
U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey  Topographic

Field No. Ph-104  Office No. T-11135

LOCALITY

State  Maine

General locality  Miscoungus Bay

Locality  Allen and Monhegan Islands

1953-55

CHIEF OF PARTY
Paul Taylor, Chief of Field Party
E.H. Kirch, BALTO. PHOTO. Office

LIBRARY & ARCHIVES

DATE  May 12, 1958
DATA RECORD

T - 11135

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

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

Officer-in-Charge: E. H. Kirsch

Instructions dated (II) (III): 13 April 1953
29 April 1953 (Supplement I)
(711 aal, 3 March 1954
(73 mk1, 29 Dec. 1953)
Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Air Photographic (Multiplex & Kelsh Plotter)

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):
Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 29 Jan 1958

Publication Scale (IV):
Publication date (IV):

Geographic Datum (III): NA 1927
Vertical Datum (III):
Mean sea level except as follows:
Elevations shown as (a) refer to mean high water
Elevations shown as (o) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): MONHEGAN, 1858

Lat.: 43° 16' 16.297"
Long.: 69° 18' 18.541"
Adjusted

Plane Coordinates (IV):
State: Maine Zone: east

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.
Areas contoured by various personnel
(Show name within area)

Contouring in blue: by Mr. John R. Smith
" red: " Mr. Martin C. Moody

Area left blank: to be done by compiling office
J. C. Richter (Kelsh Plotter)
DATA RECORD

Field Inspection by (II): Mr. John R. Smith, Carto. Surv. Aid Date: August, 1953
Mr. Martin C. Moody, Carto. Surv. Aid

Planetable contouring by (II): Mr. John R. Smith, Carto. Surv. Aid Date: July-August, 1953
Mr. Martin C. Moody, Carto. Surv. Aid

Completion Surveys by (III): Geo. E. Varnadole 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: 2 Oct. 1953
Projection and Grids checked by (IV): H. D. Wolfe Date: 8 Oct. 1953
Control plotted by (III): E. H. Taylor Date: 18 Dec. 1953

Control checked by (III): H. P. Eichert Date: 18 Dec. 1953

Radial Plot or Stereoscopic: E. L. Rolle Date: 8 Jan. 1954
Control extension by (III):

Planimetry J. C. Richter Date: 5 Feb. 1954
Contours J. C. Richter Date: 5 Feb. 1954

Manuscript delineated by (III): J. Y. Councill N/2
A. K. Heywood S/2 Date: 6 Apr. 1954
4 June 1954

Photogrammetric Office Review by (III): A. K. Heywood N/2
H. P. Eichert S/2 Date: 5 July 1954
5 July 1954

Elevations on Manuscript checked by (II) (III):
A. K. Heywood Date: 1 July 1954
U.S.G.S. Single lens 6" Focal Length.
U.S.C.&G.S. Single lens 6" Focal Length Type J.

PHOTOGRAPHS (III)

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<th>Number</th>
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<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
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<tr>
<td>GS-PF-1-179 - 1-184</td>
<td>4/3/53</td>
<td>11:03</td>
<td>1:10,000</td>
<td>5.6 above MLW</td>
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<tr>
<td>1-186 - 1-187</td>
<td></td>
<td>11:11</td>
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<td>6.0</td>
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<tr>
<td>52-F-2639 - 2643</td>
<td>7/13/52</td>
<td></td>
<td></td>
<td>At or about MLW</td>
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<tr>
<td>2558 - 2562</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2566 - 2568</td>
<td></td>
<td></td>
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<td>2609 - 2611</td>
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<td></td>
</tr>
<tr>
<td>3100 - 3107</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tide (III)

Reference Station: Portland, Maine
Subordinate Station: Monhegan I
Subordinate Station:
Washington Office Review by (IV): [Signature]
Final Drafting by (IV): M. J. Day
Drafting verified for reproduction by (IV): W. D. Helms
Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 3
Shoreline (More than 200 meters to opposite shore) (III): 12
Shoreline (Less than 200 meters to opposite shore) (III):
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 4 Recovered: 3 Identified: 3
Number of BMs searched for (II): 6 Recovered: 6 Identified: 2
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

Date: Feb 1956
Date: 12-27-57
Date: 1-3-58

Form T: Page 4
FIELD INSPECTION REPORT
Quadrangle T-1135
Project Ph-104 (Section "A")

The phases listed below are in addition to those phases listed 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,</td>
<td>Horizontal Control</td>
<td>August, 1953</td>
</tr>
<tr>
<td>Cartographer</td>
<td>Shoreline</td>
<td></td>
</tr>
</tbody>
</table>

2. AREAL FIELD INSPECTION

The quadrangle is comprised of a group of several islands which are about six miles off the mainland. Monhegan Island, the largest of the group, is one of the important landmarks for vessels bound along the coast. Monhegan is a village of fishermen and summer residents.

