

8002

Diag'd. on Diag. Ch. No. 1203

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric Air Photographic

Field No. CS-272 Office No. T-8002

LOCALITY

State Maine

General locality St. George River

Locality Tenants Harbor & Vicinity

194 1-'43

CHIEF OF PARTY

F.L. Peacock

LIBRARY & ARCHIVES

DATE May 19, 1949

8002

DATA RECORD

Form T-1

T-8002

Quadrangle (II):

Tenants Harbor (15') U.S.G.S. Maine

Project No. (II): CS-272

Part of Sub-Project No. CS-272-C

Field Office:

Air Photographic Party No. 2
Baltimore, Maryland

Chief of Party:

~~Fred. L. Peacock~~
Henry O. Fortin

Compilation Office:

Air Photographic Party No. 2
Baltimore, Maryland

Chief of Party:

Fred. L. Peacock

Instructions dated (II III):

April 1, 1942 and April 20, 1943

Division of
~~Copy filed in Descriptive~~
~~Report No. T~~ (VI)
Photogrammetry Office Files.

Completed survey received in office: 7 April, 1944

Reported to Nautical Chart Section:

Reviewed: 28 Oct. 1947

Applied to chart No.

Reconstruction
313
322

Date: 8/8/45
3/17/49

Redrafting Completed: May, 1948

Registered: 21 Sept. 1948

Published: July 1948

Compilation Scale: 1:9,700

Published Scale: 1:10000

Scale Factor (III): 1.031

Geographic Datum (III): N. A. 1927

Datum Plane (III): Mean ~~Sea~~ ^{H. W.} Level

Reference Station (III): NORTON ISLAND, 1860 r. 1943

Lat.: 43° 59' 0.616" 19.0 m. Long.: 69° 08' 37.8⁴⁷₃₅" 843.2⁵₂ m. *Adjusted (G.P. 252)*
~~Adjusted~~ *Corrected*
~~Unadjusted~~ to N.A. 1927

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

X =

Y =

Military Grid Zone (VI) —

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
7165	10/20/41	12:23 P.M.	1:10,000	6.8' above M.L.W.
+7166	10/20/41	12:24 P.M.	1:10,000	6.7' above M.L.W.
7223-7226, Incl.	10/21/41	10:25 A.M.	1:10,000	11.3' above M.L.W.
7214-7216, Incl.	10/21/41	10:10 A.M.	1:10,000	11.1' above M.L.W.
7217	10/21/41	10:17 A.M.	1:10,000	11.2' above M.L.W.
7334-7336, Incl.	10/22/41	11:22 A.M.	1:10,000	11.4' above M.L.W.
7337	10/22/41	11:20 A.M.	1:10,000	11.4' above M.L.W.

+ Unmounted. All others metal mounted.

Tide from (III): Tide Tables, Atlantic Ocean; reference station, Portland, Maine, with corrections to Tenants Harbor, Maine.
 Mean Range: 9.3' Spring Range: 10.6'

Camera: (Kind or source) U. S. Coast and Geodetic Survey Nine Lens Camera (focal length $8\frac{1}{2}$ "). All negatives are on file in the Washington Office.

Field Inspection by: date: Season - 1943
 Lieut. Comdr. Henry O. Fortin
 Season's Field Inspection Report previously submitted.
 Field Edit by: date:

Date of Mean High-Water Line Location (III): As of photographs taken on 10/20-21-22/41, supplemented by the Field Inspection Data.

Projection and Grids ruled by (III) JTB - PJH date: 10/29/43

" " " checked by: B.R.C. date: 11/1/43

Overlap checked by: R.M.B. date: 11/2/43

Control plotted by: Donald M. Brant date: 12/3/43

Control checked by: A. L. Goncharsky date: 12/11/43

Radial Plot by: Walter E. Schmidt date: 1/1/44

Detailed by: Carolyn Goldenberg date: Feb. 1, 1944
 (Shore line and interior - rough draft) Mar. 20, 1944

Reviewed in compilation office by: Michael G. Misulia date: March, 1944

Elevations on Field Edit Sheet
 checked by: date:

STATISTICS (III)

Land Area (Sq. Statute Miles): $15\frac{1}{2}$

Shoreline (More than 200 meters to opposite shore): $29\frac{1}{2}$ statute miles

Shoreline (Less than 200 meters to opposite shore): 8 statute miles

Number of Recoverable Topographic Stations established: 19

Number of Temporary Hydrographic Stations located by radial plot: 298

Leveling (to control contours) - miles: None

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:

STATE OF MAINE
PROJECT NO. CS-272
Part of
SUB-PROJECT NO. CS-272-C

REPORT
on the
INDIVIDUAL RADIAL PLOTS
for the areas of
MAP DRAWINGS, SURVEYS NOS.
T-8000 to T-8003 Incl.
T-8007 to T-8011 Incl.
and
T-5625

GENERAL:

The radial plots to be discussed in this report pertain to the area of a block of ten Surveys, the limits and assigned numbers of which, have been shown on a sketch submitted herewith. The centers of the available office and field photographs (nine lens) have also been shown on the sketch with small ink circles accompanied by the photograph numbers.

The greater part of the horizontal control within the area of the Surveys were established by the U. S. Coast & Geodetic Survey. The U. S. Engineers established local schemes of triangulation in the vicinity of Thomaston and Rockland, and the State of Maine under the Civil Works Administration ran a series of traverses establishing marked stations which were also bench marks.

The average scale of the photographs, 1:9,700, was determined from a scale plot laid in accordance with instructions. The Map Drawing Projections, which were furnished by the Washington Office, were constructed and drawn to the average scale of the photographs.

The areas included within the limits of Surveys Nos. T-8000 to T-8003 inclusive, and T-8007 to T-8011 inclusive, were well covered by photography. In the area of Survey No. T-5625, only the eastern portion was covered by photography.

The nine lens, mounted photographs, and the Map Drawing Projections were prepared in the usual manner.

After careful examination of all available data, it was decided to lay individual plots for each of the areas of the previously mentioned Surveys. One of the main reasons for this decision was that the recovery of many of the horizontal control stations was noted as doubtful by the Field Inspection Sub-Party. It is believed that this condition would have caused considerable difficulty in a combined plot.

GENERAL: (cont'd)

No celluloid templets were used, the metal mounted photographs being oriented directly under the Map Drawing Projections.

RESULTS:

In general, the field inspection data pertaining to the identification and recovery of the horizontal control stations were adequate with the following exceptions:

The Field Inspection Point (F.I.P.) "Mos" which the Field Inspection Sub-Party selected to identify the U. S. Coast & Geodetic Survey triangulation station "MOSQUITO HEAD, 1934", was not a well-defined point as it was in a densely wooded area. The F.I.P. could be identified and pricked on only one office photograph, i.e. on the office photograph corresponding to the field photograph upon which both the F.I.P., and the station had been identified and pricked by the Field Inspection Sub-Party. Because of the above condition, the position of the F.I.P. was not plotted on the Map Drawing. The station was "held to" satisfactorily in the radial plot insofar as the one particular photograph was concerned.

The U. S. Coast & Geodetic Survey triangulation station "FALSE WHITEHEAD, 1859, 1934," was identified by the F.I.P. "False". The F.I.P. was not a well-defined point, and could not be identified and pricked on any of the photographs with confidence. The F.I.P. could not be "held to" in the radial plot within 0.3mm. to 0.4mm.

The U. S. Coast & Geodetic Survey triangulation station "RAGGED MOUNTAIN, 1854, 1934", was recovered by the Field Inspection Sub-Party, but was not identified on any of the field photographs during the field inspection. After Lieut. Comdr. H. O. Fortin, who was in charge of the Field Inspection Sub-Party, arrived at the Baltimore Photogrammetric Office, he attempted to identify and prick the photographic position of the station on the office photographs from his field data, but was unsuccessful. The station is located just outside the western detail limit of Map Drawing, Survey No. T-8011. A well-identified horizontal control station was needed in this area, but it is apparent that positive field identification of this station would be difficult.

The U. S. Coast & Geodetic Survey triangulation station "DODGE HOMESTEAD, SOUTH CHIMNEY, 1859", was noted by the Field Inspection Sub-Party as destroyed. It was suggested that the West Chimney of a new dwelling was believed to be almost exactly in the position of the station. The new dwelling was supposed to have been built on the same site as the old homestead. The radial plot proved that the West Chimney was not the station. It is believed according to the radial plot, that the south gable of the new dwelling is very nearly in the same location as the south chimney of the old Dodge Homestead. Since the West Chimney has been recommended by the Field Inspection Sub-Party as a landmark, its position has been determined by radial intersection and Forms Nos. 524 and 567 will be submitted.

