<table>
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<th>Type of Survey</th>
<th>Topographic</th>
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<tr>
<td>Field No.</td>
<td>Ph-104</td>
</tr>
<tr>
<td>Office No.</td>
<td>T-11131</td>
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**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
<th>Maine</th>
</tr>
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<tbody>
<tr>
<td>General locality</td>
<td>St. George River</td>
</tr>
<tr>
<td>Locality</td>
<td>Friendship</td>
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</tbody>
</table>

**1953-55**

**CHIEF OF PARTY**

Paul Taylor, Chief of Field Party
E.H. Kirsch, Balto. Photo. Office

**LIBRARY & ARCHIVES**

**DATE**

May 12, 1958
DATA RECORD

T - 11131

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

Field Office (II): Rockland, Maine
Chief of Party: Paul Taylor
Photogrammetric Office (III): Baltimore, Maryland Officer-in-Charge: E. H. Kirsch

Instructions dated (II) (III): 13 April 1953
Supplement I dated: 29 April 1953
711, aal, 3 March 1954

Copy filed in Division of Photogrammetry (IV)

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

Manuscript Scale (III): 1:10,000
Multiplex
Plotting Instrument Scale (III): 1:7,000
Kelsh

Scale Factor (III): 1.000

Date received in Washington Office (IV): Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 6 Feb 1958

Publication Scale (IV):

Geographic Datum (III): NA 1927

Vertical Datum (III):
Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (2) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): HORN, 1934

Lat.: 43° 58' 39.332"
Long.: 69° 18' 01.610"

Adjusted

Plane Coordinates (IV):

State:
Zone:

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.
Red: Contouring by Martin C. Moody
Blue: Contouring by John R. Smith
Remainder: Contoured by J. C. Richter
DATA RECORD

Field Inspection by (II): Warren M. Gotschlich, Carto. Surv. Aid
Date: October to November, 1953

Plotting contouring by (II): Martin C. Moody, Carto. Surv. Aid
John R. Smith, Carto. Surv. Aid
Date: August to October, 1953

Completion Surveys by (II): Elgin T. Jenkins
Date: August 1955

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. 30, 1953

Projection and Grids checked by (IV): H. O. Wolfe
Date: Oct. 8, 1953

Control plotted by (III): E. H. Taylor
Date: Jan. 7, 1954

Control checked by (III): J. Y. Councell
Date: June 1, 1954

Examination or Stereoscopic
Control extension by (III): E. H. Taylor
Date: Jan. 12, 1954

Planimetry J. C. Richter
Date: Apr. 12, 1954

Stereoscopic Instrument compilation (III):
Contours J. C. Richter
Date: Apr. 12, 1954

Manuscript delineated by (III): J. Y. Councell (North)
Date: July 23, 1954

Work Sheets J. Y. Councell (South)
June 30, 1954

Photogrammetric Office Review by (III): R. Glaser
Date: Aug. 9, 1954

Elevations on Manuscript
checked by (II) (III): R. Glaser
Date: Aug. 9, 1954
**PHOTOGRAPHS (III)**

<table>
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<tr>
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<td>GS-FE-1-189</td>
<td>4/3/53</td>
<td>1118</td>
<td>1:10,000</td>
<td>6.0 above MLW</td>
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<tr>
<td>1-175 to 1-179</td>
<td></td>
<td>1058</td>
<td></td>
<td>5.6</td>
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<tr>
<td>1-133 to 1-139</td>
<td></td>
<td>1020</td>
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<td>1-11 to 1-17</td>
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<td>0900</td>
<td></td>
<td>1.5</td>
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<tr>
<td>1-32 to 1-38</td>
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<td>0923</td>
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<td>1052</td>
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<td></td>
<td></td>
<td>At or about MLW</td>
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<tr>
<td>2603 to 2609</td>
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<td>2771 to 2775</td>
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<td>2622 to 2640</td>
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<tr>
<td>2568 to 2584</td>
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**Tide (III)**

From Predicted Tide Tables

<table>
<thead>
<tr>
<th>Ratio of</th>
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<th>Spring</th>
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<tbody>
<tr>
<td>Ranges</td>
<td>Range</td>
<td>Range</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>8.9</td>
<td>10.2</td>
<td></td>
</tr>
<tr>
<td>1.0</td>
<td>9.0</td>
<td>10.4</td>
</tr>
</tbody>
</table>

