshore. This tree leans slightly out over the water. Trunk of tree is about 2 meters in from M.H.W.L. and has a 1' diameter trunk. *Far striped*
- ~~586a. Top of white boulder at MHWL.~~
587. Station is the south corner of cribbing. *ww, tripod* *Gem*
588. Station is the white topped pointed boulder at south tip of point. Boulder is 3 meters in from M.H.W.L. Boulder is about 4 1/2 feet tall. *Hex*
- ~~588a. Highest part of more sw'ly of group of boulders just outside MHWL (not used)~~
589. Station is the northwest gable of small unpainted shack about 5 meters in from M.H.W.L. Shack is sitting up on posts above rocks on shore. *Ida Joy*
- ~~589a. Lone bushy pine on point~~
590. "CHIMNEY, 1945". Station is the east chimney on large 2 story white house with black blinds. There is a flagpole to the southeast of the house sitting on ledge. Trees growing around front of house. Chimney is 25 meters in from M.H.W.L. Located between Closson Point and Sculpin Point. Recoverable Photo (Topographic) Station. *Kid*
- ~~590a. Boulder on foreshore. Foreshore boulder bearing 2 ft. @ MHW~~ *Lux*
591. Station is the top center of large white tipped boulder. There is moss covering the top corner of this boulder and this boulder is the farthest boulder offshore and largest. *flagpole* *Pol*
- 591a chimney on main gable and toward east side of house.
592. Station is the top center of 5' high reddish brown boulder about the head of cove and about 20' out from grass patch growing on shore. The boulder has a point on the end of it. *Man*
- 592a. Top of SW'ly projection of HWL ledge
593. Station is the base of a 30' very gnarled evergreen tree growing on the top of a very large ledge slipping down and into water. This tree is 7 meters in from M.H.W. L. and is about on grass line.
- ~~593a. Top of projecting ledge~~
594. Station is the base of an 80' large evergreen tree that is growing in front of square house. There are guy wires holding this lone tall majestic evergreen tree. *Pin*
- 594a Boulder on foreshore at end of point at junction of bare ledge and kelp line.
595. Station is the base of lone evergreen tree sitting at edge of field. *Rio*
- 595a. Small boulder @ MHWL
596. Station is the top of large white chimney on 2 story house at head of small cove sitting up on hill. *Tap*
597. Station is center of small underpass running under main highway. *Sub*

598. Station is chimney in center of white 2 story house with black blinds. This house has a red barn and chicken house to the east of it.
599. "CHIMNEY, 1945". Station is the <sup>southwest</sup> chimney of large gray 2 story house on a hill. Two large elm trees are in front of the house. House is partly covered with ivy. Station is on Peters Point about 100 meters S.W. of M.H.W.L. Recoverable Photo (Topographic) Station. Use
600. Station is the top of round topped white boulder. Val
601. Station is the top of tower on yellow barn on pier. This is attached ~~to barn.~~ corner of stone pier Zig  
601a Small boulder on foreshore ledge Abe
602. Station is most southeasterly small evergreen on bank. This tree sits about 20' to the southeast of another small tree. Bus
603. Station is the south gable of white 2 story house sitting on south side of highway. There is an unpainted barn to the south of this house.
604. Station is the northeast corner of cribbing. Dud
605. Station is the top center of black boulder sitting by itself. There is a little stream running back into shore on the south from boulder. FEI
606. Station is the top of cupola on unpainted barn. Barn is to the north of a white house. Large open field to east of house and barn. Fez  
606a Fez
607. Station is the base of a lone 10' evergreen tree growing on east end of a long gray ledge. (at NW)
- 607a Top of 4 ft rock → highest part of a 5 ft rock.
- 608a 626. Station is the base of a 20' evergreen tree on point. Tree is a lone evergreen.
627. Station is the southeast gable of green boat house with a staff attached to it.
628. Station is chimney on northwest section of orange house. The house sits across the highway.
629. Station is southeast gable of white house with green trim. There is a closed in sun porch on the southeast side of this house. OK
630. Station is the north gable of small red garage sitting by itself across the highway.
631. Station is the base of most northerly 6' evergreen tree on small island.
632. Station is the base of a 30' lone evergreen tree growing on side of ledge. OK
633. "CHIMNEY, 1945" - Station is the top of most northerly chimney on very large 2 story house. Bottom part of house is gray stone and  
633a SE corner of square platform at end of walkway. float



