### DESSCRIPTIVE REPORT

**Type of Survey**  Topographic  
**Field No.** Ph-104  
**Office No.** T-11225 N

### LOCALITY

**State**  Maine  
**General locality**  Knox County  
**Locality**  Matinicus Island

1953

**CHIEF OF PARTY**  
P. Taylor, Photogrammetric Party No. 1  
E. H. Kirsch, Balto. Photo. Office

### LIBRARY & ARCHIVES

**DATE**  June 19, 1953
DATA RECORD

T-11224 and T-11225 N

Project No. (II): Ph-104
Quadrangle Name (IV): 

Field Office (II): Rockland, Maine
Chief of Party: Paul Taylor

Photogrammetric Office (III): Baltimore, Md.
Officer-in-Charge: Comdr. E. H. Kirsch

Instructions dated (II) (III): 13 April 1953
29 April 1953 (Supplement I)
Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Air Photographic (Multiplex)

Manuscript Scale (III): 1:10,000
Stereoscopic Plotting Instrument Scale (III): 1:10,000

Scale Factor (III): 1.000

Date received in Washington Office (IV): March 1, 1954
Date reported to Nautical Chart Branch (IV): March 27, 1954

Applied to Chart No.

Date: 

Date registered (IV): 3 Feb 1958

Publication Scale (IV):

Geographic Datum (III): NA 1927

Vertical Datum (III):
Mean sea level except as follows:
Elevations shown as (2) refer to mean high water
Elevations shown as (3) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): JOHN, 1913

Lat.: 43° 52' 09.683"
Long.: 68° 54' 05.831"

Plane Coordinates (IV):

Y=
X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.
All contouring done by:
John R. Smith (blue), and
Martin C. Moody (red)

Areas contoured by various personnel
(Show name within area)
(I) (II) (III)

Hatched area contoured by E. H. Taylor. (on Kelsh Plotter)
DATA RECORD

Date: July, 1953

Date: July, 1953

Completion Surveys by (II): None made  
Date:

Mean High Water Location (III) (State date and method of location):  
See Paragraph No. 35 of this report.

Projection and Grids ruled by (IV): Austin Riley  
Date: Sept. 21, 1953  
Sept. 29, 1953

Projection and Grids checked by (IV): H. D. Wolfe  
Date: Sept. 23, 1953  
Sept. 29, 1953

Control plotted by (III): A. K. Heywood  
Date: Oct. 20, 1953  
Feb. 18, 1954

Control checked by (III): D. M. Brant  
Date: Oct. 21, 1953  
Feb. 18, 1954

Radial Plot or Stereoscopic Planimetry by (III): E. H. Taylor  
Control extension by (III): E. H. Taylor  
Date: Nov. 2, 1953  
Nov. 12, 1953

Stereoscopic Instrument compilation (III): E. H. Taylor  
Contours E. H. Taylor  
Date: Nov. 12, 1953

Manuscript delineated by (III): A. K. Heywood  
Date: Jan. 29, 1954  
Feb. 10, 1954

Photogrammetric Office Review by (III): A. K. Heywood  
Date: Feb. 11, 1954  
Feb. 26, 1954

Elevations on Manuscript checked by (II) (III): A. K. Heywood  
Date: Jan. 29, 1954  
Feb. 10, 1954

NOTE: The lower date opposite each item applies to T-11225.
Single lens Type "J"

PHOTOGRAPHS (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>52-J-3036</td>
<td>7/1952</td>
<td></td>
<td>(contact)</td>
<td>1:10,000 At or about MLW</td>
</tr>
<tr>
<td>52-J-3053</td>
<td>n</td>
<td>08:56</td>
<td></td>
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<td>52-J-3045</td>
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</tr>
<tr>
<td>52-J-3030</td>
<td>n</td>
<td>09:14</td>
<td>1:10,000</td>
<td>At or about MLW</td>
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<tr>
<td>52-J-3022</td>
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Tide (III)
(From predicted tables)

<table>
<thead>
<tr>
<th>Reference Station:</th>
<th>Portland, Maine</th>
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</thead>
<tbody>
<tr>
<td>Subordinate Station:</td>
<td>Matinicus Harbor</td>
</tr>
<tr>
<td>Washington Office Review by (IV):</td>
<td>John M. Neal</td>
</tr>
<tr>
<td>Final Drafting by (IV):</td>
<td>W. M. Daugherty</td>
</tr>
<tr>
<td>Drafting verified for reproduction by (IV):</td>
<td>W. M. Hallin</td>
</tr>
</tbody>
</table>

