

8557

D.C.No. 1202

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric Air Photo.
(Shoreline)

Field No. 272-3 Office No. T-8557

LOCALITY

State Maine Maine

General locality Blue Hill Bay - Eggenoggin
Reach

Locality Allen Cove, Herrick Bay and
Benjamin River

1946

CHIEF OF PARTY

W.F.Deane - D.E.Sturmer

LIBRARY & ARCHIVES

DATE

June 2 - 1949

B-1870-1 (1)

8557

DATA RECORD

T- 8557

Quadrangle (II):

Project No. (II): 272-E

Field Office:

Air Photographic Party No. 2

Chief of Party: *Dale E. Sturmer*
~~Fred. L. Peacock~~

Compilation Office:

Baltimore Photogrammetric Office

Chief of Party: William F. Deane

Instructions dated (II, III):
April 1, 1942 (Additional)Copy filed in *Division of Photogrammetry*
Descriptive *Office Filed*
Report No. T- (VI)

July 10, 1943 (Horizontal Control Requirements)

March 18, April 11 & July 17 (Supplemental)

August 10, 1944 (Additional) - August 26, 1944 (Amendment to Additional Instructions)

Completed survey received in office: 30 Oct. 1946

Reported to Nautical Chart Section:

Reviewed: 20 Nov. 1947 Applied to chart No. 309 Date: 4 Mar. 1947 (partial)

Redrafting Completed:

Registered: *August*
*July, 1948**Printed*
Published: 25 May 1947

Compilation Scale: 1:10,000

Published Scale: 1:10000

Scale Factor (III): 1.0000

Geographic Datum (III): N.A. 1927

Datum Plane (III): *M.H.W.*

Reference Station (III): HERRIMAN POINT 2, 1934 r. 1944

Lat.: 44° 18' 00.849" 26.2 m

Long.: 68° 32' 02.631" 58.3 m

Adjusted
~~Unadjusted~~State Plane Coordinates (VI): *Maine. East Zone*

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
44-C-1438 to 44-C-1442 inc.	5/29/44	1130	1:10,000	1.7' above MLW
44-C-1465 to 44-C-1468 "	5/29/44	1145	1:10,000	2.1' above MLW
44-C-1491 to 44-C-1494 "	5/29/44	1230	1:10,000	3.5' above MLW
44-C-1514 to 44-C-1517 "	5/29/44	1245	1:10,000	3.6' above MLW
44-C-1619 to 44-C-1623 "	6/4/44	1045	1:10,000	8.1' above MLW
44-C-1633	6/4/44	1100	1:10,000	7.7' above MLW
44-C-2088	6/23/44	1030	1:10,000	7.1' above MLW

Tide from (III): Predicted Tide Tables, Atlantic Ocean, 1944. Reference Station
 PORTLAND, MAINE, with corrections to Allen Cove, Blue Hill Bay, Maine, and
 * Centre Harbor, Eggemoggin Reach, Maine.
 Mean Range: 10.3 *10.1 Spring Range: 11.7 *11.5

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

Field Inspection by: Dale E. Sturmer date: September, November,
 & December, 1944
 September, 1945

Field Edit by: date:

Date of Mean High-Water Line Location (III): As of date of the photographs
 supplemented by field inspection data obtained during September, November,
 and December of 1944 and September of 1945.

Projection and Grids ruled by (III) R.C.S. date: 7/9/45

" " " checked by: S. R. date: 7/9/45

Control plotted by: Florence M. Senasack date: 9/13/45

Control checked by: Albert C. Rauck, Jr. date: 9/14/45

Radial Plot by: Edwin L. Bauman date: March 1946

Detailed by: Florence M. Senasack date: 7/29 to 8/2/46
 8/19 to 9/17/46

Reviewed in compilation office by: Joseph W. Vonasek date: 10/7 to 10/22/46

Map Manuscript
 Elevations on ~~Field Edit Sheet~~
 checked by: Charles Theurer date: Nov 1947

STATISTICS (III)

Land Area (Sq. Statute Miles): 6

Shoreline (More than 200 meters to opposite shore): 21 statute miles

Shoreline (Less than 200 meters to opposite shore): 3 statute miles
(measured along centerline of water area)

Number of Recoverable Topographic Stations established: 16
of which two are tidal bench marks, one is a theodolite station
station and one is a nonfloating aid to navigation

Number of Temporary Hydrographic Stations located by radial
plot: 74

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

MAP MANUSCRIPT SURVEY NO. T-8557

COAST OF MAINE

PROJECT NO. CS-272

1. DESCRIPTION OF THE AREA:

According to instructions dated August 10, 1944, Map Manuscript Survey No. T-8557 is a shoreline survey only.

Map Manuscript Survey No. T-8557 covers an area on Blue Hill Bay from Herrick Bay to Allen Cove on the east and on Eggemoggin Reach from Northwest Cove to Benjamin River on the west. The principal land features include the area from North Brooklin in the northeast, to Flye Point and Flye Island in the southeast, to Joyce Point in the southwest, to Sedgwick in the northwest.