Reference Station: Portland, Maine
Subordinate Station: Fort Clyde, St. George River Entrance

Washington Office Review by (IV): John M. Neal

Final Drafting by (IV): A.P. Berry

Drafting verified for reproduction by (IV): W. J. Halquin

Land Area (Sq. Statute Miles) (III): 15
Shoreline (More than 200 meters to opposite shore) (III): 57
Shoreline (Less than 200 meters to opposite shore) (III): None
Control Leveling - Miles (II): 28
Number of Triangulation Stations searched for (II): 13 Recovered: 9 Identified: 10
Number of BMs searched for (II): 6 Recovered: 5 Identified: 2
Number of Recoverable Photo Stations established (III): 2
Number of Temporary Photo Hydro Stations established (III): None
Number of Triangulation Intersection Stations Established: 1

Remarks:
FIELD INSPECTION REPORT
Quadrangle T-11131
Project Ph-104

2. AREAL FIELD INSPECTION

The quadrangle is comprised of a part of sparsely settled hilly peninsulas and a group of islands known as the St. George Islands. The unincorporated villages of Port Clyde and Friendship are the only settlements within the area.

Port Clyde and Friendship are typical fishing towns of this section of Maine. The village of Port Clyde is the headquarters of many fishing boats. It has no transportation by rail but is connected by a highway to Thomaston. The Monhegan Island mail and passenger boat bases here. A large fish cannery is located there.

The St. George Islands are a group of islands and rocks extending about 6.5 miles southwestward from the entrance to the St. George River. The larger islands are in general wooded, and the smaller ones grassy and rocky. The islands, for the most part are uninhabited, except by the fishermen during the summer months. There are very few features on the islands that are distinguishable from the sea. Friendship Island and Benner Island are an exception, in that a few fishermen live there the year round.

State Highways 97 and 131 are the only state highways within the quadrangle. The remainder of the mainland is adequately served by secondary roads.

A field edit of the planimetric maps was made in accordance with project instructions. Notes have been made on the planimetric maps and referenced to the photographs. The field inspection is believed to be adequate.

3. HORIZONTAL CONTROL

All U.S. Coast and Geodetic Survey stations were searched for and reported on Form 526. There were no stations of other agencies recovered.
THE KEGS DAYBEACON was located by third-order triangulation. Control Station "A" and Control Station Friendship Island were located by the three-point fix method for control of the photogrammetric plot.

The following stations are reported on Form 526 as destroyed or lost:

BURTONS ISLAND, RED HOUSE CHIMNEY, 1866 ✓
EAST COVE, WHITE HOUSE CHIMNEY, 1866 ✓
SRAVEY'S J HOUSE CHIMNEY, 1863 ✓
RIVERS HOUSE, NORTH CHIMNEY, 1860 ✓

BURTONS ISLAND, RED HOUSE CHIMNEY, 1866 is reported as destroyed on Form 526. It, however, was identified on the photograph as the base of the old chimney is intact and could be identified.

4. VERTICAL CONTROL

There are no bench marks of third-order accuracy or higher within the quadrangle. Two groups of tidal bench marks were recovered and reported on Form 685-A.

Supplemental elevations for stereoscopic mapping were established in accordance with project instructions. See Field Inspection Report of Quadrangle T-11126 for the methods used on the mainland. The level points on the islands were obtained by using the water surface corrected for stages of tide from a special predicted tide curve.

The first and last level points are 31-1 and 31-55.

5. CONTOURS AND DRAINAGE

The majority of the contouring of this quadrangle is to be done by either the Multiplex or the Kekah Plotter. However, several small islands were contoured by planetable on loflight prints of the planimetric maps. The portion of Allen Island, which falls within this quadrangle, was not contoured by planetable. That part which falls within T-11135 was contoured in its entirety by planetable. See Item 34 of the Compilation Report.

6. WOODLAND COVER

The woodland cover was classified in accordance with the Topographic Manual, Part II.
It was noted on the planimetric maps that practically no swamp had been shown. Alders are found growing in the low areas throughout this section and they have been classified as swamp.

7. SHORELINE AND ALONGSHORE FEATURES

(a) A field edit of the mean high-water line was made in accordance with project instructions. There were no changes noted.

(b) The low-water line was inspected visually at low-water. Special care was taken in and around the cove areas and in places where seaweed had photographed.