Land Area (Sq. Statute Miles) (III): 4
Shoreline (More than 200 meters to opposite shore) (III): 20
Shoreline (Less than 200 meters to opposite shore) (III): 2.0
Control Leveling - Miles (II): 2.0
Number of Triangulation Stations searched for (II): 9
Number of BMs searched for (II): 1
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None

Remarks:
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT
T-11224 and T-11225

Topographic maps T-11224 and T-11225 are two of 12 similar maps in project 6104. These maps include Matinicus, Ragged, Wooden Ball and Seal Islands and Vicinity. The shoreline and planimetry were compiled from T-3026 and 8028 (1941-44) and corrected to 1953 by 1952-53 photographs, complete interior field inspection and partial shoreline inspection. These maps were not field edited. Other field operations preceding compilation included planetable contouring and the establishment of some vertical control by planetable for the instrument contouring. The manuscripts are in 3 half quadrangle sheets, each 3-3/4' in lat. by 7.5' in long. The maps are to be published by the Geological Survey as standard 7-1/2' topographic quadrangles at scale 1:24,000. The registered copies will include a cloth-mounted print of each of the 3 manuscripts designated as T-11224-N, T-11224-S and T-11225-N and at scale 1:10,000, and 1 cloth-backed color print each of the 27-1/2-minute quadrangles.

John M. Neal
January 1956
FIELD INSPECTION REPORT
Quadrangles T-11224 and T-11225
Project Ph-104 (Section "A")

The phases listed in the paragraph below are in addition to those phases shown on Pages 2 and 3:

<table>
<thead>
<tr>
<th>Name and Title</th>
<th>Phase</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joseph K. Wilson, Cartographer</td>
<td>Horizontal Control</td>
<td>July, 1953</td>
</tr>
<tr>
<td></td>
<td>Shoreline</td>
<td></td>
</tr>
</tbody>
</table>

2. AREAL FIELD INSPECTION

The area includes several islands in the extreme southeastern portion of the project. Ragged Island and Matinicus Island are partly wooded and are the largest of the group. The remainder of the islands are about sixty feet high and are bare and rocky.

The villages of Matinicus and Criehaven are the only settlements within the group. Seal Island and Wooden Ball Island are inhabited only during the summer months by fishermen. At Matinicus Rock, the southernmost islet in the approach to Penobscot Bay, there is a lighthouse at the south end of the island.

Single-lens photographs of the U. S. Coast and Geodetic Survey, which were taken in 1952 at low water, were used for this area. No difficulty was encountered in their interpretation.

3. HORIZONTAL CONTROL

(a) No supplemental control was established.

(b) All stations are on the N.A. 1927 datum.

(c) All stations were established by the U. S. Coast and Geodetic Survey.

(e) All stations were recovered in good condition. RAGGED ISLAND, 1913 was reported destroyed in 1944. One of the reference marks was identified on the photograph.

(f) Four stations were identified by the Sub Station Method on Matinicus and Ragged Islands.
4. VERTICAL CONTROL

(a) One tidal bench mark, established by the U.S.C. & G.S., was recovered at Matinicus Island. The party was not furnished the published descriptions, therefore no other tidal marks were searched for.

(b) There were no supplemental levels run. Vertical control for the planstable contouring was provided by the water surface corrected for stages of tide from a special predicted tide curve.

(c) None.

(d) All islands within this area were contoured by planstable with the exception of parts of Matinicus and Ragged Islands. At the advice of the photogrammetrist from Baltimore additional elevations on these two islands have been shown on the low-water photographs in black. The project instructions were not strictly followed as these level lines were run by planstable using the Beaman Arc. No permanent level notes were retained.

5. CONTOURS AND DRAINAGE

The contouring was done by planstable on copies of Special Loofrite Planimetric Maps, at an interval of ten feet.

Matinicus Island attains a height of one-hundred three feet. The remainder of the islands vary from fifteen feet to seventy-five. The terrain is generally rolling with little definite drainage.

Planstable traverses started and closed on cultural detail that could be identified on the sheets. A stereoscopic study of the photographs was made constantly by the topographer.