Immediately adjacent to the mean high-water line the terrain is, in general, rocky. The foreshore area is commonly ledge rock, sand, gravel, boulders, and grass-in-water. There are some offlying ledges and small islands in this area .

The interior is hilly and mostly tree covered. There are a few grass and brush areas. The elevation rises from sea level to a maximum of 240 feet just northeast of Sedgwick.

2. COMPLETENESS OF FIELD INSPECTION:

The identification of the horizontal control and the mean high-water line is complete. The identification of the mean low water line and offshore features is incomplete. (See side heading No. 8, Mean High-Water Line, and Side Heading No. 10, Details Offshore from the Mean High-Water Line).

3. INTERPRETATION OF 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:

Three existing horizontal control stations were recovered in good condition and one new theodolite station was established. One of these stations and the theodolite station were identified by substitute stations.

4. HORIZONTAL CONTROL: (Continued)

Three stations searched for were not found.

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

Form 524, Description of Recoverable Topographic Station, is being submitted for the theodolite station. (BRID, 1944)

5. VERTICAL CONTROL:

Six tidal bench marks were investigated within the area of the survey. Five of these were recovered in good condition and one was destroyed. Only two bench marks were identified on the field photographs, namely: Bench Mark 1, (1879) in Allen Cove, Blue Hill Bay and Bench Mark A, (1876) in Centre Harbor, Eggemoggin Reach.

Form No. 685, Report on Condition of Bench Mark is being submitted for each of the six bench marks investigated.

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 point.

8. MEAN LOW-WATER LINE:

The identification of the mean low-water line within the area of the survey is incomplete. Only a small portion along the east shore of Joyce Point was inspected.

9. WHARVES AND SHORELINE STRUCTURES:

All of the 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:

Except for the entire area of Herrick Bay, all offshore rock ledge areas, rocks, islets, and fish traps revealed by photography were identified.

11. LANDMARKS AND FIXED AIDS TO NAVIGATION:

Two previously charted fixed aids to navigation fall within the limits of the survey. One previously charted landmark was recovered and identified on the field photographs.

12. HYDROGRAPHIC CONTROL:

15 recoverable photo (topographic) stations, 2 of which are bench marks.

74 temporary photo (topographic) stations.

1 theodolite station.

Form 524 has been furnished for each of the recoverable photo (topographic) stations and the theodolite station.

14. ROAD CLASSIFICATION:

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

18. GEOGRAPHIC NAMES: 214

No investigation.

26. CONTROL:

The horizontal control in the area of Map Manuscript Survey No. T-8557 consists of nine stations. They are as follows:

Seven stations within the limits of the map manuscript

<u>Name of Station</u>	<u>Type of Station</u>
*BRID, 1944	Theodolite <i>Topographic (fm 524)</i>
BROOKLIN CHURCH SPIRE, 1861, r 1934, r 1944	Triangulation
** CARTER'S HOUSE, NORTH CHIMNEY, 1862	Triangulation
** FLYE POINT FLAGSTAFF, 1864	Triangulation
** HERRIMAN POINT, 1864	Triangulation
* HERRIMAN POINT 2, 1934, r 1944	Triangulation
* TORRYS CASTLE BEACON 1934, r 1945	Triangulation

Two stations outside the limits of the map manuscript

BLUE HILL BAY (FLYE ISLAND) LIGHTHOUSE 1864 r 1934, r 1944	Triangulation
* SARGENT, 1934, r 1945	Triangulation

* 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.

27. RADIAL PLOT:

A separate radial plot was run for Map Manuscript Survey No. T-8557. Satisfactory results were obtained by orienting the photographs directly beneath the map manuscript. Twenty photograph centers and numerous pass points were located within the limits of the survey. See the radial plot report submitted to the Washington Office on July 9, 1946.

28. DETAILING:

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

No field data were available for the classification of the entire foreshore area of Herrick Bay. The features in this area were shown on the map manuscript with conventional symbols after careful office interpretation of the photographs.

The photographic coverage in the areas of Northwest Cove, Joyce Point, Cape Carter, Benjamin River, and Allen Cove was inadequate due to insufficient side overlap resulting in many of the detail points being determined by the intersection of only two radials, some of which were very slim angle intersections. However, it is believed that these points are all within the required limits of accuracy.

30. MEAN HIGH-WATER LINE:

The mean high-water line bordering along firm ground has been delineated in accordance with field inspection data and is shown with a continuous heavy-weight black acid ink line. The outer limits of marsh areas bordering the mean high-water line have been delineated with a continuous light-weight black acid ink line and the areas of marsh shown with the conventional symbols.