The U. S. Coast Guard maintains a light station on Monhegan, a fog signal station on Manana, and a lifeboat station at Burnt Island. The Coast Guard also has telephone communication connecting Whitehead Island and Burnt Island and from Burnt Island to Monhegan.

The large islands in this group are heavily wooded and are very sparsely settled with the exception of Monhegan. The shorelines along the islands are quite rocky, with high bluffs in places.

Single-lens photographs taken by the U. S. Geological Survey and low-water photographs taken by this Bureau were used. No difficulty was encountered in their interpretation.

3. HORIZONTAL CONTROL

(a) OLD MAN LEDGE DAYBEACON and DUCK ROCKS DAYBEACON were located by third-order methods and described on Form 525b.

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

(e) All Coast and Geodetic Survey stations, which were plotted on the project index, were recovered in good condition.

(f) Three stations were identified on the photographs.
4. VERTICAL CONTROL

(a) Six tidal bench marks, established by the U.S.C. & G.S. were recovered.

(b) Vertical control for the planetable contouring was provided by the water surface corrected for stages of tide from a special predicted tide curve.

Several additional elevations were requested by the photogrammetrist from Baltimore. These elevations were obtained by planetable using the vertical angle. Permanent level notes were retained.

(c) The first and last level points are 35-1 and 35-4.

5. CONTOURS AND DRAINAGE

The contouring was done by planetable on copies of loftrite prints of the planimetric maps, at an interval of ten feet. Parts of Monhegan and Burnt Island are to be contoured by stereoscopic instruments. The portion of Allen Island in this quadrangle has been contoured by planetable. Allen Island and Monhegan Island are about one hundred thirty feet above sea level. It was difficult to work these islands, since they were heavily wooded and had considerable underbrush. The topographer, however, has taken a great number of elevations and used the stereoscope regularly. It is believed the contours are of good quality.

There is little definite drainage found on the islands of this area. The terrain is generally rolling.

6. WOODLAND COVER

A field edit was made of the woodland in accordance with project instructions. Spruce trees are predominant on the larger islands.

7. SHORELINE AND ALONGSHORE FEATURES

The shoreline was inspected in accordance with project instructions. A field edit of the high-water line was made throughout the area and adequate notes made on the loftrite sheets. The low-water line, rocks swash, small islands, etc. have been delineated on the low-water photographs in red. Several islands which were not shown on the planimetric sheets have been added.

The U.S. Coast Guard submarine telephone cable has been shown on photographs 52-J-2558 and 52-J-3101.
8. OFFSHORE FEATURES

The low-water line was done by visual inspection at low-water. The entire area was inspected for additions.

9. LANDMARKS AND AIDS

(a) Three landmarks are recommended on Form 567 for charting. There are no new landmarks recommended.

(b) No interior landmarks are recommended.

(c) There are no aeronautical aids.

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

10. BOUNDARIES, MONUMENTS AND LINES

See Special Boundary Report, which will be submitted at a later date. Allen and Burnt Islands are in Knox County, while Monhegan Island is in Lincoln County.

11. OTHER CONTROL

Two previously established monumented topographic stations were recovered and reported 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 loftrite sheets.

There are no bridges over navigable waters.

13. GEOGRAPHIC NAMES

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

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Special reports will be submitted for Geographic Names, Boundary Investigation, and Notes for the Coast Pilot.