6. WOODLAND COVER

A field edit was made of the woodland cover as per project instructions. There were no changes made.

7. SHORELINE AND ALONGSHORE FEATURES

The shoreline was classified in accordance with project instructions. A field edit of the high-water line was made throughout the area and adequate notes made on the loofrite sheets and low-water photographs. The low-water line was delineated on the low-water photographs in red. Rocks awash
and small islands not shown on the planimetric maps were indicated.

One submarine cable has been indicated on photograph number 52-J-3034.

8. OFFSHORE FEATURES

Detached rocks were visited at low-water and indicated on the low-water photographs.

The low-water line was done by visual inspection.

9. LANDMARKS AND AIDS

(a) One landmark is recommended for charting on Form 567. There are no new landmarks recommended.

(b) No interior landmarks are recommended.

(c) There are no aeronautical aids.

(d) Two fixed aids are listed on Form 567.

10. BOUNDARIES, MONUMENTS AND LINES

See Special Boundary Report, which will be submitted at a later date.

11. OTHER CONTROL

Right previously established monumented topographic stations were recovered and submitted on Form 524.

12. OTHER INTERIOR FEATURES

A field edit was made of the planimetric maps and any changes found have been noted on the lofrite sheets.

There are no bridges over navigable waters.
13. GEOGRAPHIC NAMES

A Special Report On Geographic Names will be submitted at a later date.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

The following reports will be submitted as special reports for the project: Geographic Names; Investigation of Boundaries; and Notes for the Coast Pilot.

3 September 1953
Submitted by:
Joseph K. Wilson
Joseph K. Wilson,
Cartographer

4 September 1953
Approved by:
Paul Taylor
Commander, USC&GS
Chief of Party
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>LATITUDE OR $\phi$-COORDINATE</th>
<th>LONGITUDE OR $\lambda$-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS</th>
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<tr>
<td>Matinicus Island</td>
<td>G-6793 p. 253</td>
<td>43 51 147.700</td>
<td>68 53 34.179</td>
<td>147.2 (379.6)</td>
</tr>
<tr>
<td>Cong. Ch. Cuf, 1913</td>
<td>N.A 1927</td>
<td>143 50 04.65</td>
<td>68 53 34.179</td>
<td>143.5 (1708.3)</td>
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<tr>
<td>Ragged Island</td>
<td>N.A 1927</td>
<td>143 50 04.65</td>
<td>68 53 34.179</td>
<td>143.5 (1708.3)</td>
</tr>
<tr>
<td>Northernmost Windmill</td>
<td>G-6793 p. 259</td>
<td>43 53 04.629</td>
<td>68 53 34.179</td>
<td>143.5 (1708.3)</td>
</tr>
<tr>
<td>No Mans Land, 1913</td>
<td>G-6053 p. 156</td>
<td>43 52 13.402</td>
<td>68 53 34.179</td>
<td>143.5 (1708.3)</td>
</tr>
<tr>
<td>John, 1913</td>
<td>G-6793 p. 259</td>
<td>43 52 09.683</td>
<td>68 54 95.831</td>
<td>143.5 (1708.3)</td>
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<tr>
<td>Matinicus Rock L.H. (South), 1859</td>
<td>G-6793 p. 259</td>
<td>43 47 00.632</td>
<td>68 51 19.584</td>
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<td>Judd Young's Ho. Chy., 1913</td>
<td>G-6793 p. 252</td>
<td>43 51 24.665</td>
<td>68 53 10.905</td>
<td>143.5 (1708.3)</td>
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<tr>
<td>Ragged Island</td>
<td>RM No. 2, 1913</td>
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Check L.H. Form 567 (p. 156 g.p. 15) 50K