RESULTS: (cont'd)

The U. S. Coast & Geodetic Survey triangulation station "INGRAHAM HILL, 1859", was identified by the F.I.P. "ING". The geographic position could not be computed because of insufficient data. Also, the F.I.P. as selected by the Field Inspection Sub-Party was not a well-defined point, and, consequently, could not be seen on any of the office photographs. Therefore, neither the station nor the F.I.P. could be used to control the radial plot.

The radial plots proved that the following twenty-four (24) U.S. Coast & Geodetic Survey intersection stations should be considered lost:

BARN, 1905
*BEALE'S HOUSE CHIMNEY, 1859
CENTER OF DARK BARN ON HILLSIDE, 1860
CROCKET'S (CAPT.) HOUSE, N. E. CHIMNEY, 1859
*DODGE HOMESTEAD, SOUTH CHIMNEY, 1859
INNER NORTH BEACON, 1905
INNER NORTH BEACON, ECCENTRIC, 1905
JAMESON POINT, WHITE HOUSE, CHIMNEY, 1859
*LARGE HOUSE, NORTH CHIMNEY, 1859
LARGE WHITE HOUSE, CENTER OF CHIMNEY, 1860
NORTH BUOY, 1905
OJIER'S, EDWIN, HOUSE, 1860
OUTER NORTH BEACON, 1905
ROCKLAND BAPTIST CHURCH, SPIRE, 1859
ROCKLAND CHURCH CUPOLA, 1859
ROCKLAND CONGREGATIONAL CHURCH, 1859
ROCKLAND STEAM MILL, TALL CHIMNEY, 1860
STONE'S, CAPT. JOHN, BARN, EAST END, 1860
THOMASTON, TALL WHITE SPIRE, 1860
WHITEHEAD ID., HOUSE, EAST CHIMNEY, 1859
WHITE SPIRE, VANE, HEARTS & ARROWS, 1859
WIND, 1911
*HART'S, WIDOW ELLEN, HOUSE, CENTER OF CHIMNEY, 1859
TURKEY CHURCH, 1934 (Church destroyed by fire on May 5, 1939)

*The positions of these horizontal control stations have been shown on the Map Drawings with a dashed triangulation symbol to indicate that the stations were used (with due caution) as supplementary control for the radial plots but should be considered lost. Such stations were identified by old chimney sites, etc., the original objects having been destroyed.

The radial plot for the area of Map Drawing, Survey No. T-8003 could not be fully completed because the Field Inspection Sub-Party of 1943 failed to establish additional necessary control in the area known as Metinic Island. It is planned to obtain the necessary additional control early in the 1944 field season. The plot will then be completed; and a supplemental report submitted.

The radial plot in the western portion of Map Drawing, Survey No. T-5625 could not be completed, because of an inadequate number of photo-

RESULTS: (cont'd)

graphs, and horizontal control stations. However, the radial plot in the eastern portion of the Map Drawing was completed.

It was necessary to compute the angle of tilt for only one photograph, No. 7152. The angle of tilt for this photograph was found to be $3^{\circ} 36'$. The position of the iso-center was determined and used as the chief ray center for all radials.

All of the horizontal control stations were "held to" satisfactorily in the individual radial plots except those previously discussed in other paragraphs of this report.

The positions of secondary points which were previously established by radial plots laid for the areas of Map Drawings to the west of Longitude $69^{\circ} 15'$, and which were common to Map Drawings, Surveys Nos. T-5625 and T-8000 to T-8003 Inclusive, were satisfactorily resected.

The positions of the secondary points, and photograph centers (principal points) determined by radial intersection, and resection respectively, by the individual radial plots are believed to be within the limits of satisfactory accuracy. The small double blue ink circles shown on the glossy side of the Map Drawings, indicate the positions of secondary control points considered relatively strong, while the small double green ink circles indicate relatively weak positions of such points. The positions of the photograph centers have been shown on the glossy side of the Map Drawings with large blue ink circles which are accompanied by the photograph numbers.

REMARKS:

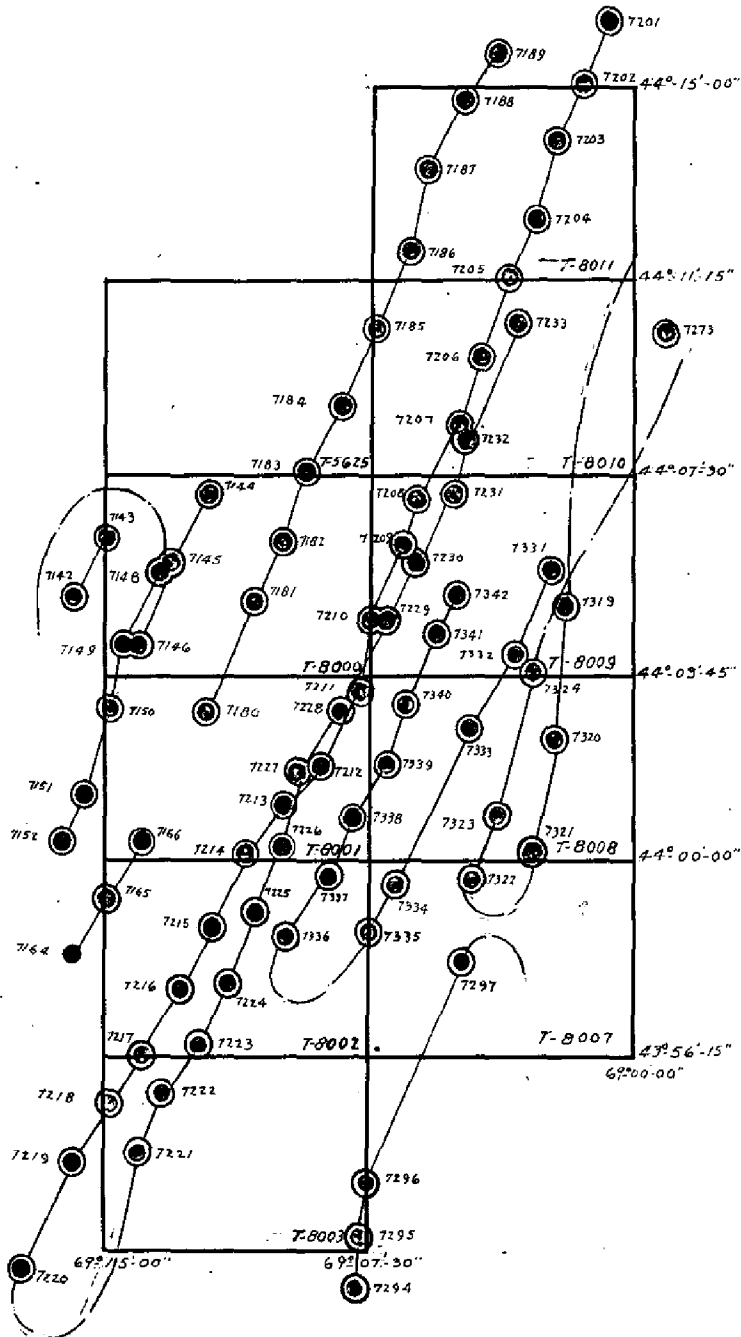
The U. S. Engineers local grid in the vicinity of Rockland was drawn on the Map Drawing Projections by the Washington Office. The U. S. Engineers local grids in the vicinity of Thomaston and Camden were drawn on the Map Drawing Projections by this Compilation Office. Because of the graphic method used in determining the position of the two latter grids on the Map Drawings, it is possible that an error of not more than 0.3mm. to 0.4mm. may exist.

Where the note "not used" accompanies the name of a horizontal control station as shown on the Map Drawings, it indicates that the station was not used to control the radial plots because the field inspection data were inadequate, because there was no recovery, or because the stations could not be identified on any of the office photographs.