(d) The bluffs are depicted by the contours.

(e) All docks, wharves, piers, etc. have been indicated on the photographs where changes have occurred since the planimetric maps were compiled.

(f) Two submarine cables have been shown on the photographs. A telephone cable leads from Marshall Point Lighthouse to Burnt Island and Monhegan, and a power cable runs from the mainland at Friendship to Friendship Island.

8. OFFSHORE FEATURES

Measurements were made to the mean low-water line at several places to determine if the photographs were taken at or very near mean low-water. On the planimetric maps were numerous areas which had approximate positions of small islands, rocks, etc. These were visited at low-water and the low-water line delineated.

9. LANDMARKS AND AIDS

(a) There are no landmarks for nautical charts.

(b) There are no interior landmarks or aeronautical aids.

(d) Five fixed aids to navigation are recommended on Form 567 for charting. THE KEGS DAYBEACON was constructed in the summer of 1953 (See Paragraph 3 of this report). The remainder of the fixed aids have not been changed since the planimetric maps were compiled.
10. **BOUNDARIES, MONUMENTS AND LINES**

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

11. **OTHER CONTROL**

Ten previously established topographic stations were recovered and reported on Form 524. *See 49 of this report*

See Item 11 of Field Inspection Report, Quadrangle T-11127, for the photo-hydro control established.

12. **OTHER INTERIOR FEATURES**

The planimetric maps were inspected for any changes made since the area was compiled. This inspection was made on the photographs and referenced on the planimetric maps. Numerous small stone fences, wire fences, short trails, etc. have been deleted.

There are no bridges over navigable waters within the quadrangle.

13. **GEOGRAPHIC NAMES**

A special report on this subject will be submitted at a later date.

14. **SPECIAL REPORTS AND SUPPLEMENTAL DATA**

The special reports mentioned in Items 10, 13 and a Notes for Coast Pilot, are the only special reports and supplemental data.

6 November 1953
Submitted by:
Joseph K. Wilson
Cartographer

6 November 1953
Approved by:
Paul Taylor
Commander, USCGS
Chief of Party
<table>
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<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</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>
<th>DATUM CORRECTION</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>TEAL, ADAM, NO. CENTER OF CHY, 1863</td>
<td>G-6793 p. 296</td>
<td>N.A. 1927</td>
<td>143 58</td>
<td>07.37</td>
<td>227.5 (1624.4)</td>
<td>69 15</td>
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<td>CUSHING CHURCH NO. 1, 1860</td>
<td>G-6793 p. 291</td>
<td>n</td>
<td>143 59</td>
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<td>DELANO, 1934</td>
<td>G.P. p. 138</td>
<td>n</td>
<td>144 00</td>
<td>13.634</td>
<td>420.8 (1431.0)</td>
<td>69 21</td>
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<td>FRIENDSHIP WH. CH. SPIRE, 1934</td>
<td>G-6793 p. 290</td>
<td>n</td>
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<td>257.7 (1594.1)</td>
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<td>HERRING GUT CHURCH, 1859</td>
<td>G-6793 p. 296</td>
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<td>143 55</td>
<td>13.53</td>
<td>1343.5 (508.3)</td>
<td>69 15</td>
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<td>G-6793 p. 294</td>
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<td>74.7 (1777.1)</td>
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<td>144 00</td>
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<td>984.9 (867.0)</td>
<td>69 16</td>
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<td>p. 300</td>
<td>n</td>
<td>143 58</td>
<td>17.33</td>
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<td>G-4733 p. 20</td>
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<td>143 53</td>
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1 FT. = 0.304800 METER

COMPUTED BY: E. H. Taylor DATE: 12/15/53

CHECKED BY: H. P. Eichert DATE: 12/18/53
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<th>LATITUDE OR y-COORDINATE</th>
<th>LONGITUDE OR x-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FOR (BACK)</th>
<th>N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE</th>
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<tr>
<td>Sub. Sta. CONTROL STA. FRIENDSHIP I, 1953</td>
<td>3-point fix (field)</td>
<td>N.A. 1927</td>
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<td>n</td>
<td>43 53 194.0 (1657.9)</td>
<td>69 18 597.4 (760.0)</td>
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<td></td>
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<td>Sub. Sta. HORN, 1934</td>
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1 FT. = .3048006 METER

COMPUTED BY: H. P. Eichert  DATE: 2/10/54  CHECKED BY: A. K. Heywood  DATE: 2/10/54
21. AREA COVERED

T-1131 and T-1132

22. METHOD

Strips were bridged by multiplex at a scale of 1:7,000 using the U.S.G.S. photography. Horizontal pass points were established for use in setting the Kelsh models for compilation. Most of the 1:7,000 scale work sheets were reduced on film positive to a scale of 1:10,000. The Kelsh work sheets were prepared from these film positives. Pass points from several of the work sheets were transferred to the Kelsh work sheets by radial intersections.