31. MEAN LOW-WATER LINE:

The mean low water line has been delineated in accordance with the field data wherever furnished. The definite position of the mean low-water line was shown with a light-weight dash and dot black acid ink line and the approximate position was shown with a dotted black acid ink line. The only portion delineated by the field unit was along the shoreline east of Joyce Point. No attempt was made by the compilation office to complete the delineation.

31A. SHOAL LINES:

Delineated in accordance with the compilation office interpretation of the photographs and shown with a long dashed black acid ink line

31A. SHOAL LINES: (Continued)

accompanied by the note "Shoal". Several probable shoal areas were not discernible on the photographs where the water appeared to be light-struck.

31B. REEF LINES:

Delineated in accordance with the compilation office interpretation of the photographs and shown with a short dashed black acid ink line accompanied by the note "Reef".

31C. FORESHORE AREAS:

The foreshore areas shown consist of rock ledge, boulders, detached rocks, gravel, sand, and grass in water. These areas were delineated in accordance with field data wherever furnished and after careful interpretation of the photographs by the compilation office. The extent to which some rocks or boulders bare at mean high water, or uncover at mean low-water has been noted on the map manuscript.

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

The offshore details shown consist of rock ledge areas, rocks, several islands and islets, and four fish traps. 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 piers, marine railways, and cribbing have been shown on the map manuscript in accordance with the field data.

34. LANDMARKS AND FIXED AIDS TO NAVIGATION:

Two previously charted non-floating aids to navigation, "TORRYS CASTLE BEACON" and "CENTRE HARBOR LEDGE BEACON", and one previously charted landmark, BROOKLIN CHURCH SPIRE, were shown on the map manuscript *2024* in accordance with the field data. Form 567 "Nonfloating Aids for Charts" is being submitted for "CENTRE HARBOR LEDGE BEACON".

35. HYDROGRAPHIC CONTROL:

15 recoverable photo (topographic) stations, two of which are also tidal bench marks, and one is a nonfloating aid to navigation.

74 temporary photo (topographic) stations
1 theodolite station. *(BRID, 1944)*

A list of the descriptions for all of the above stations is

35. HYDROGRAPHIC CONTROL (Continued)

attached to this report. Two additional copies of the list have been furnished for use of the hydrographic parties. It should be noted that the descriptions of four of the recoverable photo (topographic) stations were composed at the compilation office.

Form No. 524 has been submitted for the theodolite station and each of the recoverable photo (topographic) stations.

37. GEOGRAPHIC NAMES: *214*

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 Charts Nos. 307, 308, and 309, and the Blue Hill, Maine, U.S. Geological Survey Quadrangle Map.

A list of geographic names is attached to this report.

38. JUNCTIONS:

The junctions with Map Manuscript Survey Nos. T-8568 to the east, and T-8556 to the south, are in agreement,

The junctions with Map Manuscript Nos. T-8558 to the north and T-8048 to the west, will be made when those surveys have been compiled.

The junction with Map Manuscript No. T-8567 to the northeast passes through an all water area.

39. POSITION ACCURACY OF IMPORTANT PLANIMETRIC DETAILS:

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

40. RECOMMENDATIONS FOR FUTURE SURVEYS:

Map Manuscript, Survey No. T-8557 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 sections of Nautical Charts Nos. 307 and 309, also attached to this report.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

United States Geological Survey, Blue Hill, Maine, Quadrangle 15' series, scale 1:62,500, edition of 1944

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES: (Continued)

In general, the planimetry common to the quadrangle and the map manuscript is in good agreement. Minor differences are discussed in the "Notes to Reviewer" attached to this descriptive report.

45. COMPARISON WITH NAUTICAL CHARTS:

United States Coast and Geodetic Survey Chart No. 307, scale 1:40,000, published at Washington, D. C., August 1943, corrected to July 5, 1945, common area, United States Coast & Geodetic Survey Chart No. 308, scale 1:40,000, published at Washington D. C., December 1942, corrected to April 20, 1946, common area; and United States Coast and Geodetic Survey Chart No. 309, scale 1:40,000, published at Washington, D.C. July 1943, and corrected to April 27, 1946, common area.

In general, planimetry common to the chart and to the map manuscript is in agreement. Differences are discussed in the "Notes to Reviewer" and "Notes to Hydrographic Parties" attached to this report.