Respectfully submitted,
February 22, 1944

Walter E. Schmidt
Walter E. Schmidt
Asst. Photogrammetric Engineer

Part of Sub-project No. C 5 727 2C



Field Photographs on hand

LAYOUT - SKETCH

No Scale

26 CONTROL:

There are 13 U. S. Coast and Geodetic Survey Triangulation Stations shown on the Map Drawing, one of which has been identified by a Field Inspection Point. The positions of all the stations have been plotted from geographic coordinates and shown with the triangulation symbol, while the position of the F.I.P. which has been plotted from geographic coordinates computed from data furnished by the Field Inspection Sub-Party, has been shown with a small square drawn in black acid ink.

The following five U. S. Coast and Geodetic Survey triangulation stations lie within the detail limits of the Map Drawing:

- FOUNDATION HILL, 1863, no recovery in 1943 (not used)
- ✓ TENANTS HARBOR CHURCH No. 2, 1934, r. 1943
- ✓ *TENANTS HARBOR LIGHTHOUSE, 1859, 1934, r. 1943
- HART'S, WIDOW ELLEN, HOUSE, CENTER OF CHIMNEY, 1859, partial recovery in 1943 (old foundation) *Do not show.*
- ✓ NORTON ISLAND, 1860, r. 1943

- * Lighthouse is abandoned. Structure still exists and is a charted landmark.

The following eight U. S. Coast and Geodetic Survey triangulation stations lie outside the detail limits of the Map Drawing:

- FALSE WHITEHEAD, 1859, 1934, r. 1943 (F.I.P. "False") (not used)
- LARGE HOUSE NORTH CHIMNEY, 1859 (partial recovery in 1943. Used to control the radial plot. However, the station should be considered lost. Shown on the Map Drawing with a dashed triangle.)
- ✓ YELLOW RIDGE SPINDLE, 1934, r. 1943
- ✓ *WHITEHEAD LIGHTHOUSE, 1859, 1934, r. 1943 (*on pub. map*)
- MOSQUITO HEAD, 1934, r. 1943
- RIVER'S HOUSE, NORTH CHIMNEY, 1860, r. 1943
- NARROWS, 1863, no recovery in 1943
- TEAL'S, ADAM, HOUSE, CENTER OF CHIMNEY, 1863, r. 1943

- * Lighthouse is a charted landmark.

27 RADIAL PLOT:

The facts concerning the individual radial plots laid for the areas of Map Drawings Surveys Nos. T-5625, T-8000 to T-8003, inclusive, and T-8007 to T-8011, inclusive, have been fully brought out in the appendix submitted herein.

28 DETAILING:

Map Drawing Survey No. T-8002 has been compiled in accordance with instructions. The topographic features, etc., have been detailed partly from unmounted, and partly from metal mounted nine lens serial photographs, which have been supplemented by the field inspection data. Symbolization is in accordance with the recommended topographic symbols.

The area of the Map Drawing was well covered by photography, the number of photographs being adequate for office detailing. The field inspection data were also adequate unless otherwise mentioned in the following paragraphs. The scales of the photographs and of the Map Drawing were in good agreement. However, it was necessary to detail a few areas by use of the vertical projector.

The shore line within the area of the Survey is very rocky. The interior consists mainly of dense wooded areas in which spruce, fir, hemlock, oak, maple, elm, birch, and beech trees are the most numerous. There are also a few cultivated farm lands and a few villages. None of the villages could be considered congested urban districts, i.e., one square mile or more in area.

Relatively strong radially plotted positions of tertiary points, etc., have been shown on the glossy side of the Map Drawing with small single blue ink circles, while the relatively weak positions of such points have been shown with small single green ink circles.

Because of congested detail, it was necessary to use an overlay sheet to show the approximate limits and approximate heights of rock bluffs bordering the inshore side of the Mean High-Water Line. All other notes pertinent to the compilation have been shown on the Map Drawing, except the descriptions of the temporary hydrographic stations, and the names and descriptions of the Recoverable Topographic Stations, further details of which are to be fully brought out under side heading No. 35.

All roads, except trails, are to be considered 0.6 mm. in width, unless otherwise shown on the Map Drawing. Trails have been shown with dashed light-weight black acid ink lines accompanied by the note "Trail".

The approximate areas in which two wrecks are believed to be situated, but the images of which were not visible on any of the photographs, have been detailed in accordance with the field inspection data, and outlined on the Map Drawing with dashed light-weight black acid ink lines accompanied by explanatory notes.

All public buildings, the images of which were visible on the photographs, and the existence of which was verified by the Field Inspection Sub-Party, have been shown on the Map Drawing accompanied by pertinent notes or indicated by conventional symbols. All other private buildings, except small outbuildings, the images of which were visible on the photographs, have also been shown on the Map Drawing.

See Revised
Report

28 DETAILING: (Cont'd.)

For the most part, the field inspection data pertaining to the drainage within the area of the Survey were inadequate. It was, therefore, necessary to determine the location of most of the drainage as shown on the Map Drawing by stereoscopy.

A list of abbreviations accompanied by explanatory notes has been shown just outside the eastern detail limits of the Map Drawing.

30 MEAN HIGH-WATER LINE:

The Mean High-Water Line (firm ground), where definitely identified by the Field Inspection Sub-Party, has been shown on the Map Drawing with a full heavy-weight black acid ink line, the center of which is considered by this Compilation Office to be the true position. In areas where the Field Inspection Sub-Party did not definitely identify the Mean High-Water Line, a dashed heavy-weight black acid ink line has been shown on the Map Drawing accompanied by explanatory notes. It is recommended that the operating hydrographic party either verify or correct that portion of the Mean High-Water Line shown by a dashed heavy-weight black acid ink line.

The outer limits of marsh areas bordering the Mean High-Water Line have been shown with full light-weight black acid ink lines. The included areas have been shown with the conventional marsh symbol. Fringes of grass-in-water bordering the Mean High-Water Line have also been shown. Since the light-weight line just mentioned only indicates the outer limits of low wet land visible on the photographs, it is not to be accepted as the position of the Mean High-Water.

The approximate outer limits of rock ledge bordering the Mean High-Water Line have been shown by the conventional rock ledge symbol. It is recommended that the position of such limits be either verified or corrected by the operating hydrographic party.

31 LOW-WATER AND SHOAL LINES:

The outer approximate limits of shoal and mud areas have been detailed in accordance with the field inspection data, and shown on the Map Drawing with dashed light-weight and dotted black acid lines respectively, accompanied by descriptive notes. Such approximate limits are not the position of the Mean Low-Water Line, but have been shown for use of the operating hydrographic party only.

32 DETAILS OFFSHORE FROM THE HIGH-WATER LINE:

The offshore features shown within the detail limits of the Map Drawing consist of rocks, reefs, fish traps, and a bell buoy. The existence of such

32 DETAILS OFFSHORE FROM THE HIGH-WATER LINE: (Cont'd.)

features as shown was verified by the Field Inspection Sub-Party. The images of a few of the existing offshore features were not visible on any of the photographs. In such cases the approximate limits of the areas in which the features were believed to be situated, as indicated by the Field Inspection Sub-Party, were outlined on the Map Drawing with dashed light-weight black acid ink lines accompanied by explanatory notes. It is recommended that the hydrographic party determine the positions of the offshore features which are believed to be within the outlined areas. The extent to which the offshore rocks and reefs bare at Mean Low-Water or Mean High-Water has been shown by notes lettered on the Map Drawing.

33 WHARVES AND SHORE LINE STRUCTURES:

All wharves, retaining walls, and all other shore line structures, the existence of which has been verified by the Field Inspection Sub-Party, and the images of which were visible on the photographs, have been detailed and shown on the Map Drawing with the conventional symbols accompanied by pertinent notes.

34 LANDMARKS, FIXED AIDS TO NAVIGATION, AND AERONAUTICAL AIDS:

A new landmark, "SPIRE", Ridge Church, Second Baptist, which is one mile northwest of Martinsville, was recommended by the Field Inspection Sub-Party. The Ridge Church occupies the same site formerly occupied by Turkey Church, Second Baptist, which was destroyed by fire on May 5, 1939. The position of the spire on the new church, which was dedicated on August 24, 1941, was determined by the radial plot, and shown on the Map Drawing with a $2\frac{1}{2}$ mm. black acid ink circle accompanied by the name of the landmark and the notes "landmark" and "Recoverable Topographic Station". Form 567 has been submitted. *Ch. Letter No. 262 (1944)*

Since the image of the recommended landmark No. 2609 - "Lookout Tower, Coast Guard, Steel", could be seen in the wing of only one photograph, its position could not be determined by the radial plot. All data pertaining to this landmark, except the position, have been submitted on Form 524. It is recommended that the operating hydrographic party determine the position and record the data on the submitted Form 524 and also on Form 567. *Not yet done (Sept. 1948)*

Two previously charted landmarks, the existence of which was verified by the Field Inspection Sub-Party, appear within the detail limits of the Map Drawing. Since their positions have been previously determined by triangulation by the Bureau, no Form 567 has been submitted. The names of such triangulation stations as lettered on the Map Drawing, and listed herein under side heading No. 26, are accompanied by the note "landmark".