The attached sketch of control shows strips bridged, identified horizontal control points and photo centers. Because the area was well cut up with small islands, continuous bridges could not always be set and some models were set individually holding to available control points and/or planimetry from the previous survey.

A two-model strip 1-125 thru 1-127 was set holding one identified point and the planimetry from the previous survey.

Strip 1-26 thru 1-31 at the north limit of T-1132 could not be tied between our pass points and those furnished by the Washington office. Accuracy was no doubt hindered somewhat by the extensive water area. The finally accepted solution resulted in our tying to the points established in the bridge to the south (1-16 thru 1-20) and also holding to most of the previously established, non-monumented topographic stations which could be identified in the stereoscopic models.

23. ADEQUACY OF CONTROL

Considering our use of the previous planimetric survey, control complied with project instructions and was adequate. Three horizontal control points were not held during the bridging. They were STONE, J. HO. CHY., 1863; HERRING GUT CHURCH, 1859 and Sub. Pt. MOSQUITO HEAD, 1934. These were discussed in our letters to Chief, Division of Photogrammetry dated 14 Jan. 1954, (copy attached to this report) and 15 Feb. 1954 (attached to Descriptive Report for T-1132). Subsequent to our compilation an error was discovered in the computation for azimuth used in computing Sub. Pt. MOSQUITO HEAD, 1934. See letter to Comdr. E. H. Kirsch from R. L. McGlinchey (Field Editor) dated 15 June 1954. A new computed position was plotted at this office which verified the multiplex compilation.
24. **SUPPLEMENTAL DATA**

T-8002, T-8003 and T-8004, previous planimetric surveys of this bureau were used as aids in our multiplex bridging in a manner discussed in the preceding paragraphs.

25. **PHOTOGRAPHY**

The quality of the photographs and diapositives used was good. Coverage and overlap were adequate.

Respectfully submitted
4 August 1954

Henry F. Eichart
Super. Carto.

Approved and forwarded

E. H. Kirsch
Comdr. USC&GS
Officer in Charge
Baltimore Photo. Office
31. **DELINEATION**

See Compilation Report for T-11132, item 31, paragraph one.

Since the south-half of this survey is to be prepared by direct scribing at the Washington office, the final office compilation remains on the vinylite work sheets. For the north-half, a conventional manuscript was prepared.

Except for inspection of low water, field inspection was adequate. The field party's practice of circling buildings with red ink on the field photographs was a hindrance during stereoscopic examination.

32. **CONTROL**

Refer to Photogrammetric Plot Report, item 23.

On McGee and Barter Islands, no horizontal control was available. The model was held to the shoreline from the previous survey.

33. **SUPPLEMENTAL DATA**

Planimetric surveys T-5621 and T-5622, Project CS-272 C were used as a base for compilation of this quadrangle.

34. **CONTOURS AND DRAINAGE**

The quality of the Geological Survey photographs was very good. The quality of the diapositives for both the Kelsh and multiplex instruments was fair to good.

35. **SHORELINE AND ALONGSHORE DETAIL**

All shoreline was examined during compilation, changes were kept to a minimum. Minor changes were made in about fifty percent of the MHWL. On the south-half all changes were noted in blue ink on the Kelsh work sheets.

Incomplete low water line inspection was furnished by the field party. About one-half was inspected by this office.

36. **OFFSHORE DETAILS**

Refer to "Notes to the Hydrographer"

37. **LANDMARKS AND AIDS**

There are five fixed aids to navigation within the limits of this survey.
37. LANDMARKS AND AIDS (cont'd)

38. CONTROL FOR FUTURE SURVEYS

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

A list of recoverable topographic stations, useful for hydrography has been prepared and included in paragraph No. 49 of this report. Forms 524 have been submitted for ten topographic stations on 20 Aug. 1954.