Respectfully submitted;
September 17, 1946

Florence M. Senasack
Florence M. Senasack
Photogrammetric Aid

Map Manuscript and
Descriptive Report
Reviewed by:

Joseph W. Vonasek
Joseph W. Vonasek
Photogrammetric Engineer

Compilation of Map Manuscript
Supervised by:

Approved and forwarded
30 October 1946

William F. Deane
William F. Deane,
Lieut., C&G Survey
Officer in Charge
Baltimore Photogrammetric Office

Harry R. Rudolph
Harry R. Rudolph
Photogrammetric Engineer

IDENTIFICATION REPORT

HORIZONTAL CONTROL

MAP MANUSCRIPT, SURVEY NO. T-8557

PROJECT NO. GS-272

Name of Station	U.S.G.S. Quadrangle	Recovery Data	Pricking Data
* BRID, 1944	Blue Hill	New	Positive
BROOKLIN CHURCH SPIRE, 1861, r 1934, r 1944	Blue Hill	8-8-44	Positive
** CARTER'S HOUSE, NORTH CHIMNEY, 1862	Blue Hill	Lost	
** FLYE POINT FLAGSTAFF, 1864	Blue Hill	Lost	
** HERRIMAN POINT, 1864	Blue Hill	Not Found	
* HERRIMAN POINT 2, 1934, r 1944	Blue Hill	8-8-44	Positive
TORRYS CASTLE BEACON 1934, r 1945	Blue Hill	10-9-45	Fair (within 3 meters)

* 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.

GEOGRAPHIC NAMES

(Undisputed)

- Allen Cove . .
- Benjamin River . .
- Blue Hill Bay . .
- Bridges Point . .
- Brooklin . .
- Cape Carter . .
- Chatto Island . .
- Deer Isle . .
- Eggemoggin Reach . .
- Flye Island . .
- Flye Point . .
- Flye Point (village) . .
- Flye Point Ledge . .
- Gander Island . .
- Goose Island . .
- Halftide Rock *not shown* . .
- Haven . .
- Herrick Bay . .
- Herriman Ledge . .
- Herriman Point . .
- High Head . .
- Joyce Point . .
- North Brooklin . .
- Northwest Cove . .
- Sedgwick . .
- Torry Ledge . .
- West Brooklin . .

• State No. 172 .
• " " 175 .

GEOGRAPHIC NAMES

(Disputed)

U.S.C. & G.S.
Nautical Chart
No. 308

- Torry Castle . .
- Torry Islands . .
- Centre Harbor . .

U.S.G.S.
Blue Hill, Maine
Quadrangle

- Torrey Castle
- Torrey Islands
- Center Harbor

Names preceded by • are
approved 1/12/48 L. Heck.

NOTES
FOR
REVIEWER

COAST OF MAINE

MAP MANUSCRIPT, SURVEY NO. T-8557

PROJECT NO. CS-272

All of the details have been shown with the usual symbols.

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

The 2½ millimeter black acid ink circles accompanied with a name, date (1944) and a number are the positions of recoverable photo (topographic) stations. Such circle accompanied with a name and date is the position of the theodolite station. 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 these stations is attached to this report.

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

The scales of the photographs and the map manuscript are in agreement.

Several probable shoal or reef areas could not be entirely delineated by the compilation office because the water areas on portions of some of the photographs seemed to be light struck.

Two rocks on the southern shore of Allen Cove, near temporary photo (topographic) station No. 2569, are given two different heights on the field inspection photographs and they are so indicated on the map manuscript.

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 - Flye Point Ledge, Torry Ledge, Herriman Ledge, Flye Point (village), and Halftide Rock.

Shown on the quadrangle but not on the map
manuscript because no data were available

5 bench marks

Features in disagreement

A dirt road connecting two dry weather roads shown on the quadrangle south of Allen Cove is shown on the map manuscript as a trail.

Geographic names; Torrey Islands, Torrey Castle, and Center Harbor, are shown on the map manuscript as Torry Islands, Torry Castle, and Centre Harbor, respectively.

The following discrepancies between the map manuscript and the charts were found:

Shown on the map manuscript but not charted

All buildings

Marsh, grass-in-water, and ledge in Benjamin River north of the bridge at Sedgwick.

Wooden marine railway and cribbing on east shore of Benjamin River about 1/2 mile southwest of bridge at Sedgwick.

A road east of Benjamin River and northeast of bridge at Sedgwick.

3 entrance roads and a trail running west from the main road from Sedgwick to West Brooklin.

A trail and entrance road in the vicinity of Bridges Point.

Four entrance roads and a trail in the vicinity of the village of Haven.

Trail about midway between Haven and High Head.

Three cribbing and two marine railways in Centre Harbor.

Pier and marine ways in the small cove between Centre Harbor and Northwest Cove.

Pier in Northwest Cove.

Entrance road at Joyce Point on Deer Isle.

A new pier and three cribbing in Allen Cove.

Three entrance roads east of main road south of North Brooklin

Geographic name Joyce Point

Four fish traps in vicinity of Flye Point

Two small islets south of Flye Island

Numerous rocks awash along shoreline of entire survey

Charted but not shown on the Map Manuscript

All floating aids to navigation

Two rocks awash south of Flye Point.

Bluff bordering most of the shoreline

Rocks awash on the western shore of Allen Cove

Rock awash southeast of Gape Carter

Two rocks awash in cove between Centre Harbor and High Head

Halftide Rock, a rock awash south of Flye Point

Herriman Ledge

Features shown on the map manuscript in disagreement with
the nautical chart

Most of the foreshore area, including ledge areas, sand and gravel areas, and grass-in-water areas

Pier in Centre Harbor now in ruins

Charted road south of Allen Cove is shown as a trail.