# Computed from measurements given in listing of descriptions for triangulation stations.
<table>
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<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR Y-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</th>
<th>N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
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<tr>
<td>Sub. Sta. John, 1913</td>
<td>Office Comp.</td>
<td>NA</td>
<td>43 52</td>
<td>288.1 (1563.6)</td>
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<td></td>
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<tr>
<td>Sub. Sta. Ragged Island Fm No. 2, 1913</td>
<td>&quot;</td>
<td>1927</td>
<td>68 54</td>
<td>55.4 (1284.3)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>43 49</td>
<td>533.7 (1318.1)</td>
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<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>68 53</td>
<td>922.7 (4181)</td>
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<tr>
<td>STATION</td>
<td>SOURCE OF INFORMATION</td>
<td>LATITUDE OR y-COORDINATE</td>
<td>LONGITUDE OR x-COORDINATE</td>
<td>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</td>
<td>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</td>
<td></td>
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<tr>
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<td>---------------------------</td>
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<tr>
<td>SEAL ISLAND, 1913</td>
<td>0-6053 p. 156</td>
<td>43</td>
<td>53</td>
<td>140.6 (1711.3)</td>
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<tr>
<td></td>
<td>N.A. 1927</td>
<td>68</td>
<td>45</td>
<td>28.9 (1310.6)</td>
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<td></td>
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<tr>
<td>WOODEN BALL, 1858</td>
<td>0-4733 p. 16</td>
<td>43</td>
<td>51</td>
<td>879.4 (972.4)</td>
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<td></td>
<td>68</td>
<td>48</td>
<td>39.768</td>
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<td></td>
</tr>
</tbody>
</table>
No separate photogrammetric Plot Report is to be submitted for these quadrangles. All side headings of the report applicable are covered adequately in the Compilation Report.

31. DELINEATION

Loftrite sheets of planimetric surveys at a scale of 1:10,000 were furnished this section by the Washington office. These planimetric surveys from Project CS-272 C were used as a base for the compilation of topographic quadrangles by this office on the Kelsh instrument. The use of these loftrite sheets will be discussed in detail under paragraphs 33 and 35.

Field inspection was adequate.

32. CONTROL

The land area consists of four main islands. The control, horizontal and vertical, will be discussed for each island separately.

Matinicus Island

Horizontal control: A small multiplex bridge was run on this island holding the following identified points: JOHN, 1913; MATINICUS ISLAND CONG. CH. CUP*, 1913; JUDDY YOUNG'S HOUSE CHY., 1913; and one previously established topographic station S GAB*, 1944.

Vertical control: Vertical control was furnished but confined to a road running along the center of the island. The outer edges of the model consequently had to be leveled on the water's surface. The shoreline was so rocky as to make it difficult to read this water level with any degree of consistency.

Ragged Island

Horizontal control: Only one model could be set on this island, 3037 - 3038, containing one identified control point, RAGGED ISLAND R.M. No. 2. The point was held along with the shoreline from the loftrite sheet for scale. The photographs were taken at low water and the position of the M.H.W.L. was difficult to determine due to rocky ledge.

Vertical control: As in Matinicus Island, the rocky ledge made it difficult to level on the water. Index points were given by the field party on the south end of the island only.

Matinicus Rock, Wooden Ball Island and Seal Island were all completed by the Field Inspection party.

See paragraph No. 5 of the Field Inspection Report.
33. SUPPLEMENTAL DATA

Planimetric Surveys T-8026 and T-8028 from Project CS-272 C were used as a base for these quadrangles. All planimetry was accepted, except where changes were either noted by the inspection party or obvious during compilation of contours.

34. CONTOURS AND DRAINAGE

The quality of photographs and diapositives was fair. Sharpness of detail was lacking. Considerable tilt was noted.

Contours were compiled by the Kelsh instrument in the following areas:

Matinicus Island - In a line from pasture Cove across to High Head south to a line from Curtis Point across the island.

Ragged Island - In a line from Deep Cove across to Camp Cove south to the end of the island.

All other areas were contoured by planetable methods. Refer to sketch on page 2 of this report.

At the boundaries between the Kelsh and planetable contours listed above it was necessary for the Kelsh contours to extend approximately 1 1/2 inches past the neat line of the model in order to reach the planetable contours. Ties to these planetable contours were made with a minimum of difficulty.

Wooden Ball Island - Triangulation WOODENBALL, 1858, Form 526, describes this station as being the highest point on the island approximately 80' in elevation. The planetable contours, however, did not fit its plotted position being off some 15 meters. The planetable contours were adjusted to fit this description.

35. SHORELINE AND ALONGSHORE DETAIL

All shoreline was examined during compilation and, except for minor changes in the vicinity of Matinicus Harbor, it was decided that the previous shoreline could not be proven incorrect. (T-8026 & T-8028)

A low water line was furnished by the Field Inspection party on low water photographs:

36. OFFSHORE DETAILS

Refer to paragraph No. 49, of this report.
37. **LANDMARKS AND AIDS**

There are two aids to navigation and two landmarks for charts within these survey areas.