25 September 1953
Submitted by:
Joseph K. Wilson
Cartographer

30 September 1953
Approved and Forwarded:

Paul Taylor
Commander, USCG
Chief of Party
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR Y-COORDINATE *</th>
<th>LONGITUDE OR X-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>
</tr>
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<tbody>
<tr>
<td>BURNT ISLAND 2, 1924</td>
<td>G-4733 p. 20</td>
<td>N.A. 1927</td>
<td>43</td>
<td>51</td>
<td>57.478</td>
<td>1774.0</td>
<td>(77.8)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>69</td>
<td>17</td>
<td>42.480</td>
<td>948.6</td>
<td>(391.2)</td>
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<tr>
<td>MONHEGAN LIGHT, 1859</td>
<td>G-4733 p. 16</td>
<td>n</td>
<td>43</td>
<td>45</td>
<td>52.979</td>
<td>1635.1</td>
<td>(216.7)</td>
<td></td>
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<td>69</td>
<td>18</td>
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<td>MONHEGAN, 1858</td>
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<td>n</td>
<td>43</td>
<td>46</td>
<td>16.297</td>
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<td></td>
<td></td>
<td>69</td>
<td>18</td>
<td>18.541</td>
<td>414.7</td>
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<tr>
<td>DUCK ROCKS, DAYBEACON 1953</td>
<td>Form 288</td>
<td>n</td>
<td>43</td>
<td>46</td>
<td>34.814</td>
<td>1074.5</td>
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<td></td>
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<td>69</td>
<td>19</td>
<td>41.815</td>
<td>935.2</td>
<td>(106.7)</td>
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<tr>
<td>OLD MAN LEDGE DAYBN, 1953</td>
<td>Form 288</td>
<td>n</td>
<td>43</td>
<td>50</td>
<td>27.427</td>
<td>846.5</td>
<td>(1005.3)</td>
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<td>1255.5</td>
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<td>STATION</td>
<td>SOURCE OF INFORMATION (INDEX)</td>
<td>DATUM</td>
<td>LATITUDE OR η-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>
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<td></td>
<td></td>
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<tr>
<td>Sub. Sta. MONHEGAN, 1858</td>
<td>Office Comp.</td>
<td></td>
<td>21 634.25</td>
<td>498.1 (1025.9)</td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td>287 962.24</td>
<td>902.9 (621.1)</td>
<td></td>
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</tbody>
</table>

1 FT = 0.3048006 METER

Photogrammetric Plot Report

No separate photogrammetric Plot Report is to be submitted for this quadrangle. All side headings of the report applicable are covered adequately in the compilation report.

31. DELINEATION

Loftrite sheets of the planimetric surveys at a scale of 1:10,000 were furnished by the Washington office. These planimetric surveys from Project CS-272-C were used as a base for the compilation. Revisions of culture, shoreline and addition of contours were accomplished by the Kelsh instrument. Information from the planimetric survey, revisions, contours from the Kelsh and contours furnished by the field party, were then composited and conventional manuscripts were prepared.

Field inspection was adequate.

32. CONTROL

The horizontal control was adequate and complied with project instructions. The base compilation plus the identified horizontal control was used in setting our models.

The land area consists of three main islands. The control (horizontal and vertical) will be discussed for each island separately.

Monhegan Island

Horizontal Control:
A small multiplex bridge was run on this island holding the following identified points: MONHEGAN ISLAND LT., 1859 and MONHEGAN, 1858.

Vertical Control:
The southern one-third of this island was contoured by the field party. Planetable elevations used in the compilation of these contours were used as level points in the compilation of the remainder of the island by Kelsh.

Allen Island

Horizontal Control:
Although this island was contoured in the field it was necessary to set the model to furnish detail points for the hydrographic party. There was no horizontal control on the island useful in setting the model and, consequently, the MHWL was used as horizontal control in the dropping of detail points.
32. **CONTROL (cont'd)**

**Allen Island**

Vertical Control:
See preceding page.

**Burnt Island**

Horizontal Control:
The model was held using the field identification of
BURNT ISLAND 2, 1931, and office identification of the topo
station, N. GABLE COAST GUARD HOUSE, 1943.

Vertical Control:
The eastern half of this island was contoured by the
field and the western half contoured by the Kelsh using the
planetable elevations as vertical control.

33. **SUPPLEMENTAL DATA**

Planimetric survey T-5620 for Project CS-272-C was used
as a base for these manuscripts. 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 both photographs and diapositives was fair.

Except in areas where contours were furnished by the field, as
described in paragraph 32, all contours were delineated by the Kelsh.

35. **SHORELINE AND ALONGSHORE AREAS**

All shoreline was examined during compilation. In the absence
of field inspection shoreline changes were kept to a minimum.

A low water line was furnished by the field party on low water
photographs.

36. **OFFSHORE DETAILS**

Refer to paragraph No. 49 of this report.

37. **LANDMARKS AND AIDS**

There are three aids to navigation and three landmarks for charts
within this survey area.
38. CONTROL FOR FUTURE SURVEYS

A list 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 December 1953, paragraph No. 10.

There are four topographic stations shown on this manuscript. The field party submitted cards for two recovered stations which were transmitted on 7 July 1954.