Five charted rocks awash between Centre Harbor and High Head are shown as four small islets on the map manuscript.

Charted rocks awash on the eastern shore of Allen Cove are shown as ledge on the map manuscript.

Charted marsh area and stream on the eastern shore of Herriman Point is shown as a pond in a grass area on the map manuscript.

Charted rocks awash and sunken rocks in the vicinity of Flye Point Ledge are shown as ledge on the map manuscript.

Charted point of land in cove on southwestern shore of Flye Point is shown as a sand bar and ledge on the map manuscript.

Charted ledge area in Benjamin River south of Sedgwick is shown as four rocks awash on the map manuscript.

Respectfully submitted
17 September 1946

Florence M. Senasack
Florence M. Senasack
Photogrammetric Aid

Approved and Forwarded
30 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-8557

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

28. Detailing.

Torry and Herriman Ledges were added to the map manuscript.

The names of features that do not appear on the map manuscript were deleted.

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

31. Low Water and Shoal Lines.

The dotted lines that were used on the map manuscript to show the limits of shoal areas and channel lines were deleted.

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.

U.S.G.S., Blue Hill, Me.; 15' quadrangle, 1:62,500, 1940-41		
T-1286b	1:10,000	1872
T-1379b	1:10,000	1874
T-1428	1:10,000	1875

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

The shoreline on the eastern side of Herriman Point is different on the quadrangle.

Small islands southeast of Chatto Island are not shown on the quadrangle.

Small islands southeast of Flye Island are not shown on the surveys.

45. Comparison with Nautical Charts.

Chart No. 307	1:40,000	1943
308	1:40,000	1942 Corr. 1947
309	1:40,000	1943 Corr. 1946
1202	1:80,000	1932 Corr. 1946

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

The island northwest of Herriman Point on the map manuscript is shown as a peninsula on the charts.

The island northeast of Herriman Point is not shown on the charts.

Rocks awash at Bridges Point, southwest of Haven, are not on the charts.

Rocks awash at latitude $44^{\circ}15.0'$, longitude $68^{\circ}31.8'$ and southeast of Chatto Island are not on the map manuscript.

The map manuscript has been partially applied to nautical charts.

Reviewed by:

Reviewed under direction of:

Charles Theurer
C. Theurer
November 20, 1947

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

APPROVED:

B. G. Jones
Technical Assistant to the
Chief, Div. of Photogrammetry

A. C. Edmonston
Chief, Nautical Chart Br.
Division of Charts

K. T. Adams
Chief, Div. of Photogrammetry

W. M. Scaife
Chief, Div. of Coastal
Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T 8557

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
3/4/47	309	J Walker	Before After Verification and Review Partially - a few rocks added
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
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			Before After Verification and Review

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

COAST OF MAINE
PROJECT NO. CS-272

DESCRIPTIONS OF THE RECOVERABLE PHOTO (TOPOGRAPHIC) STATIONS
AND TEMPORARY PHOTO (TOPOGRAPHIC) STATIONS AND THEODOLITE
STATIONS FOR MAP MANUSCRIPT, SURVEY NO. T-8557

NUMBER OF THEODOLITE STATIONS. 1
NUMBER OF RECOVERABLE PHOTO (TOPOGRAPHIC) STATIONS15
NUMBER OF TEMPORARY PHOTO (TOPOGRAPHIC) STATIONS.74
TOTAL NUMBER OF STATIONS 90

LISTED BY: Florence M. Senasack
Florence M. Senasack
Photogrammetric Aid

CHECKED BY: Joseph W. Vonasek
Joseph W. Vonasek
Photogrammetric Engineer

- 891. "LIGHTHOUSE, HIGH HEAD, 1945". Station believed to be peak of an ornamental lighthouse on High Head in the vicinity of Northwest Cove. (Description by compilation office). Recoverable photo (topographic) station. fm 524
- 892. "SAFE, 1945" Station is a standard bronze disc stamped "SAFE 1945" set in boulder or ledge rock in Centre Harbor in Eggemoggin Reach. Recoverable photo (topographic) station. (Description by compilation office). "
- 893. "KELP, 1945". Station is a standard bronze disc stamped "KELP, 1945" set in ledge rock. Located on the northern shore of Eggemoggin Reach approximately midway between Bridges Point and Centre Harbor. Recoverable photo (topographic) station. (Description by compilation office). "
- 894. "AQUA, 1945". Station is a standard bronze disc stamped "AQUA, 1945" set in boulder or ledge rock. Located on the northern shore of Eggemoggin Reach approximately 400 meters northwest of Bridges Point. Recoverable photo (topographic) station. (Description by compilation office). "
- 933. "SPIRE, 1945". Station is a spire on the east side of Sedgwick Baptist Church. Spire is dome-shaped, having a large weather vane on top. There are four large columns on east side of church. Church is about 150 meters northwest of bridge crossing Benjamin River. Recoverable photo (topographic) station. "
- 945. "SPIRE, 1945". Station is the spire on the Union Chapel Church in West Brooklin. Church is a short distance east of Cape Carter at the mouth of the Benjamin River. Recoverable photo (topographic) station. "
- 1429. Northeast gable of small house.
- 1430. "GABLE, 1944". Station is the north gable of a 1-story, shingled, unpainted boat house with stone and concrete foundation. Northern end has double doors and small square ventilator in gable. Boat-house is located on the southern side of Herrick Bay, about 1½ miles southeast from head of Bay, and about ¾ mile WSW from the tip of Flye Point, and about 3 meters back of Mean High-Water Line. Recoverable photo (topographic) station. "
- 2482. 35 foot evergreen
- 2483. 30 foot evergreen
- 2484. 25 foot evergreen
- 2485. 15 foot apple tree
- 2486. 15 foot overhanging evergreen.