34 LANDMARKS, FIXED AIDS TO NAVIGATION, AND AERONAUTICAL AIDS: (Cont'd.)

Two towers, one on the western side of Norton Island, and the other on the eastern side of a small island lying between Whitehead and Norton Islands, have been recommended for deletion by the Field Inspection Sub-Party. Form 567 (deletion) has been submitted. *Ch. Letter No. 262 (1944)*

There were no aeronautical aids or new fixed aids to navigation recommended for the area of the Map Drawing by the Field Inspection Sub-Party.

35 HYDROGRAPHIC CONTROL:

Shown within the detail limits of the Map Drawing are 317 hydrographic ^{control} stations. Of these, 19 are Recoverable Topographic Stations, while the remaining 298 are temporary hydrographic stations. The positions of all the stations have been determined by radial intersection, and shown on the Map Drawing with $2\frac{1}{2}$ mm. black acid ink circles.

The numbers of the Recoverable Topographic Stations accompanied by the note "Recoverable Topographic Station", and the numbers of the temporary hydrographic stations have been lettered on the Map Drawing. The numbers, names, and descriptions of the Recoverable Topographic Stations and the numbers and descriptions of the temporary hydrographic stations have been compiled in a list and submitted herein.

Form 524 has been submitted for each of the following 19 Recoverable Topographic Stations:

No.	Name
✓ 1129	S.E. Gable of Yellow house
✓ None	Tidal Bench Mark 5 (1910), Tenants Harbor.
✓ 873	Mile
✓ None	Spire, Ridge Church, Second Baptist
✓ 2203	Deep
✓ 2628	E. Gable of Barn
✓ 2320	S. Gable, brown house, white trim
✓ 2306	W. Gable, of gray two-story house
✓ 2297	N.W. Gable, dark shingle house
✓ 2241	N.E. Gable, gray house
✓ 2222	Chimney, on largest house
✓ 2167	Chimney, on brown one story house
✓ 2103	E. Gable, gray two story house
✓ 1582	W. Gable, gray barn
✓ 937	E. Gable, small unpainted building
✓ 926	N. Gable, yellow white trimmed house
✓ 893	W. Gable, brown house
✓ 4487	Center of crosspiece, two telephone poles, west
✓ 4488	Center of crosspiece, two telephone poles, east
	<i>Tel. Poles</i>

37 GEOGRAPHIC NAMES:

814 ✓
No investigation of the geographic names within the area of the Map Drawing was submitted by the Field Inspection Sub-Party. The geographic names shown on the Map Drawing are in accordance with those appearing on the available nautical charts and on the U. S. Geological Quadrangle "Tenants Harbor". The names as shown have been alphabetically compiled in two lists, disputed and undisputed, and submitted herein.

38 JUNCTIONS:

The junction of shore line and interior detailed planimetry, with Map Drawing Survey No. T-8003 to the south, is in agreement.

The junction of the shore line, with Map Drawing Survey No. T-8001 to the north, is in agreement. The compilation of the interior detail for Map Drawing Survey No. T-8001 has not been completed. Therefore, the junction of such detail between the two Map Drawings will be discussed in the Descriptive Report of Map Drawing Survey No. T-8001 to be submitted upon completion of the compilation.

The junction of the shore line and interior detailed planimetry with Map Drawing Survey No. T-5622, to the west, is in agreement except for a trail which has not been shown on Map Drawing Survey No. T-5622. There were no field inspection data furnished for the trail on any of the photographs. It is recommended that the Washington Office complete the detail of the trail on Map Drawing Survey No. T-5622 as shown on Map Drawing Survey No. T-8002 in black acid ink, the approximate area being outlined in red acid ink accompanied by an explanatory note. OK

The compilation of Map Drawing Survey No. T-8007, which is to the east, has not been completed at this date. The junction of the two Map Drawings will be discussed in the Descriptive Report of Map Drawing Survey No. T-8007 to be submitted upon completion of the compilation. OK

39 RECOMMENDATIONS FOR FUTURE SURVEYS:

The compilation is believed to be complete in all details of importance, and no other surveys are recommended, except in the areas where the position of the Mean High-Water Line could not be accurately determined, as mentioned under side heading No. 30. In some areas of the Map Drawing a few topographic features were interpreted by this Compilation Office because of insufficient field inspection data. The detail of such features is accompanied by the note "Believed to be trail", etc. It is recommended that such detail be verified or corrected by future Field Sub-Parties.

Other recommendations have been previously discussed in this report.

The relative positions of tertiary points and of well-defined objects are believed to be within the limits of satisfactory accuracy.

40 TELEPHONE LINES:

A telephone line has been detailed in accordance with the field inspection data, and shown on the Map Drawing with the conventional symbol.

41 CABLE CROSSING:

A cable crossing between Norton and Rackliff Islands has been detailed in accordance with the field inspection data, and shown on the Map Drawing with the conventional symbol accompanied by a descriptive note. A cable crossing area between Norton Island and Rackliff Island has been detailed from Chart No. 312 and shown on the Map Drawing with the conventional symbol accompanied by a descriptive note. No field inspection data were furnished for the latter. The position of the former cable crossing differs from the position of the latter. It is believed by this Compilation Office that either the position of the charted cable crossing is in error or the cable has been relocated in recent years to the position as indicated by the Field Inspection Sub-Party.

Deleted from manuscript

The portion of a cable crossing area between Whitehead and Two Bush Islands appearing within the area of the survey has been detailed from Chart No. 312 and shown on the Map Drawing with the conventional symbol accompanied by a descriptive note. The remaining portion of this cable crossing area will be shown on Map Drawing Survey No. T-8007. All cable crossings mentioned above are submerged. An overhead cable crossing is to be discussed under side heading No. 44.

Deleted from manuscript

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

U.S.G.S.

Tenants Harbor Quadrangle (15') Maine, Edition of 1906, reprinted 1939, scale 1:62,500.

Because of the large difference in scale between the Map Drawing and the above mentioned Quadrangle, comparison of small planimetric details could not be readily made. The following differences, however, were apparent:

* A dam at approximately Latitude $43^{\circ} 58' 25''$ and Longitude $69^{\circ} 12'$, as shown on the Map Drawing, does not appear on the Quadrangle.

* Numerous quarries, gravel pits, and a telephone line, as shown on the Map Drawing, do not appear on the Quadrangle.

* A road on the southern part of Clark Island, as appears on the Quadrangle, has not been shown on the Map Drawing since it was not visible on any of the photographs.

* A double full line road at approximately Latitude $43^{\circ} 59' 50''$ and Longitude $69^{\circ} 12' 30''$, as appears on the Quadrangle has been detailed as a trail on the Map Drawing in accordance with the field inspection data.

* An overhead cable crossing as shown on the Map Drawing between Norton Island and a small island to the east, does not appear on the quadrangle.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES: (Cont'd.)

* A stone dike as shown on the Map Drawing in the vicinity of Hawthorn Point does not appear on the Quadrangle.

* These differences also pertain to Chart No. 312 which will be discussed under side heading No. 45.

45 COMPARISON WITH NAUTICAL CHARTS:

Chart No. 312 published May 1943, corrected to August 24, 1943, Washington, D. C., scale 1:40,000.

Planimetry common to both is in fair agreement with the following exceptions:

No buildings have been shown on the Chart.

The approximate positions of the areas in which two wrecks are believed to be situated have been outlined and shown on the Map Drawing with dashed light-weight black acid ink lines accompanied by explanatory notes. The wrecks do not appear on the Chart. One is just north of the Spectacles, while the other is at approximately Latitude $42^{\circ} 59' 15''$ and Longitude $69^{\circ} 11' 30''$. *See Review Report*

Numerous offshore rocks, as appear on the Chart, have not been shown on the Map Drawing, as their images were not visible on any photographs.

Disagreements in the location of cable crossing areas have been previously discussed under side heading No. 41.