39. JUNCTIONS

Junction was made to the north with T-11131 S. The other edges of the sheet are bounded by water.

40. HORIZONTAL AND VERTICAL ACCURACY

See paragraph No. 32 of this report.

41. BOUNDARIES

Boundaries were compiled from information furnished by the field party on General Highway Maps of Lincoln County and Knox County scale 1/2" per mile.

42. - 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. Kirch, Comdr. USCS&GS
Officer in Charge
Baltimore Photo. office

Respectfully submitted
16 July 1954

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

T. 11135 N


CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy AKH 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) AKH 7. Photo hydro stations AKH 8. Bench marks AKH

ALONGSHORE AREAS

(Nautical Chart Data)

PHYSICAL FEATURES


CULTURAL FEATURES


BOUNDARIES

31. Boundary lines AKH 32. Public land lines AKH

MISCELLANEOUS


40. [Signature] Reviewer
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

* Allen Island
  * Allen Shoal
  Atlantic Ocean

* Black Head
  Burnt Head
  Burnt Island

Christmas Cove

Deadman Cove

** Dry Ledges
  Duck Rks

Eastern Duck Rk.

Georges Islands
  Green Pt.

* Gull Rk. Ledge

Harpoon Ledge

Inner Duck Rk.

Knox Co.

Lincoln Co.

Little Burnt Island
  Little Egg Rk.

* Little Egg Rk. Shoals
  Lobster Cove
  Lobster Pt.

Manana I

* Midway Rocks
  Monhegan
  Monhegan Harbor
  Monhegan I
  Muscongus Bay

Norton Ledge

Old Hump Channel

Old Man Ledge

Old Woman Ledge

Seal Ledges

Shark I

Smutty Nose I

* Sunken Duck Rk.

Wash Ledge (from Andrew Rocks (ch. 313))

White Head

* Names marked thus deleted from manuscript to be restored with hydrography  
  [Signature]  
  Feb '56

* Name from Chart 313
  (Feature not shown on manuscript).

** From Chart 313.
49. 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

BULL, 1943
N. GAB., C. G. HOUSE, 1943
RADIO TOWER, 1943
WOLF, 1943

A set of photographs (scale 1:10,000) at or about low water has been prepared for use in hydrographic surveys and submitted with this report.

These photographs contain detail points which are common to those on the manuscripts.

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

* All details proven, disproven or located in position by 1943-45 hydrographic surveys. Chart sec. removed from this report
I recommend that the following objects which have (below) been inspected from seaward to determine their value as landmarks be charted on (delete) the charts indicated.

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

<table>
<thead>
<tr>
<th>STATE</th>
<th>MAIN</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>CHARTS AFFECTED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>BN</td>
<td>Black slatted tripod 47' high (△ Duck Rks. Daybeacon, 1953)</td>
<td></td>
<td>43 46</td>
<td>34.814</td>
<td>41.815</td>
<td>NA</td>
<td>T=11135</td>
<td>1953</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LT.</td>
<td>Monhegan Island Light (Conical Tower 178' high) (△ MONHEGAN LIGHT, 1859)</td>
<td></td>
<td>43 45</td>
<td>52.979</td>
<td>58.816</td>
<td>n</td>
<td>n</td>
<td>1859</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BN</td>
<td>Red Wheel &amp; Pendants on Iron Spindle 28' high) (△ Old man Spine)</td>
<td></td>
<td>43 50</td>
<td>27.427</td>
<td>56.202</td>
<td>n</td>
<td>n</td>
<td>1953</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 and not by individual field survey sheets. Information under each column heading should be given.
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.

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 individual field survey sheets. Information under each column heading should be given.

<table>
<thead>
<tr>
<th>STATE</th>
<th>NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL</th>
<th>LATITUDE*</th>
<th>LONGITUDE*</th>
<th>METHOD OF LOCATION AND SURVEY No.</th>
<th>DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAINE</td>
<td>TR</td>
<td>Skeleton Steel 47' (167°7') (A) Burnt Island 2, 1934</td>
<td>63 51</td>
<td>177.76</td>
<td>69 17</td>
<td>918.6</td>
<td>1927</td>
<td>TR-11135</td>
</tr>
<tr>
<td>TR</td>
<td>Skeleton Steel 125' (175°)</td>
<td>63 45</td>
<td>177.77</td>
<td>69 19</td>
<td>854</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>OAB</td>
<td>U. S. No. 7 37' (52') B. Cab. Ch. Sta.</td>
<td>63 52</td>
<td>560</td>
<td>69 17</td>
<td>806</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
</tbody>
</table>
Field Edit Report
Quad: T-11135

51. Methods. The islands were visited by boat. All roads and trails on Monhegan and Burnt Islands were walked out to check their location and classification, to classify buildings, to investigate questioned areas and to visually check contour shapes and planimetry.