- 2487. 35 foot evergreen
- 2488. 25 foot evergreen
- 2489. Boulder on point - 3 feet at mean high-water.
- 2490. Boulder in water - 4 feet at high-water.
- 2491. 25 foot evergreen on bank of shore.
- 2492. 15 foot evergreen.
- 2493. White boulder - 4 feet at high-water. (Field inspection photograph No. 1620 shows this boulder as 3 feet above mean high water.)
- 2494. 30 foot evergreen
- 2495. North end of large boulder
- 2496. "GABLE 1944". Station is the west gable of 2-story white lap-board house with green roof. Located at the head of Herrick Bay about 1 mile NE of Brooklin and 1/2 mile W of village of Flye Point. Recoverable photo (topographic) station. *fm 524*
- 2497. 20 foot evergreen.
- 2498. Most westerly of evergreens on point.
- 2499. East gable of 2½ story white house with black roof.
- 2500. 40 foot evergreen leaning towards the water.
- 2501. Largest evergreen on point.
- 2502. 35 foot evergreen
- 2503. 40 foot overhanging evergreen.
- 2504. 40 foot twin evergreens.
- 2505. 30 foot evergreen.
- 2506. Southwest gable of small shack.
- 2507. Brick chimney on white 1½ story house with black roof.
- 2508. 30 foot evergreen.
- 2509. 25 foot evergreen on bank.

- 2510. 30 foot flat-topped evergreen.
- 2511. 40 foot evergreen
- 2512. 25 foot evergreen
- 2513. Boulder in water - 2 feet at high water. (Field inspection photograph No. 1620 shows this boulder as 3 feet above mean high water.)
- 2514. South gable of shingled shack.
- 2515. 45 foot evergreen on small island.
- 2516. 40 foot twin evergreens.
- 2517. 15 foot evergreen. Northwest one of small group.
- 2518. 40 foot evergreen on west point of island.
- 2519. "CHIMNEY 1944". Station is brick chimney on small one-story, unpainted, shingled house. Two windows on north side. Small shack on east side. Located on north central Flye Island. Recoverable photo (topographic) station. *fm 528*
- 2520. Northeast tip of black boulder - 4 feet above high-water. (Field inspection photograph No. 1442 shows this boulder as 3 feet above mean high water.)
- 2521. Center of top of boulder on point. 2 feet above high-water.
- 2522. "CHIMNEY 1944". Station is a white stone chimney on white shingled bungalow with green roof. Five windows on south side and screened in porch facing water. Located on Flye Point on western shore of Blue Hill Bay and northern shore of Herrick Bay. Recoverable photo (topographic) station.
- 2523. Brick chimney on unpainted, shingled house.
- 2524. 20 foot evergreen with top cut off.
- 2525. 45 foot evergreen.
- 2526. Large white boulder very close to bank.
- 2527. 30 foot, bushy evergreen.
- 2528. 30 foot evergreen.
- 2529. 25 foot evergreen.
- 2530. White boulder on beach with sharp top. 2 feet above high-water.

- 2531. "CHIMNEY 1944". Station is a stone chimney on tar paper covered summer cottage located on the western shore of Blue Hill Bay in the vicinity of Herriman Point. Recoverable photo (topographic) station. fm 524
- 2532. Very large boulder. 2 feet above high-water.
- 2533. Black boulder on ledge.
- 2534. 20 foot evergreen
- 2535. 20 foot evergreen on point
- 2536. Northerly evergreen on point
- 2537. 4 hardwood trees.
- 2538. White boulder.
- 2539. 25 foot evergreen
- 2540. Large boulder. 2' above high-water. (Field inspection photograph No. 1622 shows this boulder as 3 feet above mean high water.)
- 2541. East gable of unpainted shack.
- 2542. Chimney on whiteclapboard house with dormer on side facing water.
- 2543. 50 foot evergreen.
- 2562. White brick chimney on white weatherboard, $1\frac{1}{2}$ story house with green shutters.
- 2563. White boulder $1\frac{1}{2}$ feet above mean high-water.
- 2564. $2\frac{1}{2}$ foot white boulder at mean high-water line.
- 2565. 15 foot evergreen.
- 2566. 50 foot evergreen, 14" diameter.
- 2567. 15 foot evergreen. (base blazed).
- 2568. "CHIMNEY 1944". Station is a brick chimney on a $1\frac{1}{2}$ story, white weatherboard house with dark asphalt shingles. Small dormer on north side of house. Located approximately 200 meters south of Allen Cove. Recoverable photo (topographic) station. r
- 2569. 5 foot boulder, 2 meters outside mean high-water line.