39. JUNCTIONS

Junction has been made with Survey T-11132 to the east; to the west with Survey T-11130 and to the south with T-11135. There is no contemporary survey to the north.

40. HORIZONTAL AND VERTICAL ACCURACY

Refer to the first paragraph of item No. 40 of Descriptive Report for T-11132.

In model GS-PE-1 = 1° and 1 = 15', two points 31-54 and 31-06 furnished by the field party did not level with other vertical control. Point 31-54 is believed to be misidentified and point 31-06 was off about + 60 feet. Vertical control was sufficiently dense that these points did not inhibit the leveling of the model on other control.

41. BOUNDARIES

Boundaries were taken from a copy of General Highway map of Knox County as submitted and verified by the field party.

46. COMPARISON WITH EXISTING MAPS

47. COMPARISON WITH NAUTICAL CHARTS

Chart 313, scale 1:40,000 published Feb. 1919 (10 editions) 1/28/52.

Items to be applied to nautical charts immediately:

None.

Items to be carried forward:

None.

Respectfully submitted
20 August 1954

A. K. Heywood
Carto. (Photo)

Approved and Forwarded

E. H. Kinch, Comdr. USCG
Officer in Charge
Baltimore Photo. Office
PHOTOGRAMMETRIC OFFICE REVIEW

T. 11/31

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

(Nautical Chart Data)

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. Planetable 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 overlay  
37. Descriptive Report  
38. Field inspection photographs  
39. Forms  
40. Reviewer  
41. 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:
48. GEOGRAPHIC NAMES

Ames Cove
Back River
Bird Point
Bradford Point
Bremen Township
Burton Point
Caldwell Island
Cranberry Island
Crotch Island
Crotch Island Ledges
Crystal Pond
Cushing Township

Davis Cove
Deep Cove
Pelane Cove
Forest Pond
Friendship (town)
Friendship Harbor
Friendship Island
Friendship Township

Gay Cove
Gay Island
Gay Cove Ledge
Garrison Island
Glenmere
Gull Rock

Hatchet Cove
Hathorne Point
Henderson Ledge
Hornbarn Cove
Howard Point
Howard Pond
Hungry Island

Jameson Point
Knox County
Lincoln County
Lobster Gut

Maple Juice Cove
Martin Point
Meduncook River
Minister Gut
Morse Island
Morse Ledge
Muscongus Bay
Martin

(Continued on next page)
48. **Geographic Names (Cont'd)**

- Narrows
- Neds Point
- **Northeast Point Reef**
- Nubbins
- Pleasant Point (town)
- Pleasant Point
- Pleasant Point Gut
- Ram Island
- St. George River
- St. George Township
- Sand Island
- South Cushing
- Stone Point
- Teal Cove
- Turkey Cove
- Turkey Point
- Wharton T.
- Wiley Cove
- Me. 220 (*key*)

* Name from Chart 313

** Name from Chart 313; feature not delineated; name in pencil on manuscript.

Names approved 4-29-55
A.J.W.
18. GEOGRAPHIC NAMES LIST

- Allen Island
- Allen Ledge
- Bar Island
- Barter Island
- Benner Island
- Beyer Ship Ledge
- Black Island
- Black Island Ledge
- Black Rock
- Blubber Island
- Caldwell Island
- Carey Rock
- Cedar Island
- Cranberry Island
- Cushing Township

(1) Davis Island
- Davis Shoal
- Davis Strait

- Eagle Island

- Fish Cove
- Franklin Island
- Friendship Township

- Gangway Ledge
- Georges Harbor
- Georges Islands

(1) Gig Rock
- Goose Rock

(1) Goose Rock Ledge

(1) Griffin Ledge
- Gunning Rocks

- Hall Island
- Hart Island

(3) Hart Bar

(4) Hart Island Ledges
- Hooper Island
- Hooper Point

- Inner Shag Ledge

(2) Jenks Ledge

(2) Kelp Ledges
- Knox County
GEOGRAPHIC NAMES LIST (CONT'D)

(1) Marshall Ledge
(1) Murray Ledge
(2) Old Cilley Ledge
(4) Old Horse Ledge
Old Hump Channel
Old Hump Ledge
Otter Island
Otter Island Ledge
Otter Island Passage
Outer Shag Ledge
Port Clyde
Port Clyde Harbor
Ram Island
Raspberry Island
Seavey Island
Shag Ledges
St. George Township
Stone Island
Teel Island
(2) The Kegs
(2) The Sisters
Thompson Island
Thompson Rock
Toms Island
Twobush Island

Names of hydrographic features marked with 'X' will be added with hydrography: Jan 3/56

Names approved 4-29-55
A.J.W.
(Those marked with 'X' are OK, but need not be shown on map).