- upper part is brown. House has stone steps in front. Station is about 400 meters north of Blue Hill Falls. Recoverable Photo (Topographic) Station.
- ~~633a See previous page~~ 633b see H-8110
634. Station is the base of southeasterly evergreen tree on point. The point has a green summer house on it.
- 634a Top center of ~~summer house~~ (Hexagonal ~~summer house~~)
635. Station is the base of a 30' evergreen on east side of small point.
636. Station is the northeast corner of farthest offshore end of cribbing.
637. Station is the base of a real bushy evergreen tree sitting by itself.
638. Station is the top of stone chimney on highest part of a gray stone cottage sitting on a large ledge. There are three large windows on the southeast side of house looking out over water. 22g
639. Station is the base of most easterly lone evergreen tree on point. Add Amy 22g
640. Station is the base of a lone 35' triple evergreen tree on point about 35' southeast of a white flagpole. Ya k
641. Station is the base of a 50' evergreen tree growing alongside of the north end of house.
- 641a SE'ly of two bushes on point. white bows in branches Woo
642. "CHIMNEY, 1945". Station is the center stone chimney at northwest gable of northeasterly section of brown shingled house with white trim. The chimney on house is 14 meters in from the M.H.W.L. Station is just S. of Parker Point on the road between Blue Hill and Blue Hill Falls. Recoverable Photo (Topographic) Station. Tax
- 642a Peak of 4 corner roof of very small house. vet
643. Station is the base of a large 60' evergreen tree with about an 18" trunk and about 15' southeast of a brown house with green trim. Tree stands by itself and is largest in vicinity.
644. Station is the base of a 4' evergreen tree on point.
- 644a Boulder bearing 3 ft. at MKU ~~point~~ ww Ram
645. Station is the top center of a large white boulder on beach in center of cove. This boulder has a large split running through it dividing it. ww Pug
- 645a Top of large boulder which bears 9 ft. at M.W.
685. Station is the chimney on northwest end of old unpainted barn sitting at edge of cove. There is an "A.F. Townsend" Contractor's sign on the end of it.
686. Station is the south gable of unpainted barn sitting at edge and head of small cove. There is one window under this gable. Also has a staff attached.
687. Station is the most southerly of a line of deciduous trees running out on point of land. This tree is about 15' and most southerly.
- 687a South<sup>west</sup> gable of house. Cat

688. Station is the base of an 18' evergreen tree growing on the south side of a gully running up into the woods about 35'. The tree is growing on the side of a ledge and has been blazed to aid in recovery.
689. Station is the top center of a white topped boulder sitting in approximately the center of a small cove. This boulder is about 8-10' high and has a spike driven in the top center of it. ww Hag
690. Station is the top center of largest ragged boulder in center of small cove with a grass patch to the south of the boulder. This is the northwest of two. There are several smaller boulders to the south of the larger boulder. ww Ice
691. Station is the northeastern of two 15' evergreen trees about  $4\frac{1}{2}$ ' apart. These trees set on the edge of golf course. (Dist ?)
- 691a NE-ly Tree on point.
692. Station is the base of a 60' twin evergreen tree. This tree is 10 feet to the northwest of another similar tree. Both trees are on the east end of a culvert running under the road.
693. Station is the base of a 60' evergreen tree with an 18" diameter trunk and a projecting root. There is a white round 3' diameter boulder at the base of this tree. Also two iron spikes driven into side of ledge about 10' to the northeast of this tree.
694. Station is the top center of little summer house sitting on end of ledge overlooking the bay.
695. Station is the top of a round white topped boulder on small island about 2 meters outside the M.H.W.L. This boulder is on southwest end of island. ww Key
696. Station is the base of an 18' evergreen at inshore end of a ledge. The base of this tree has been blazed to aid in recovery.
697. Station is the west stone chimney on a 2 story white house sitting on point of land 75' above sea level. The house is surrounded by evergreen trees. Mar
698. Station is the brick chimney on the southeast part of house built on ledge. Chimney is about 2 meters in from the southeast gable of highest part of roof. There is an open porch running around the lower side of house. Ned
699. Station is the east gable of a large white 2 story house. There is a large semi-closed-in porch on east side of house with a lattice covering built up under the porch. This house has a four sided roof. obi
700. Station is the northeast gable of a shingled old store. East side of store is white and rest of store is unpainted.