- 2570. 3 foot boulder (southerly of 2) 5 meters off mean high-water line.
- 2571. 30 foot evergreen.
- 2572. East gable of 2 story brown shingled house. 8 large windows in east side. Small double window under gable.
- 2573. Center of top of large oblong boulder above high-water line.
- 2574. 12 foot evergreen.
- 2575. Center of boulder bare $1\frac{1}{2}'$ at mean high-water.
- 2576. 20 foot evergreen on bank.
- 2577. 15 foot overhanging evergreen.

"BRID" Station is located on the northern side of Eggmogging Reach, about 4 miles southeast of the Deer Isle-Sedgwick Suspension Bridge, about $\frac{1}{2}$ mile SE of the mouth of the Benjamin River, on top of Bridges Point, about 110 meters from the end of the point, and in open grass area. Station mark is a standard disc stamped "Brid 1944" cemented in a drill hole of a ragged top boulder which projects about 1 foot above the ground. Mark is about $1\frac{1}{2}$ feet north of highest part. Station is 24.0 meters south-east of largest boulder in immediate vicinity which is about 3' high. Theodolite station. fm 524

"BEACON, CENTRE HARBOR LEDGE". Station is a spherical cage on a black iron spindle located in Centre Harbor about 150 meters north of Chatto Island. Recoverable photo (topographic) station. "

"BENCH MARK A (1876)" Bench Mark A is the base of triangle formed by three holes drilled in face of prominent rock near the most southerly point of Chatto Island. Elevation: 2146 feet above mean low water; 4.41 feet above half tide level; 0.64 foot below mean high water. (Mark is $7\frac{1}{2}$ m. south of tree on point. This mark is not the most prominent rock. There are numerous other large boulders in vicinity. Mark is in pink granite boulder which is 7' across the side facing water.), Recoverable photo (topographic) station. "

"BENCH MARK 1, (1879)". Bench Mark is a $\frac{3}{4}$ inch hole filled with lead inside 7" circle cut in flat granite rock at inner angle of ledge and boulder foundation of old wharf. New wharf is built of lumber on cribbing on inner end of old foundation. About 1360 meters west of NW point of Herriman Point, about 1300 meters east southeast of road intersection at North Brooklin and near northerly of 2 wharves on cribbing. B.M. can be recovered easily from half tide to low water. Elevation: 9.13' above mean low water; 4.00 feet above half tide level; 1.13 feet below mean high water. Recoverable photo (topographic) station. "

NOTES
FOR
HYDROGRAPHIC PARTIES
COAST OF MAINE

MAP MANUSCRIPT, SURVEY NO. T-8557

Project No. CS-272

The 2½ 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 appropriate and are for your advance information only. They are shown with long dashed and short dashed black acid ink lines, respectively.

The alternate dot and dash black acid ink line shown around Joyce Point is the definite position of the mean low water line. The dotted line is the approximate position of the mean low water line.

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 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:

All floating aids to navigations

Two rocks awash south of Flye Point

Rock awash southeast of Cape Carter

Two rocks awash in cove between Centre Harbor and High Head.

Halftide Rock, a rock awash south of Flye Point

Herriman Ledge

Note: For location, see sections of Nautical Charts Nos. 307 and 309 attached to this report. These features have been indicated on the sections by 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 the field data and should also be investigated:

Pier in Centre Harbor now in ruins

Many charted ledge areas along the shoreline are shown on the map manuscript as sand, gravel, and boulder, or grass-in-water areas.

Many charted rocks awash and sunken rocks on the western shore of Allen Cove are shown on the map manuscript as gravel and boulders, with a few rocks awash and rocks that bare at mean high water.

Five charted rocks awash between Centre Harbor and High Head are shown as four small islets on the map manuscript.

Charted rocks awash and sunken rocks in the vicinity of Flye Point Ledge are shown as ledge on the map manuscript.

Charted rocks awash on the eastern shore of Allen Cove are shown as ledge on the map manuscript.

Charted marsh area and stream on the eastern shore of Herriman Point is shown as a pond in a grass area on the map manuscript.

Charted point of land in cove on southwestern shore of Flye Point is shown as a sand bar and ledge on the map manuscript.