Standard plane-table methods were used for testing the vertical accuracy of contours on Burnt Island. Elevations of the water level was determined from a tide curve, which was constructed from predicted tides. This method was used only during calm weather, with a calm sea.

No test was made on Monhegan Island as the Coast Guard furnished transportation to the island and time would not permit a test.

Field edit information is to be found on the following; 2 Discrepancy Prints; 2 Field Edit Sheets; 2 Photographs (ratio prints) Nos. GS PE-1-183 and 187 and 2 Low-water Photographs Nos. 52-J-3102 and 3104.

All additions, corrections and deletions have been made on the Field Edit Sheets or cross referenced there to the Photographs. Violet ink was used for corrections and additions. Green ink was used for deletions. A legend appears on each Field Edit Sheet, as to the color of ink used.

52. Adequacy of the Compilation. The Compilation will be adequate and complete after the application of the Field Edit Data.

53. Map Accuracy. No horizontal tests were made. Sixteen points on contours were tested for vertical accuracy, on Burnt Island. None of the points tested were in error as much as one half contour interval.

54. Recommendations. No recommendations are offered.

55. Examination of the Proof Copy. No one was asked to examine a proof copy of the manuscript.

Geographic names were discussed with two fishermen of the area and with the Officer in Charge of the Burnt Island Coast Guard Station. No discrepancies were noted.

Respectfully submitted,
10 August 1955

George E. Varnadoe
Photo. Engr.
Summary & Abstract of Vertical Accuracy Test

Project No. Ph-104 Quad. No. 7-1135 Quad. Name Menhagan
Method of Testing: Plane Table
Tested by: GEV Date: 8 Aug 1955 Evaluated by: GEV.
Contour interval: 10 ft. M.M. Allowable shift at: 1: 10,000
map or manuscript scale,

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Summary to Accompany
Descriptive Report
T-11135

Topographic Map T-11135 is one of 12 similar maps in Project 6107. This map includes Monhegan I, Burnt I and most of Allen I. The shoreline and planimetry were compiled from T-5620 (dated 1941-45) and corrected to 1955 by means of 1952-53 photographs, field inspected in 1953, partial shoreline inspection and a complete field edit. Other field work preceding compilation included plane-table contouring and establishment of some vertical control (by plane-table) for instrument contouring. The manuscript is in 2 sheets, each 3-3/4' x 7.5' and at 1:10,000 scale. The map is to be published by the Geological Survey at scale 1:24,000 as a standard 7.5 minute topographic quadrangle. Registered copies under T-11135 will include 2 half-quadrangle cloth mounted prints at 1:10,000 scale, one designated as T-11135-N and the other T-11135-S, and a cloth mounted color print of the 7.5' quadrangle.

John M. Neal
February 1956
61. General Statement:

(See Summary)

62. Comparison with Registered Topographic Surveys:

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T-11135 supersedes both above surveys in common areas for use as source material for construction or maintenance of nautical charts. No major differences are noted except in cultural detail.

63. Comparison with Maps of Other Agencies:

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

Considering differences in scale, dates of survey, contour interval and standards there are no significant differences except in interior detail. T-11135 supersedes the SE/4 of the above map.

64. Comparison with Contemporary Hydrographic Surveys:

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All conflicts with above surveys have been resolved by the undersigned reviewer. The approximate low water line is nearly completely mapped by T-11135. Hydrography will be applied to this quadrangle prior to color separation drafting by the Geological Survey.

65. Comparison with Nautical Charts:

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

No differences except in minor details of no significance to the chart.
66. Adequacy of Results and Future Surveys:

This map complies with all instructions and is adequate for use as a base for future hydrographic surveys. It complies with the National Standards ofAccuracy as evidenced by the Field Edit Report.

Reviewed by:

John M. Neal

J. M. Neal

APPROVED:

L. C. Lands
Chief, Review and Drafting Section
Photogrammetry Division

May 26, 1967
Chief, Nautical Chart Branch
Charts Division

Chief, Photogrammetry Division

Chief, Coastal Surveys 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.

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