"HAND, 1944". Station is located on the northern end of Long Island, in upper Blue Hill Bay, about 350 meters southeast of the northern tip of the island, about 250 meters northwest of a distinctive low sandy point on the northeast side of the island, on the first small point to NW of the above sandy point, 3 meters back of the Mean High Water Line and 2 meters outside of the brush line. Mark is a standard disk stamped "HAND, 1944" set in ledge rock. Theodolite Station.

"WOOD, 1944". Station is located on the eastern part of Woods Point on the northern side of Blue Hill Harbor in upper Blue Hill Bay, about 400 meters SW and visible from an old large stone pier, 65 meters SW of the SE gable of an old hip-roof barn, 2 meters inshore from M.H.W.L., 4 meters outside tree line, and will just see the most southerly tip of Woods Point to west. Mark is a standard disk stamped "WOOD, 1944" set in ledge rock. Theodolite Station.



NOTES  
FOR  
HYDROGRAPHIC PARTIES  
COAST OF MAINE  
MAP MANUSCRIPT, SURVEY NO. T-8559  
PROJECT NO CS-272-E

*Completed*

The 2½ millimeter black acid ink circles accompanied with a name and date (1945) and a number are the positions of the Recoverable Photo (Topographic) Stations. Such circles accompanied with a name and date (1944) are the positions of the Theodolite Stations. All other such circles accompanied with a number only are the positions of the Temporary Photo (Topographic) Stations. Two copies of the list of descriptions of all of these stations have been furnished for your use.

The very small black acid ink circles accompanied with 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 M-982-1 submitted to the Washington Office.

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

The outlines of reef and shoal areas are approximate and are for your advance information only. They are shown with short dashed and long dashed black acid ink lines accompanied with the notes "Reef" and "Shoal" respectively.

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

All floating aids to navigation within the area of the Survey.  
Sunken rock "Position Doubtful" S. of Darling Island.

Pier on Parker Point opposite Sculpin Point. ✓

*Pier destroyed*

Note: For location see section of Nautical Chart No. 307 attached to this report. These features have been indicated with a red ink line around the area in which they fall.

The following charted features are in disagreement with the Map Manuscript as delineated in accordance with field data and should also be investigated.

Islet in harbor just S.E. of Blue Hill shown as ledge on Map Manuscript.

Islet east of Parker Point shown as ledge. ✓

Foreshore islet and ledge on point of land just east of McHeard Cove shown as three offshore islets and surrounding ledge.

Charted pier on mainland just west of Darling Island is shown on the Map Manuscript as a longer stone pier and lies in a different direction. Two charted islets and 4 rocks awash near the "Triangles" off Parker

*mc* ✓



Point are shown on the Map Manuscript as a large ledge area with two islets and one rock awash.


Numerous charted rocks awash are shown on the Map Manuscript as ledge areas that uncover at M.L.W.

The three charted islets named the "Triangles" are shown as three small ledge areas.


Shoreline north of highway bridge across McHeard Cove.

Note: For location see section of Nautical Chart No. 307 attached to this report. These features have been indicated by a green ink line around the area in which they fall.

Respectfully submitted  
13 September 1946

  
Mildred M. Trautman  
Photogrammetric Aid

Approved and Forwarded:  
9 October 1946

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