* Other differences pertaining to the chart and the Map Drawing have been discussed under side heading No. 44. These differences have been indicated by asterisks.

Respectfully submitted,
April 1, 1944

Carlyn Goldenberg
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Photogrammetric Aid

Compilation and Descriptive
Report Reviewed by:

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Approved and Forwarded,
April 7, 1944

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Chief, Air Photographic Party No. 2

COAST OF MAINE
Survey No. T-8002
PROJECT No. CS-272
Part of Sub-Project No. CS-272-C

List of the numbers, names, and descriptions of
the Recoverable Topographic Stations, and the
numbers and descriptions of the temporary hydrographic
stations within the area of Map Drawing Survey
No. T-8002.

Number of Recoverable Topographic Stations	19
Number of temporary hydrographic stations	298
Total number of stations	<u>317</u>

Listed By:

Carlyn Goldenberg
Carlyn Goldenberg

Checked By:

Michael G. Misulia
Michael G. Misulia

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Listed By: Carlyn Goldenberg
Carlyn Goldenberg

Checked By: Michael G. Wisulka
Michael G. Wisulka

T-8002

- No.
- 869 Hole in top of rounding sloping ledge, north side of rounding point. Hole in center of cross in rock.
- 870 Low bushy 6-inch tree on top of rocks south side of point.
- 871 10' out from vegetation line on light-colored rock. West of cove, east of small gravel beach.
- 872 Center of patch of brush on small rock island.
- 873 ~~"File" - Southerly of two high water rocks. Recoverable Topographic Station.~~ MILE, 1943 (d)
(d)
- 874 Group of 5 one-foot boulders on point on sand. Large boulder to northwest.
- 875 Point of grass line at high water north side of entrance to cove.
- 876 Brush line inshore from pointed spit. West side of rounding point.
- 877 Point at brush line, just out from juniper patch.
- 878 Top of rock at edge of brush on east side of entrance to river, lone 10' tree to southeast.
- 879 Small rocks at outer point in grass.
- 880 Top center of point of rocks. Grass on top of rocks.
- 881 Top of rock at brown patch of moss. Over-turned tree to north.
- 882 4' round offshore boulder on point. Small scattered rocks inshore.
- 883 Brown gray top flat rock east of point.
- 884 10' bushy tree on bank, double birch tree to west.
- 885 East gable of gray shingled house. Chimney toward west end.
- 886 Top center of outer square-shaped rock on point southwest of small cove. House to south on top of rocks.
- 887 Face of cliff of rounding point. Large pointed rock on side of hill pointing west to the north of rounding point.
- 888 Edge of grass on rock point. Point heading north.
- 889 Large offshore boulder. Dead tree on side of cliff. Just inshore.

No.

- 890 Top of black offshore rock.
- 891 Base 25' white flagpole. Large brown two-story house inshore. Wooden pier outboard.
- 893 (d) "W. Gable Brown House", Green roof, white windows; 3 windows on west side. House on hill in clearing. (Recoverable Topographic Station). © 1943 (d)
- 894 Black offshore rock 4' off point of black rocks.
- 895 Knob on black offshore rock. White streaked offshore rock to west.
- 896 Pointed black offshore rock, 25' off rounding point, white rock on point to southeast of offshore rock.
- 897 Northwest corner of stone pier, grass growing on top.
- 898 Top of black rock with face. North of rounding point.
- 899 Point of edge of grass line inshore from rocky point, 15' northwest of spruce tree.
- 900 Edge of grass line on rock point, on west end of Island.
- 901 Point at edge of brush line. South end of Island.
- 913 Point where grass line meets edge of granite dump on south edge of cove at its head.
- 914 Top of ledge at grass line.
- 915 Top of large boulder on east side of narrow entrance to cove.
- 916 Tip of brush on ledge. Dead spruce to E'ward and lone 40' spruce to N'ward.
- 917 Tip of brush. Marsh to northwest.
- ~~918 Most Silly tree. In group of tall spruces, most Silly tree is a juniper tree.~~
- 922 South corner of remains of old stone pier.
- 923 Highest part of ledge north of crevice.
- 924 Top of large oblong rock leaning against 10' gray ledge. (10' high).
- 925 Highest part of conical shaped brown ledge at north end of white-topped ledge.

- No. [©]
- 926 (d) "N. Gable Yellow, White-Trimmed House", $1\frac{1}{2}$ story, with two brick chimneys. There is a dormer on the north side, east of the gable, [©] and two dormers on the west side; located on the southwest end of the cove, and just east of State Highway No. 131. (Recoverable Topographic Station) 1943(d)
- 927 Southeast gable of white shingled building 8 meters northwest of retaining wall. 1943(d)
- 928 Northeast corner of small wooden pier.
- 929 Top center of large brown boulder near middle of entrance to cove on north side of Tenants Harbor.
- 930 West gable of small fish house with pier on west end.
- 931 South gable of white cottage on point, green roof. Small round chimney on shed to west.
- 932 Large round brown boulder with white flat top. Brown boulder to southwest.
- 933 White granite boulder, 1 meter east of abrupt rise of 5' bank. There is another white boulder 3 meters east of the station.
- 934 Large lone brown boulder 20 meters from High-Water Line.
- 935 Top of black jagged rock on east side of cove.
- 936 Northeast corner of earth pier with log cribbing around it.
- 937 [©](d) "E. Gable Small Unpainted Building", between dwelling and chicken house, with ventilators on top. Located on the southwest side of the small cove of Tenants Harbor, and on the east side of State Highway No. 131. (Recoverable Topographic Station). [©] 1943(d)
- 938 40' (base) lone spruce.
- 939 Point where ditch meets brush.
- 940 15' lone blue spruce at edge of tall brush.
- 941 Round brown boulder 4 meters from treeline and 2 meters south of line of rocks, [←] Boulder is at Mean High-Water Line. running to tree line.
- 1126 Outer of grass patch on end of long narrow point.
- 1127 W. gable of $1\frac{1}{2}$ story white house with 3 windows in west end.
- 1128 South gable of unpainted boat house east of pier.
- 1129 (d) "S.E. Gable Yellow House". The station is the southeast gable of a yellow house with a shingled roof, just south of the highway leading to Port Clyde, in village of Martinsville. (Recoverable Topographic Station). [©] 1943(d)

- No.
- 1564 Tip of whale-back rock at High-Water Line. It has large crack in middle pointing northwest.
- 1565 Small rounding ledge off ledge point which is east of another ledge point.
- 1566 35' spruce with birch tree beside it.
- 1567 Top center of rounding white ledge on point.
- 1568 Top of pointed rocks south of rocks awash. 200 meters offshore.
- 1569 Top of 3' rock southeast of large boulder on point.
- 1570 Rock off point.
- 1571 Forked 30' birch opposite sand bar.
- 1572 2' rock at edge of weeds.
- 1573 Top center of flat ledge north of grass point.
- 1574 25' deciduous tree with a crook in it half way up.
- 1575 Two birches together on point.
- 1576 Tip of grass on south side break in grass.
- 1577 45' birch in bight.
- 1578 Small 8' tree west of large trees.
- 1579 Top pointed rock which is on top of jagged ledge.
- 1580 7' spotted rock to north off grass patch.
- 1581 Highest offshore rock.
- 1582 (d) "W. Gab. Gray Barn" - House is connected on southend; just on west side road and about 90 meters northeast from the head of a small cove; on east side of Watts Cove. (Recoverable Topographic Station). © 1943(d)
- 1583 Tip of Grass on point.
- 1779 Tip of neck of grass on most northerly side of point.
- 1778 Chimney of small house.
- 1780 Top of rounding ledge northwest of small tree.
- 1781 Tip of grass behind dark gray rock with white streak in it.