38. **CONTROL FOR FUTURE SURVEYS**

A list, by quadrangles, of recoverable topographic stations has been prepared and included in paragraph No. 49 of this report.

Refer to paragraph No. 20, Project Instructions, dated 13 April 1953 and Special Instructions, 73 mkl, 29 Dec. 1953, paragraph 10.

There are twelve topographic stations shown on these manuscripts. The Field Party submitted cards for eight recovered stations and one destroyed station.

39. **JUNCTIONS**

All boundaries of these surveys are water.

40. **HORIZONTAL AND VERTICAL ACCURACY**

See paragraph No. 32 of this report.

41 thru 45

Inapplicable.

46. **COMPARISON WITH EXISTING MAPS**


47. **COMPARISON WITH NAUTICAL CHARTS**


- Items to be applied immediately: None.
- Items to be carried forward: None.

Approved and forwarded

E. H. Kirsch,  
Comdr. USCGS  
Officer in Charge

Respectfully submitted

A. K. Heywood  
Carto. (Photo)
PHOTOGRAMMETRIC OFFICE REVIEW

1. Projection and grids
2. Title
3. Manuscript numbers
4. Manuscript size

CONTROL STATIONS
5. Horizontal control stations of third-order or higher accuracy
6. Recoverable horizontal stations of less than third-order accuracy (topographic stations)
7. Photo hydro stations
8. Bench marks
9. Plotting of sextant fixes
10. Photogrammetric plot report
11. Detail points

ALONGSHORE AREAS
12. Shoreline
13. Low-water line
14. Rocks, shoals, etc.
15. Bridges
16. Aids to navigation
17. Landmarks
18. Other alongshore physical features
19. Other alongshore cultural features

PHYSICAL FEATURES
20. Water features
21. Natural ground cover
22. Planetary contours
23. Stereoscopic instrument contours
24. Contours in general
25. Spot elevations
26. Other physical features

CULTURAL FEATURES
27. Roads
28. Buildings
29. Railroads
30. Other cultural features

BOUNDARIES
31. Boundary lines
32. Public land lines

MISCELLANEOUS
33. Geographic names
34. Junctions
35. Legibility of the manuscript
36. Discrepancy overlap
37. Descriptive Report
38. Field Inspection photographs
39. Forms

Reviewer
Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler
Supervisor

43. Remarks:

Form T-2
PHOTOGRAMMETRIC OFFICE REVIEW

1. Projection and grids
2. Title
3. Manuscript numbers
4. Manuscript size

CONTROL STATIONS
5. Horizontal control stations of third-order or higher accuracy
6. Recoverable horizontal stations of less than third-order accuracy (topographic stations)
7. Photo hydric stations
8. Bench marks
9. Plotting of sextant fixes
10. Photogrammetric plot report
11. Detail points

ALONGSHORE AREAS
(Nautical Chart Data)
12. Shoreline
13. Low-water line
14. Rocks, shoals, etc.
15. Bridges
16. Aids to navigation
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18. Other alongshore physical features
19. Other alongshore cultural features

PHYSICAL FEATURES
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BOUNDARIES
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MISCELLANEOUS
33. Geographic names
34. Junctions
35. Legibility of the manuscript
36. Discrepancy overlay
37. Descriptive Report
38. Field inspection photographs
39. Form

Reviewer
Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler
Supervisor

43. Remarks:
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<th>T-11224 (cont'd)</th>
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<tbody>
<tr>
<td>Pasture Cove</td>
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<td>Pond Cove</td>
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<td>Philbrook Cove</td>
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<td>Pudding Island</td>
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<tr>
<td>Ragged Island</td>
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<tr>
<td>Seal Cove</td>
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<tr>
<td>Seal Lodge</td>
</tr>
<tr>
<td>Shag Ledge</td>
</tr>
<tr>
<td>South Breaker</td>
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<tr>
<td>Southwest Ledges</td>
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<td>South Sandy Beach</td>
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<td>Sunset Pt.</td>
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<td>Tenpound Island</td>
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<td>The Barrel</td>
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<td>The Hogshead</td>
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<td>Tuckanuck Ledge</td>
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<td>Two Bush Ledge</td>
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<td>West Black Ledge</td>
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<td>West Pt.</td>
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<td>Whaleback</td>
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<td>Wilson Cove</td>
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<td>Wilson Head</td>
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<td>Malcolm Ledge</td>
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</tr>
<tr>
<td>Northeast Cove</td>
</tr>
<tr>
<td>Northwest Point</td>
</tr>
<tr>
<td>Seal Island</td>
</tr>
<tr>
<td>Shag Roost</td>
</tr>
<tr>
<td>Southwest Cove</td>
</tr>
<tr>
<td>Stephens Head</td>
</tr>
<tr>
<td>Squeaker Guzzle</td>
</tr>
</tbody>
</table>
48. GEOGRAPHIC NAME LIST (cont'd)