Charted ledge area in Benjamin River south of Sedgwick is shown as four rocks awash on the map manuscript.

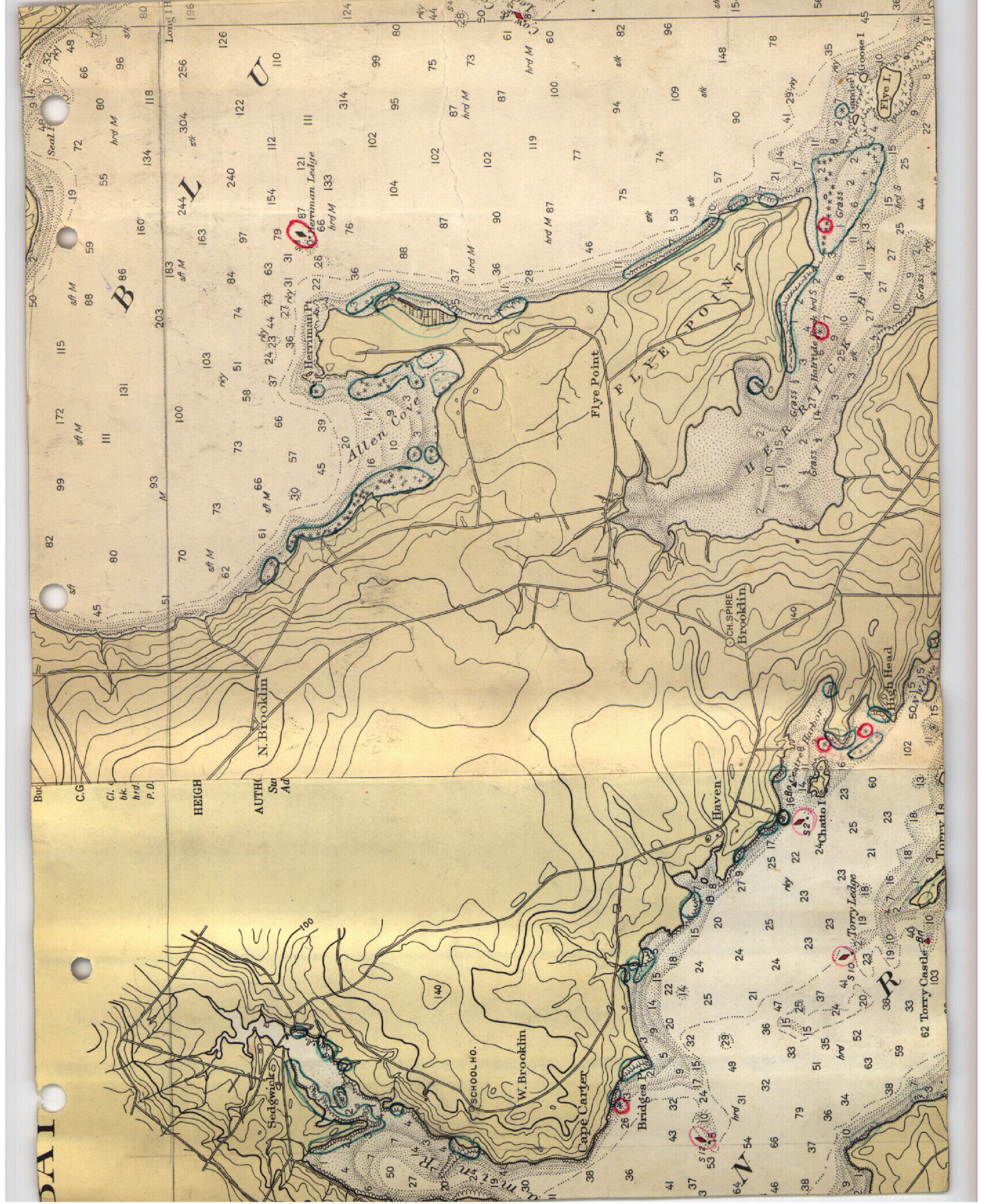
Note: For location, see sections of Nautical Charts Nos. 307 and 309 attached to this report. These features have been indicated on the section by a green ink line around the area in which they fall.

Respectfully submitted:
September 17, 1946

Approved and Forwarded:
30 October 1946

Florence M. Senasack
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P.D

HEIGH

AUTH
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Ad

N. Brooklin

SCHOOL HO.
W. Brooklin

Cape Carter

Bridges

Haven

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Torrey Lodge

62 Torrey Castle

Torrey Is

CH SPIRE
Brooklin

High Head

Flye Point

Flye Point

Allen Cove

Herriman Ledge

Grass I

Grass I

Grass I

Grass I

B

R

Long 111

NAUTICAL CHARTS BRANCH

SURVEY NO. 7-8557

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
6/7/62	Reconst 307	Norfolk Office	Before After Verification and Review
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			Before After Verification and Review
			Before After Verification and Review
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A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.