- No.
- 1782 White 3' boulder east of ledges on point.
- 1783 Top center of whale back rock 25 meters offshore.
- 1784 4' boulder between two ledge points.
- 1785 West tip of ledge at head of bight.
- 1786 Tip of rock which runs up into grass on point.
- 1787 Cupola of gray two-story barn.
- 1788 Top center rounding ledge point with bushes in back of it.
- 1789 Top 5' boulders 4 meters from neck of grass.
- 1790 Pointed rock 20 m. offshore southwest^{of} group of birches.
- 2069 South tip of clumps of brush on small point southwest of a long sand and gravel beach.
- 2070 10' lone spruce in field.
- 2071 East gable of shack in cove south of hay field.
- 2072 South gable of red boat house on inshore end of stone pier.
- 2073 South tip of brush in bight. The brush is west of small marine railway.
- 2074 West corner of stone pier with pole in center.
- 2097 7' spruce in east corner of field on grass line.
- 2098 Westerly of two 3' spruces east of another 3' spruce - another group to southwest.
- 2099 South tip of vegetation east of ledge which runs back in grass at top of sloping ledge.
- 2100 Top of jagged loose 10' ledge.
- 2101 35' spruce 10 meters north of crevice. It is growing out of ledge at grass line.
- 2102 Southwest tip of long ledge connected to shore in center.
- 2103 (d) "East Gable of Gray Two-Story House" T-shaped house; north of a three-story gray house and south of red building, just on the southwest side of Harts Neck. (Recoverable Topographic Station). © 1943 (d)

No.

- 2104 4' white rock on ledge at grass line, north of crevice on point.
- 2161 Knob on north end of small Island. A low place in ledge is just south of knob.
- 2162 Tan-colored offshore 7' boulder 50 meters northeast of grass and bushy point.
- 2163 6' gray boulder southeast of medium sized spruce in cove.
- 2164 Brown 4' rock on southeast side of rounding point.
- 2165 8' brown boulder southwest of bushes on rounding point. It is southwest of bight. Between two rocks.
- 2166 South gable of white house with green trim with sun porch, and one window beneath gable on south end. It is nearest of a group to the beach.
- 2167 (d) "Chimney on Brown One-Story House", which has porch on southeast side with red roof; on west side of road just as it comes onto Clark Island. (Recoverable Topographic Station). © 1943 (d)
- 2168 North tip of vegetation on point.
- 2169 Highest part of offshore black ledge northeast of a black one-story cottage and southwest of another black ledge.
- 2170 6' gray boulder south of point and also south of black one-story house.
- 2171 Northeast corner of retaining wall on point.
- 2172 South tip of grass on point, east of bight.
- 2173 7' boulder close to tip of grass on point.
- 2174 Top center of 5' rock on beach on north side of island.
- 2175 North tip of vegetation on east end of island. At High-Water it appears like a tiny island.
- 2176 Tallest gray 6' rock on west side of island.
- 2177 8' gray boulder southwest of two small gray rocks, southwest of Gravel Beach.
- 2178 Top center of south section of ledge 40 meters from grass line. It is long edge with crack in middle.

No.

- 2179 Black 6' boulder on west side of offshore small Island. Boulder has large deep cracks in its west side. This island is south of another ledge island.
- 2180 Saddle back tan-colored 6' boulder on east side of rounding point.
- 2181 5' boulder with moss. It is most W'ly of two on small island at entrance to bay.
- 2182 West corner of stone pier.
- 2183 Knob of rock on point west of 15' spruce.
- 2184 Knob on north end of offshore ledge. Tufts of grass are south and southwest of station. The ledge is northwest and northeast of two others.
- 2185 South tip of grass on old rock pier on point on north side of cove.
- 2186 6' boulder south of 7' boulder and southwest of spruce. It lies in grass and mud.
- 2187 5' gray pointed boulder in mud and west of dead birch. It is close to grass line.
- 2188 Light green 12' pine in brush southeast of dead birch and spruce.
- 2189 Round 5' boulder on point.
- 2190 South tip of 12' boulder south of wooden pier. It is on southeast side of cove.
- 2191 Round white 4' rock south of another. They are on southeast side of a point 50 meters from grass.
- 2192 West gable of gray shingled house with yellow trim on point. Chimney is on north side and flag pole to the west.
- 2602 Highest part of an offshore ledge. It has orange streaks. It is most N.E'ly in group.
- 2603 Tip of long ledge in bight, at High-Water Line. It is east of Gravel Beach.
- 2604 North tip of vegetation on point east of bight.
- 2605 Top center of whale-back ledge east of sand beach.
- 2606 North gable of white boat house, west of gray tank, on rock foundation.
- 2612 50' double spruce at head of bight.

- No.
- 2202 5' round white boulder on gravel beach. A small rock is east of it.
- 2203 "Deep". The mark is a standard bronze topographic disc, stamped "Deep, 1943", cemented in a drill hole in a granite ledge. The station is at the northwest tip of vegetation on small island with shack. (Recoverable Topographic Station). © 1943 (d)
- 2204 South tip of vegetation on ledge on small island.
- 2205 Round 6' boulder on ledge point. ~~XXX~~ Station is 40 meters from brush.
- 2206 Tip of grass behind point of retaining wall.
- 2207 South tip of grass on point. It is just behind a black rectangle painted on ledge.
- 2208 East corner of stone pier.
- 2209 Top center of dome-shaped ledge southwest of grass cove.
- 2210 Northeast gable shack with white door on southeast side.
- 2211 5' black round boulder on sandy point.
- 2212 White 3' rock on edge of grass south of flat top white rock. Both are on grass line.
- 2213 3' white rock in crevice on brown sloping ledge south of a very small bight.
- 2214 Top center of square rock on edge of brown ledge on the southeast point.
- 2215 Top of sloping brown ledge south of crevice.
- 2216 Top center of offshore 8' boulder.
- 2217 Top of 25' boulder off south side of point.
- 2218 Peaked 7' boulder north of long flat ledge.
- 2219 4' cedar on top of pointed ledge in cove.
- 2220 4' brown boulder on brown broken ledge on southeast side of point.
- 2221 5' white boulder in brush west of spruces and gravel beach.
- 2222 "Chimney on Largest House", on Calf Island. It has gray shingles on ground floor and brown clapboards under gable. Southeast section has black tar paper. (Recoverable Topographic Station). © 1943 (d)

No.

- 2223 Tip of ledge on north side of rounding ledge at High-Water Line. It is north of bight and 10 meters from grass line.
- 2224 North tip of grass northeast of gravel beach on Elwell Island.
- 2225 Top center of 10' whale-back ledge on east end of Peninsula. It is beneath pole structure.
- 2226 Top center 5' boulder 50 meters northeast of small group of trees on point.
- 2227 Lone 6' spruce on brush line on rounding point.
- 2228 Brown top 7' boulder 35 meters from grass line. It is off a point north of sand gravel beach.
- 2229 Top of largest boulder (8') off west side of point. Another is just northwest of it.
- 2230 Gray 3' boulder on point southwest of gravel beach. A brown rock is 4 meters to the east.
- 2231 Top of flat ledge sloping down to southeast. It is east of many flat slabs on rocks.
- 2232 Northeast gable of black tar-papered shack. Northeast of sand gravel beach on other side of island.
- 2233 5' light gray boulder 10 meters from brush line and mouth of another on the brush line near point.
- 2234 Top center of offshore brown ledge on west side of Eagle Island. It is whale-back ledge and 40 meters from tree line.
- 2235 North tip of rip rap at High-Water Line.
- 2236 Top center of ledge on south end of Hen Island. It is 20 meters from vegetation.
- 2238 6' gray pointed offshore boulder lying on ledge.
- 2239 6' Gray boulder inside grass hook of land in bay.
- 2240 Northeast corner of stone pier.
- 2241 "N.E. Gable Gray House", with white trim and yellow, copper roof. There is shed on north side; east of it is a larger building. Station is located on south side of a prominent granite tailings dump about 75 meters south of Mean High-Water Line. (Recoverable Topographic Station). ©1943(d)
- 2242 5' white boulder on rounding point. It is on ledge partly surrounded by grass.

No.

- 2243 Brown 5' boulder on point 3 meters from High-Water Line.
- 2244 6' Gray flat boulder in gravel with two small rocks to south and two to the north. Northeast of it is a 12' spruce in grass.
- 2245 2' Gray rock in gravel at grass line between two flat ledges 50 meters apart. 50 meters northwest is another 2' rock.
- 2246 6' round boulder on east side of Island.
- 2247 Highest part of ledge on northwest end of Island. It is dome-shaped.
- ~~2252 Largest knob on flat sloping ledge 3 meters from grass line.~~
- 2253 Black 7' boulder on southeast side of point and south of two spruces and west of gravel beach.
- 2254 5' boulder southwest of gravel beach and 40 meters from brush. It is on north side of rocky point.
- 2255 Top of pointed 6' boulder southeast of a smaller one on southeast end of gravel beach.
- 2269 White pointed 3' rock south of a group of spruces in brush.
- 2270 North tip of vegetation on small Island with birch trees.
- 2271 Pyramid-shaped brown rock on rocky point.
- 2272 Northeasterly of two white 3' rocks on rocky point.
- 2273 Tip of brush on point southwest of a painted rock in bight.
- 2274 Northwest corner of grass on ledge.
- 2275 40' telephone pole in center of channel on ledge.
- 2276 Tip of vegetation in crevice south of dome-shaped ledge.
- 2283 5' round white boulder west of long white ledge, two smaller ones are to the west.
- 2284 Round peaked offshore ledge.
- 2285 Bird house on top of red barn, unpainted shingled roof.
- 2286 Highest part of offshore reef.
- 2287 6' gray blue boulder in field south of gravel beach and north of bushes.
- 2288 Top center of ledge with small 1' rock 1 meter to north.