(1) Name from Chart 313; feature could not be delineated; name shown on work sheets in pencil.

(2) Feature could not be delineated; name shown in pencil.

(3) Name appears only on T-5621; feature could not be delineated; name on work sheet in pencil.

(4) Name from Chart 313.

(5) "Little Island" as shown on geographic name sheet is in disagreement with "Joes Island" which appears on T-5621, a more recent survey.

Joes Island is correct as far as recent investigation is concerned. However, pending further inquiry, it is recommended that the name be omitted from the map. A.J.W.
NOTES FOR THE HYDROGRAPHER

The following is a list of recoverable topographic stations which may be used as control for hydrography. These are all carried forward from previous planimetric surveys, except as noted. Several of the non-monumented topographic points established in 1941 and 1943, but which could not be verified, have been deleted.

TREE, 1943
BEAR, 1943
DEER, 1943
SHIP, 1943
RULL, 1943

CUP, ON WHITE HO.
RAIL, 1943
S.E. GAB. HO., 1943
ROCK CAIRN, 1943
W. GAB. HO., 1943

DATE, 1943
WAKE, 1943

E. GAB. HO., 1941
E. GAB. HO., 1941
S. E. GAB. HO., 1941

E. GAB. HO., 1941
LONE STONE CHY, 1941
S. GAB. BARN, 1941
BRICK CHY, 1943
S. GAB., 1941
SOUTHERNMOST GAB 1941
E. GAB. HO., 1941
W. GAB. HO., 1941
GREEN TANK, 1941
TALK, 1941
W. GAB. HO.

W. GAB. HO., 1941
BOAT, 1941
E. GAB. HO., 1941
E. GAB. HO., 1941
E. GAB. HO., 1941

CITY, 1941
CLAM, 1941
N. GAB. SHED, 1941

These lists are not complete—see map for stations.
NOTES FOR THE HYDROGRAPHER (CONT'D)

New stations established by the Baltimore office:

- SPIRE, 1953
- LEDGE HIGH PT., 1953
- LONE TREE, 1953
- S. E. GAB., 1953
- S. E. GAB., 1953
- S. GAB., 1953
- W. GAB., 1953
- S. W. GAB., 1953
- COR. WALL, 1953
- S. COR. PIER, 1953
- S. E. GAB., 1953
- N. W. COR. PIER, 1953
- N. W. COR. PIER, 1953
- N. W. GAB., 1953
- S. E. GAB. ON PIER, 1953
- N. W. COR. PIER, 1953
- END RUINED PIER, 1953
- S. GAB., 1953
- W. COR. PIER, 1953
- S. E. GAB., 1953
- CHY., 1953
- N. COR. PIER, 1953
- CHY., 1953
- BOULDER, 1953
- S. GAB. RED BARN, 1953

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

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

* Chart section removed from this report

Details will be applied with hydrography
TO BE CHARTED

I recommend that the following objects which have 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

---

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<th>STATE</th>
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<td>CHARTING NAME</td>
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<td>LT</td>
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<tr>
<td>BN</td>
<td>Red Cylindrical Cage on Pipe 23' High (△) Old Horse Ledge Daybeacon, 1943</td>
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<td>BN</td>
<td>Black Iron Spindle 25' high(△) The Kega Daybeacon, 1953</td>
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<tr>
<td>BN</td>
<td>Jameson Point Ledge Daybeacon Red Cask on end iron spindle 24 ft. high (Jameson Point Ledge Beacon, 1941)</td>
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<tr>
<td>BN</td>
<td>Murphy Ledge Daybeacon. Black Cask on bilge on iron spindle 23 ft. high. (Murphy Ledge BN, 1941)</td>
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</table>

E. H. Kirsch, Chief of Party.

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating...
51. Methods. The quadrangle was inspected by riding over all roads to check their classification, to classify buildings, to examine questioned areas and to visually check all mapped features and contours. Trails recommended to be deleted or retained on the map, were checked either by walking over them or by utilizing local information as to their existence and condition.