T-11225 (cont'd)

Western Bight
Western Head
Western Ledge
Wood Cove
Wooden Island (two words)

Names for 11225 approved 1-10-56. L. Heck

*Names taken from Planimetric Survey T-8026
**Names taken from Planimetric Survey T-8028
***Feature not shown on manuscript
NOTES FOR THE HYDROGRAPHER

T-11224

There are nine recoverable topographic stations within the survey - the names of which follow:

BELL TOWER ON SCHOOL, 1944
CHIHAVEN BREAKWATER LT., 1944
E. CHY., 1944
GREEN, 1944
NET, 1944
NOT, 1944
N. WINDOW HOUSE, 1944
S. GABLE, 1944
TOWER, 1943

T-11225

There are three recoverable topographic stations within this survey - the names of which follow:

JIM, 1944
LAN, 1944
LES, 1944

Refer to paragraph No. 20 of the Project Instructions, dated 13 April 1953.

A set of low water photographs (scale 1:10,000) has been prepared for use in hydrographic surveys and submitted with the report. These photographs contain detail points which are common to those on the manuscripts.

Chart sections are attached on which are indicated offshore details to be proven, disproven or located in position.

These features will be applied to the manuscripts with hydrography.
I recommend that the following objects which have (or have not) been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by

A. K. Heywood

E. H. Kirsch
Chief of Party

<table>
<thead>
<tr>
<th>STATE</th>
<th>MAINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>CUP</td>
<td>(MATINICUS IS. CONG. CH. CUR, 1913)</td>
</tr>
<tr>
<td>L.H.</td>
<td>Abandoned L.H. on Matinicus Rock</td>
</tr>
<tr>
<td>40 ft. high (105)</td>
<td></td>
</tr>
<tr>
<td>45 ft. high (85) (TOWER, 1943)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SIGNAL NAME</th>
<th>LATITUDE °</th>
<th>LONGITUDE °</th>
<th>DATUM</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>°</td>
<td>°</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>D. M. METERS</td>
<td>D. P. METERS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CUP</td>
<td>43 51</td>
<td>34.700</td>
<td>34.179</td>
<td>Triang T-1122b</td>
<td>1913</td>
</tr>
<tr>
<td>L.H.</td>
<td>43 47</td>
<td>65 68 51</td>
<td>46.8</td>
<td>Air Ph.</td>
<td>1943</td>
</tr>
</tbody>
</table>


This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area not by...
I recommend that the following objects which have (locally) been inspected from seaward to determine their value as landmarks be charted on (strikeout) the charts indicated.

The positions given have been checked after listing by A. K. Heywood

**Table: Nonfloating Aids or Landmarks for Charts**

<table>
<thead>
<tr>
<th>State</th>
<th>Charting Name</th>
<th>Description</th>
<th>Signal Name</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Datum</th>
<th>Method of Location and Survey No.</th>
<th>Date of Location</th>
<th>Harbors Chart Affected</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MAINE</strong></td>
<td><strong>LT.</strong></td>
<td>Cylindrical Gray Granite Tower &amp; Dwelling 90' high Matinicus Rock L.H. (South) 1897</td>
<td>43 47</td>
<td>00.632</td>
<td>19.504</td>
<td>NA</td>
<td>Triang. T-11224</td>
<td>1859</td>
<td>322 1203</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Red Skeleton Tower 26' high. (CRISBAVEN BREAKWATER LT., 1944)</td>
<td>43 50</td>
<td>4.70</td>
<td>35.32</td>
<td>*</td>
<td>Air Ph. T-11224</td>
<td>1944</td>
<td>322 1203</td>
</tr>
</tbody>
</table>