- No.
- 2294 Highest 3' black rock in center of a group. 25 m. from grass line.
- 2295 Top of gray 4' rock on top of ledge on point. It is 15 meters from grass line and has moss on it. It appears like a knob on the ledge.
- 2296 10' spruces directly inshore from bow of wreck.
- 2297 "Northwest Gable of Dark Shingled House", with red roof. Southwest of two other houses on Island, and on the most southerly part of the Spectacles. (Recoverable Topographic Station). @ 1943 (d)
- 2298 5' Gray boulder on southwest end of Island. A 3' brown smooth rock is northwest of it.
- 2299 East tip of vegetation on Island.
- 2300 7' Boulder on northeast side. 50 meters north of two 5' boulders which are 5 meters apart.
- 2301 Top center of offshore whale-back ledge. It is off north end of High Island.
- 2302 Highest part of offshore ledge. It is off west side of high Island and 140 meters north of another offshore ledge.
- 2303 Top center of offshore ledge between two Islands.
- 2304 Tip of ledge on point on north side of Island.
- 2305 5' Rock on northwest side of Island.
- 2306 "W. Gable Gray, Two-story House", with 2 domer windows on southwest side of Island. It is in field east of sand beach. (Recoverable Topographic Station). @ 1943 (d)
- 2307 Largest 5' boulder on point. It is 20 meters from grass line and 20 meters west of very pointed rock.
- 2308 Top of most S'ly part of offshore ledge in bight.
- 2309 6' Tan colored boulder on High-Water Line. It lies in gray broken rocks on south side of Island.
- 2310 5' black boulder on south side of point.
- 2311 Tip of grass on stone retaining wall.
- 2312 8' peaked offshore rock. All except top is covered with seaweed.
- 2313 5' Boulder on east side of rounding point. It has four small black spots on south side of it.

- No.
- 2314 3' Black rock on south side of long white sloping ledge south of gravel bight. A 4' white round boulder is east of it.
- 2315 Most N'ly of two 8' spruces on small point, 3 meters apart.
- 2316 East corner of stone pier.
- 2317 6' Black potato-shaped boulder.
- 2318 Tip of white ledge at High-Water Line south of shack.
- 2319 Group of 50' spruces on west side of grassy Point. Bushes are to north.
- 2320 "S. Gable Brown House, White Trim", one chimney. It is just southwest of a lobster pond, and just on the east side of State Highway No. 131. (Recoverable Topographic Station). ©(d) 1943
- 2321 5' Boulder on northeast end of sand and gravel beach, and northeast two large spruces.
- 2323 7' Boulder south of flat boulder on rounding point.
- 2322 White 5' boulder on brown ledge southeast of culvert and east of bushy deciduous tree.
- 2341 4' Gray rock south of flat white ledge and southeast of another gray rock. ~~XXX~~ Station is east of a group of bushes.
- 2342 White 5' boulder among rocks west of a spruce. It has vertical stripe of quartz on south side.
- 2343 Tip of white potato-shape ledge northwest of flat top rock.
- 2344 Top center of whale-back offshore ledge, north of 6' boulder and southwest of another whale-back ledge.
- 2345 6' Boulder on south side of gravel point. It has ring bolt in top.
- 2346 Top center of quarry-rock pile.
- 2347 Two birches on ledge point.
- 2359 7' Boulder south of flat ledge on point. A stump is to the west.
- 2360 10' spruce on High ledge point.
- 2361 Largest boulder off point. It is 8' and 2 meters north of 5' boulder.
- 2362 West tip of ledge point. At High-Water Line in bight. Opposite is huge sloping ledge.

- No.
- 2363 Top center of white ledge on point. There is some very small grass patches in top.
- 2364 Top center of ledge with tufts of grass in top. It is on west side of a neck of land.
- 2365 Top center brown-topped ledge off point in cove.
2366 10' brown boulder on W. side of cove. Small rocks are to south.
2367 Tip of grass on point west of it is an eastwest line of bushes.
- 2368 Top center of most N'ly of whale-back ledges.
- 2369 Northeasterly large 5' boulder.
- 2370 10' bushy birch on east side of bight. A 4' blue rock is south of it on the shore.
- 2371 North tip quarry rock at High-Water Line. It is most W'ly of two points of rock.
- 2372 Southeast corner of retaining wall.
- 2373 2' Rock on southwest side of small Island. It is 5 meters from grass line.
- 2374 3' Rock on southeast side of small grass Island. It is west of some other rocks and it lies on a flat sloping ledge.
- 2375 Top center of bare part of offshore dome-shaped reef.
- 2376 Southeast tip of quarry rock at High-Water Line.
- 2377 South tip of reef stretching nearly across the channel.
- 2378 3' brown rock on top of offshore reef.
- 2379 West Gable of gray house with two chimneys. Small sheds to northwest and east of it.
- 2380 Top northwest end of ledge island and south end of Long Cove.
- 2381 Chimney - Gray two-story house with green roof. It is on island which is connected to mainland at Low-Water.
- 2382 Tip of grass at inshore end of long white ledge on point on north side of Tenants Harbor.
- 2383 Southeast corner of stone pier with spruce tree on it.
- 2384 35' flag pole on retaining wall.
- 2385 Southeast corner of wooden dock.

- No.
- 2386 5' Boulder on point. 7 meters from grass line.
- 2387 Sharp pointed brown 5' boulder off small point.
- 2388 North Gable of yellow clapboard cottage. It has red roof and green lattice base. White chimney on back side.
- ~~2388~~
- 2389 Northeast corner of stone pier.
- 2390 North gable of large boat house with huge white door. It is back of gravel beach.
- 2391 5' Black boulder with guano on top, 35 meters from rounding grass line.
- 2392 East corner of pier. It is most E'ly of two piers.
- 2393 7' Boulder on point. 35 meters from grass line.
- 2394 South gable of white boat shed with flag on south gable. On north side is a Marine Railway.
- 2395 5' bushy spruce in bight. A 4' rock is 3 meters north of it and a smaller spruce is northwest of it.
- 2396 Old bell house. East of Light House.
- 2397 4' White boulder 1 meter south of a light brown 4' one. Both are south of dark green low bush. Station is on north side of a small bight.
- 2591 6' boulder on northwest end of point. 70 meters^{N.} of two telephone poles.
- 2592 Top center of largest of two boulders off point. It is a long 15' boulder.
- 2593 Top center of 5' boulder 40 meters southwest of grass line (offshore) and south of sand beach.
- 2594 Top of ledge in channel. It is nearest to Norton Island.
- 2595 Center of 10' Boulder on west side of bight. Largest of two.
- 2596 Top center of black dome-shaped ledge on south end of long ledge.
- 2597 Highest part of flat ledge. The top is black, it is the southeasterly most of a small group of ledges.
- 2599 Top center of whale-back ledge, west of a group of rocks and ledges.
- 4487 "Center of Crosspiece, Two Telephone Poles, West" - Point on ground mid-way between crosspiece top of two 40' poles, carrying telephone wires. Poles are 2.2. meters apart and on east side of Norton Island. (Recoverable Topographic Station).