All shoreline and offshore features were inspected from a skiff. All islands were inspected for planimetry. The contour accuracy, on some of the islands was tested by elevations computed from tide curves. Some top elevations of bare islands were tested by vertical angle and scaled distances, as suggested by the Reviewer. Elevations obtained by this method are labeled on the field edit plane-table sheet.

All additions, corrections and deletions have been made on the field edit sheet or cross referenced to the photographs. Violet ink was used for all corrections and additions and green ink for all deletions. A legend appears on all field edit and plane-table sheets.

Field edit information appears on the discrepancy prints, one field edit sheet, three field edit plane table sheets, fourteen GS-PF ratio prints numbered: 1-11 through 1-16, 1-33 through 1-35, 1-37, 1-133, 1-177, 1-178 and 1-191.

52. Adequacy Of Compilation. The map compilation is near adequate and will be complete with the application of the field edit data.

53. Map Accuracy. No horizontal accuracy tests were made of the quadrangle. Plane-table traverses, in several areas, between mapped features, closed well, indicating the mapped features have relatively good position.

A pre-determined area was tested for the accuracy of the contours. After the allowable horizontal shift was applied, the tabulated summary reads as being 100 percent accurate. However, while the combined accuracy, of all areas tested, will meet the National Specifications for contouring it will not be 100 percent correct. In some areas small top contours were either not seen or were overlooked and on some of the small islands, in the southern part of the quadrangle, no contours at all were shown although the island height was shown as being fifteen feet above M.H.W.

Item # 40 of the Compilation Report states that vertical control point 31-54 is believed to have been misidentified. This point was misidentified and the elevation should not be shown on the map. The report also states that vertical control point # 31-06 is believed to be in error plus 60 feet. The plus 60 feet must be a typographical error and was probably intended for plus 6.0 feet. Vertical control point # 31-06 was checked and found to have an elevation of 11.5 feet and the original work gave an elevation of 11.3 feet. With this thought in mind it was then believed that the model might have an error of 6.0 feet in it. Therefore, some contours nearby were checked for accuracy. The contours, checked in this area, were found to have 5.0 feet or less error.
54. Recommendations. No recommendations are offered.

55. Examination Of Proof Copy. No one was requested to examine a proof copy of this map.

The point shown on the map at the approximate latitude and longitude of 43-58-45 and 69-16-30 is evidently no longer known as Burton Point. All persons contacted declare the point was once known as Burton Point but for the last fifty years it has been known as Hathorne Point and state road signs verify this information. Names of the following residents are given as references:

Mr. Charles H. Bailey, Pleasant Point, Knox County, Maine, resident of the area for 20 years.
Mrs. Shannon Cushman, Pleasant Point, Knox County, Maine, resident of the area for 30 years.
Mr. Edward K. Maloney, Pleasant Point, Knox County, Maine, resident of the area for 60 years.
Mr. Alvaro Olson, Pleasant Point, Knox County, Maine, resident of the area for 60 years.

The pond, at the approximate latitude and longitude of 43-57 and 69-15-30, shown as "Howard Pond" is no longer known by that name. Residents of the area agree that the pond was once known by that name as quite a bit of the surrounding land was owned by a Mr. Howard. The name now in common usage is "Turkey Pond." Names of the following residents are given as references:

Mr. Myron Hupper, Port Clyde, Maine, resident of the area 46 years.
Mr. Marius Martens, Glenmere Road, Tenants Harbor, Maine, resident of the area for 41 years.
Mr. Lawry McClellen, Glenmere Road, Tentants Harbor, Maine, resident of the area for 74 years.

The name of the island just west of Port Clyde, shown as "Hooper Island," may be mis-spelled. There are quite a few residents of the area whose name is Hupper. Their ancestors were the first to settle on the island. Many persons were contacted concerning this name and with the exception of one, all agreed that the island is known as "Hupper Island." The person who did not agree declares that some of the settlers spelled their name Hooper and some Hupper. It is believed it would be more correct to show the name of this island as "Hupper." Names of the following residents are shown as references:

Mr. Daniel W. Carter, Port Clyde, Maine, resident of the area for 44 years.
Mr. Sam Jonason, Port Clyde, Maine, resident of the area for 10 years.
Mr. Allison Wilson, Port Clyde, Maine, resident of the area for 50 years.
Mr. Enid Monaghan, Port Clyde, Maine, resident of the area for 35 years.
Mrs. Levi Hupper, Port Clyde, Maine, resident of the area for 40 years.