* From light list

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by
Review Report
Topographic Maps
T-11224
and
T-11225
January 1956

62. Comparison with Registered Topographic Surveys:

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-958</td>
<td>1:20,000</td>
<td>1864</td>
</tr>
<tr>
<td>7022</td>
<td>1:10,000</td>
<td>1945</td>
</tr>
<tr>
<td>8026</td>
<td>&quot;</td>
<td>1941-44</td>
</tr>
<tr>
<td>8028</td>
<td>&quot;</td>
<td>1941-44</td>
</tr>
</tbody>
</table>

T-11224-25 supersedes all above surveys in common areas for nautical charting purposes. Bluff symbol as used on T-3026 and T-8028 does not express these features as accurately as the contours of T-11224 and T-11225.

63. Comparison with Maps of Other Agencies:

USGS Matinicus, Me. 1:62,500, 1906

The contours on the above map are apparently from form lines sketched on T-958 (see 62) and do not adequately express relief existing on the islands. T-11224-25 completely supersedes areas in common of the above quadrangle as a source of topographic information.

64. Comparison with Contemporary Hydrographic Surveys:

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-7056</td>
<td>1:20,000</td>
<td>1945</td>
</tr>
<tr>
<td>H-7055</td>
<td>1:10,000</td>
<td>1945</td>
</tr>
<tr>
<td>ST-2154</td>
<td>1:20,000</td>
<td>1954 (boat sheet)</td>
</tr>
<tr>
<td>H-8167</td>
<td>1:10,000</td>
<td>1954</td>
</tr>
<tr>
<td>H-7057</td>
<td>1:20,000</td>
<td>1945</td>
</tr>
</tbody>
</table>

All differences between above surveys and T-11224 and T-11225 have been resolved by this review. Hydrography that will be applied at a later date has been compiled concurrently with this review.

65. Comparison with Nautical Charts

Chart 322  1:40,000  1950 (52-5/26)

No critical differences noted.
66. Adequacy of Results and Future Surveys:

These maps comply with all instructions and with the National Standards of Map Accuracy. They are of adequate accuracy for use as a base for Hydrographic Surveys.

Reviewed by:

[Signature]
John M. Neal

APPROVED BY:

[Signature]
R.A. Lande
Chief, Review and Drafting Section
Photogrammetry Division

[Signature]
Chief, Nautical Chart Branch
Charts Division

[Signature]
Chief, Photogrammetry Division

[Signature]
Chief, Coastal Surveys Division
Topographic maps T-11224 and T-11225 are two of 12 similar maps in project 610%. These maps include Matinicus, Ragged, Wooden Bell and Seal Islands and Vicinity. The shoreline and planimetry were compiled from T-8026 and 8028 (1941-44) and corrected to 1953 by 1952-53 photographs, complete interior field inspection and partial shoreline inspection. These maps were not field edited. Other field operations preceding compilation included planetable contouring and the establishment of some vertical control by planetable for the instrument contouring. The manuscripts are in 3 half quadrangle sheets, each 3-3/4' in lat. by 7.5' in long. The maps are to be published by the Geological Survey as standard 7-1/2' topographic quadrangles at scale 1:24,000. The registered copies will include a cloth-mounted print of each of the 3 manuscripts designated as T-11224-N, T-11224-S and T-11225-N and at scale 1:10,000, and 1 cloth-backed color print each of the 2 7-1/2-minute quadrangles.

John M. Neal
January 1956
62. **Comparison with Registered Topographic Surveys:**

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
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<td>1:20,000</td>
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</tr>
<tr>
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<tr>
<td>8028</td>
<td></td>
<td>1941-44</td>
</tr>
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T-11224-25 supersedes all above surveys in common areas for nautical charting purposes. Bluff symbol as used on T-8026 and T-8028 does not express these features as accurately as the contours of T-11224 and T-11225.

63. **Comparison with Maps of Other Agencies:**

USGS Matinicus, Me. 1:62,500, 1906

The contours on the above map are apparently from form lines sketched on T-958 (see 62) and do not adequately express relief existing on the islands. T-11224-25 completely supersedes areas in common of the above quadrangle as a source of topographic information.