O(d)

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- No.
- 2613 Center of a group of 15' spruces on point at grass line.
- 2614 Red chimney on red-roofed house on top of hill.
- 2615 S. Gable of red-roofed house with U.S.C.G. sign on south side.
- 2616 Top of south end of long offshore ledge. Signal site is north of crevice.
- 2617 Top of dome-shaped 12' boulder on point. It has brown N-S streak on west side.
- 2618 Top of whale-back ledge in bight. It has large cracks in it and is 20 meters from grass line.
- 2619 White with black specks - 3' rock on east side of field, northeast of group of large spruces.
- 2620 South tip of vegetation on Island.
- 2621 6' lone spruce on point at grass line.
- 2622 Highest part of offshore reef, south of gravel beach.
- 2623 Southwest tip of grass on high ledge point.
- 2625 Top center of gray speckled whale-back ledge on northside of a rounding point.
- 2626 Center of two spruces on rounding point. To the southeast are two more identical spruces.
- 2627 Stone fence at grass line on ledge point.
- 2628 "E. Gable of Barn" - South of gray shingled house on northeast side of Norton Island. (Recoverable Topographic Station). © 1943 (d)
- 2629 6' white boulder in grass at High-Water Line.
- 2630 Northeast corner of wooden pier.
- 2607 12' Gray tank on rock foundation.
- 2610 Top center of dome-shaped ledge. The north end of it is cracked off.
- 2611 Top center of offshore ledge west of flat rock with black face.
- 2624 Top of highest white ledge on north end of a group on south end of Norton Island ledges. Station is beside north-south crack in ledge.

No.

- 1488 ©(d) "Center of Crosspiece, Two Telephone Poles, East" - Point midway between two 40' poles carrying telephone wires. On small island between Whitehead and Norton Island. Poles are 2.2 meters apart. Cross piece on top. (Recoverable Topographic Station). ©1943(d)
- 873 ©(d) "Mile" - The station is a standard bronze disc, stamped "Mile, 1943" cemented in a drill hole in top center of most S'ly of two black High-Water rocks; 1.7 meters from Mean High-Water Line on west side of rock, and 4.0 meters from Mean High-Water Line at south tip of rocks, located at northwest entrance to Otis Cove. (Recoverable Topographic Station). ©1943(d)
- 1910 ©(d) "Tidal Bench Mark No. 5 (1910)" Tenants Harbor, Penobscot Bay Maine. The mark consists of three 3/4" holes drilled in southern face of vertical rock about 4' high, which stands at High-Water Line; 83' northeast of the northeast end of Rawley's Wharf. The three drill holes form a triangle with the vertex up. (The old description describes the vertex down, with a wooden plug placed in a lower hole and top of plug used as index). Elevations: 13.09' above Mean Low-Water; 8.42' above half tide level; 3.75' above Mean High-Water. There is a ring bolt 0.3 meters north of the edge of rock.
- ©1943 (d) "Turkey Church 3", 1943. The station is the top of the tall white spire located on the east end of a white church, which is now called the "Ridge Church, Second Baptist"; about one mile northwest of Martinsville, 120 meters southwest of the Glenmere Road, and facing a side road. (Recoverable Topographic Station and also a landmark). For additional information, see recovery card, Form 526, for triangulation intersection station "TURKEY CHURCH 2", reported destroyed by fire on May 5, 1939.

Tidal BM 7, 1911 (d) ?

GEOGRAPHIC NAMES

(Undisputed)

*Names checked with
Mr. Hecker for any changes
4/11/49 K.H.M.*

- * Bailey Ledge
- ✓ • Calf Island
- ✓ • Clark Cove
- ✓ • Clark Island
- ✓ • Clark Island Ledge
- ✓ • Clark Point
- ✓ • Eagle Island
- ✓ • Elmore (Village)
- ✓ • Elwell Island
- ✓ • Elwell Point
- ✓ • Hen Island
- ✓ • High Island
- ✓ • Long Cove
- ✓ • Long Ledge
- ✓ • Martinsville (Village)
- ✓ • Mosquito Harbor
- ✓ • Northern Island
- ✓ • Norton Island
- ✓ • Norton Island Ledges
- ✓ • Otis Cove
- ✓ • Otis Point
- ✓ • Rackliff Bay
- ✓ • Rackliff Island
- ✓ • Ram Island
- ✓ • St. George River
- ✓ • Seal Harbor
- ✓ • Seavey Ledges
- ✓ • Southern Island
- ✓ • Spectacles
- ✓ • Sprucehead Island
- ✓ • Tenants Harbor (Village)
- ✓ • Tenants Harbor
- ✓ • Watts Cove
- ✓ • Wheeler Bay
- ✓ • Whitehead Island
- ✓ • Tenpound I.
- ✓ • Seavey I. (SSE of Clark I.)

Names on this and
next page preceded by
• are approved.

L. Heck
3/11/47.

(suggest "Tenants
Harbor" as title)

* Not detailed on the Map Drawing because the image of this
feature was not visible on any of the photographs.

- ✓ • Clark Island (village just N. of
Island)
- ✓ • State No. 131
- ✓ • Bailey Pt.
- ✓ • GULF OF MAINE

GEOGRAPHIC NAMES

(Disputed)

~~Hawthorn Point~~
✓ • Longeove • (Village) ✓
✓ • Hart Neck
✓ • Hart Ledge

✓ • Watts Point
~~Long Cove~~
~~Harta Neck~~
~~Harta Ledge~~

Division of Photogrammetry
Review Report of
Planimetric Map Manuscript T-8002

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

26. Control.

Two triangulation stations, listed as lost by the field inspection party, were removed from the map manuscript.

The position of the reference station, Norton Island, was corrected to agree with the position published in the list of geographic positions for Maine. The change is too small to affect the plotted position on the map manuscript.

28. Detailing.

The standard symbol for gravel pits was applied for all gravel pits on the map manuscript.

Rocks and small islands, visible on the photographs, were added at latitude $43^{\circ}59.0'$, longitude $69^{\circ}14.6'$.

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

30. Mean High Water Line.

The original delineation of the mean high water line was in error because of faulty field inspection. For a complete description and analysis, see the review and correspondence in the descriptive report for T-5622. The corrected mean high water line, shown in red on the map manuscript, is in better agreement with the previous topographic survey. Since the tide was approximately two feet higher than MHW at the time the photographs were taken, it was difficult to reliably identify reefs and the extent of the reefs above MHW.

The outer limits of vegetation in marsh areas at Mosquito Bay, ^{Norger Pond} Otis Cove and south of Hawthorne Pt. have been shown with a thin red line.

31. Low Water and Shoal Lines.

An approximate ledge or shoal line was shown on the map manuscript, in red ink, where it was visible on the photographs.

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.

43. Comparison with Hydrographic Surveys.

H-6968	1:10,000	1944
H-6984	1:10,000	1944

The shoreline on the hydrographic surveys was taken from the map manuscript. The changes in shoreline mentioned in Item 30 should be applied to the hydrographic surveys.

44. Comparison with Existing Topographic Surveys.

U.S.G.S., Tenants Hbr, Me., 15' quadrangle,
1:62,500, 1906

T-1081	1:10,000	1868
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The planimetry common to the surveys and the map manuscript is in good agreement with the following exceptions:

There has been extensive changes in the shoreline because of granite dumps at latitude $43^{\circ}59.7'$, longitude $69^{\circ}10.4'$; the east shore of Clark Island and at latitude $43^{\circ}58.5'$, longitude $69^{\circ}11.8'$.

Many small islands that are shown on the map manuscript do not appear on the quadrangle.

Common detail in common area, on these surveys, is superseded by the map manuscript.

45. Comparison with Nautical Charts.

Chart No. 312	1:40,000	1946
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The nautical chart is in fair agreement with the map manuscript with the following exceptions:

The cable crossing from Rackliff Island to Norton Island is shown in a different position on the chart than on the map manuscript.

The extensive changes in shoreline shown on the map manuscript at the granite dumps at latitude $43^{\circ}59.7'$, longitude $69^{\circ}10.4'$, the east shore of Clark Island and latitude $43^{\circ}58.5'$, longitude $69^{\circ}11.8'$, are not shown on the chart.

The approximate positions of the wrecks north of the Spectacles and at latitude $43^{\circ}59.3'$, longitude $69^{\circ}11.4'$ are not shown on the chart.

Many rocks and ledges that are on the chart do not appear on the map manuscript because they are not visible on the photographs.

This map manuscript has been applied to nautical charts. The differences mentioned above have been brought to the attention of the Nautical Chart Branch. They will be considered during verification of the charts.

Reviewed by:

Reviewed under direction of:

Charles Theurer
C. Theurer 10-28-47
Photogrammetrist

S. V. Griffith
S. V. Griffith K.H.M.
Chief, Review Section

Approved:

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Chief, Div. of Photogrammetry

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NAUTICAL CHARTS BRANCH

SURVEY NO. T 8002

Record of Application to Charts

[illegible]

M-2168-1

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.