Respectfully submitted,
8/4/55

Elgan T. Jenkins
Cartographer

Hupper I and Howard Pond referred to by Mr. T. Jenkins in 1941—no action. Hathorne Pt. is not properly named as Burton Pt. was checked in 1940 as correct by L.H.
## TOPOGRAPHIC MAPPING

**Summary & Abstract of Vertical Accuracy Test**

Project No. Pb-104 Me. Quad. No. T-1131 N. Quad. Name Muscongus Bay

Method of Testing: **Standard Planetable Profile**

Tested by E.T.J., Date 7-20-55 Evaluated by R.L.S.

Contour interval: **10 ft. 1.22 M.M. allowable shift at 1-10000 map or manuscript scale.**

28 Total number of points tested

100 % of points within 1/2 contour interval or better

- 28 Test points correct within 1/2 contour interval
- 0 Test points in error between 1/2 and full contour interval
- 0 Test points in error over full contour interval

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Summary to Accompany
Descriptive Report
T-11131

Topographic map T-11131 is one of 12 similar maps in Project 6104. This map includes part of Muscongus Bay and the Villages of Friendship and Port Clyde. The shoreline and planimetry were compiled from T-5621 and T-5622 (dated 1941-43) and corrected to 1955 by means of 1952-53 photographs, complete interior field inspection, partial shoreline inspection and a complete field edit. Other field operations preceding compilation included leveling for vertical control of stereo contour mapping and planetable contouring of certain areas (see page 2).

The manuscript is in 2 sheets, each 3-3/4' in lat. by 7.5' in long. The maps are to be published by the Geological Survey at a scale of 1:24,000 as a standard 7.5' topographic quadrangle. The registered copies under T-11132 will include 2 cloth-mounted prints designated T-11132-N and T-11132-S, each at scale 1:10,000, and a color print (cloth mounted) of the published quadrangle.

JIM
March '56
Review Report  
Topographic Map  
T-11131  
March 1956

61. **General Statement:**

See Summary Report.

62. **Comparison with Registered Topographic Surveys:**

| T-960  | 1:20,000 | 1864  |
| 1001  | 1:10,000 | 1865  |
| 1002  | "        | 1865  |
| 1058  | "        | 1866-67|
| 1076  | "        | 1867-68|
| 1117  | "        | 1867-69|
| 5621  | "        | 1941-43|
| 5622  | "        | 1941-43|

Comparison with above surveys indicates no significant differences with T-11131. T-11131 supersedes all above surveys in common areas for nautical charting purposes.

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

Comparison was made with the NE/4 of USGS MONHEGAN, ME., 1/62,500, 1906 (reprint 1950)

Some differences in top elevations of Cranberry and Otter Island and in the drainage thru the flat area N of Friendship are noted. Otherwise, no appreciable differences are apparent except in cultural details.

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

| H-6354 | 1:10,000 | 1943-44 |
| 6964   | "        | 1944    |
| 6965   | "        | "       |
| 6967   | "        | "       |
| 6968   | "        | "       |
| 6969   | "        | "       |
| 6984   | "        | "       |

All differences with T-11131 have been resolved.

65. **Comparison with Nautical Charts:**

| Chart 313 | 1:40,000 | 1949 (54-4/26) |

Cable area between Jameson Point and Friendship Island is incorrectly located on above chart. Otherwise, no critical differences are noted. Inland planimetry on the chart is obsolete by comparison with T-11131.
66. Adequacy of Results and Future Surveys:

This map complies with all instructions and with the National Standards of Map Accuracy (see Field Edit Report). It is of adequate accuracy for use as a base for hydrographic surveys.

Reviewed by:

J. M. Neal

APPROVED:

[Signature]
Chief, Review and Drafting Section
Photogrammetry Division

[Signature]
Chief, Nautical Chart Branch
Charts Division

[Signature]
Chief, Coastal Surveys Division

[Signature]
Chief, Photogrammetry Division
## INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.
1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

<table>
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FORM C&GS-8252 SUPERSEDES ALL EDITIONS OF FORM C&GS-975.