64. **Comparison with Contemporary Hydrographic Surveys:**

<table>
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<tr>
<th>Survey</th>
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<td>1954</td>
</tr>
<tr>
<td>H-7057</td>
<td>1:20,000</td>
<td>1945</td>
</tr>
</tbody>
</table>

All differences between above surveys and T-11224 and T-11225 have been resolved by this review. Hydrography that will be applied at a later date has been compiled concurrently with this review, but an unverified boat sheet, which is subject to additions or corrections, is submitted.

65. **Comparison with Nautical Charts:**

<table>
<thead>
<tr>
<th>Chart</th>
<th>Scale</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>322</td>
<td>1:40,000</td>
<td>1950 (52-5/26)</td>
</tr>
</tbody>
</table>

No critical differences noted.
66. Adequacy of Results and Future Surveys:

These maps comply with all instructions and with the National Standards of Map Accuracy. They are of adequate accuracy for use as a base for Hydrographic Surveys.

Reviewed by:

John M. Neal

APPROVED BY:

Chief, Review and Drafting Section
Photogrammetry Division

Chief, Nautical Chart Branch
Charts Division

Chief, Photogrammetry Division

Chief, Coastal Surveys Division
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT
T-11224 and T-11225

Topographic maps T-11224 and T-11225 are two of 12 similar maps in project 6104. These maps include Matinicus, Ragged, Wooden Ball and Seal Islands and Vicinity. The shoreline and planimetry were compiled from T-8026 and 8028 (1941-44) and corrected to 1953 by 1952-53 photographs, complete interior field inspection and partial shoreline inspection. These maps were not field edited. Other field operations preceding compilation included planetable contouring and the establishment of some vertical control by planetable for the instrument contouring. The manuscripts are in 3 half quadrangle sheets, each 3-3/4' in lat. by 7.5' in long. The maps are to be published by the Geological Survey as standard 7-1/2' topographic quadrangles at scale 1:24,000. The registered copies will include a cloth-mounted print of each of the 3 manuscripts designated as T-11224-N, T-11224-S and T-11225-N and at scale 1:10,000, and 1 cloth-backed color print each of the 2 7-1/2-minute quadrangles.

John M. Neal
January 1956
62. **Comparison with Registered Topographic Surveys:**

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
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T-11224-25 supersedes all above surveys in common areas for nautical charting purposes. Bluff symbol as used on T-8026 and T-8028 does not express these features as accurately as the contours of T-11224 and T-11225.

63. **Comparison with Maps of Other Agencies:**

- USGS Matinicus, Me., 1:62,500, 1906

The contours on the above map are apparently from form lines sketched on T-958 (see 62) and do not adequately express relief existing on the islands. T-11224-25 completely supersedes areas in common of the above quadrangle as a source of topographic information.

64. **Comparison with Contemporary Hydrographic Surveys:**

<table>
<thead>
<tr>
<th>Survey</th>
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<td>1945</td>
</tr>
</tbody>
</table>

All differences between above surveys and T-11224 and T-11225 have been resolved by this review. Hydrography that will be applied at a later date has been compiled concurrently with this review.

65. **Comparison with Nautical Charts:**

- Chart 322 1:40,000 1950 (52-5/26)

No critical differences noted.
66. Adequacy of Results and Future Surveys:

These maps comply with all instructions and with the National Standards of Map Accuracy. They are of adequate accuracy for use as a base for Hydrographic Surveys.

Reviewed by:

John M. Neal

APPROVED BY:

Chief, Review and Drafting Section
Photogrammetry Division

Chief, Photogrammetry Division

Chief, Nautical Chart Branch
Charts Division

Chief, Coastal Surveys Division
# Nautical Charts Branch

**Survey No. 11224-11225**

**Record of Application to Charts**

<table>
<thead>
<tr>
<th>Date</th>
<th>Chart</th>
<th>Cartographer</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>5/27/60</td>
<td>322</td>
<td>Wittmann</td>
<td>Before After Verification and Review, Partly applied</td>
</tr>
<tr>
<td>9/17/61</td>
<td>1203</td>
<td>R.E. Ekker</td>
<td>Before After Verification and Review, Partly applied</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-2-62</td>
<td>332</td>
<td></td>
<td>Before After Verification and Review, Fully applied</td>
</tr>
<tr>
<td>10-9-63</td>
<td>1203</td>
<td>Rogers</td>
<td>Before After Verification and Review, Check log of chart 322</td>
</tr>
</tbody>
</table>

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.