U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey: Topographic Survey

Field No.: CS-272-P  Office No.: T-8650

LOCALITY
State: Maine
General Locality: Coastal Area
Locality: Great Wass Island to Steele Harbor Island

1948
CHIEF OF PARTY
R. A. Gilmore

LIBRARY & ARCHIVES
DATE: May 24, 1949
DATA RECORD

T-8650

Quadrangle (II): GREAT WASS ISLAND, ME. Project No. (II): CS-272-F

Field Office: Chief of Party: Ross A. Gilmore
Millbridge, Maine

Compilation Office: Chief of Party: Thos. B. Reed
Baltimore, Md.

Instructions dated (II III): Copy filed in Descriptive
June 19, 1945 Report No. T_— (VI)
Sept. 18, 1946

Completed survey received in office: 12-9-48

Reported to Nautical Chart Section:

Reviewed: 4-8-49 Applied to chart No. 304 Date: 6-9-48

Redrafting Completed:

Registered: 5-3-49 Published:

Compilation Scale: 1:10,000 Published Scale: 1:24,000
(Multiplex 1:8500)

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927 Datum Plane (III): Mean Sea Level
Reference Station (III): RAKE, 1862

Lat.: 44° 28' 42.873" Long.: 67° 35' 12.798" Adjusted

State Plane Coordinates (VI):

X =

Y =

Military Grid Zone (VI)
PHOTOGRAPHS (III)

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Tide from (III): Moose Peak Lt. or Mash I. Lt.

Mean Range: \( \text{11.8'} \)  
Spring Range: \( \text{13.5'} \)

Camera: (Kind or source)  
U.S.C. & G.S. Type "G", 6 inch metrogon lens

Field Inspection by:  
Lewis V. Evans III, and Robert R. Kim

Field Edit by: G. Varnadoe

Date of Mean High-Water Line Location (III):  
June 1946

Projection and Grids ruled by (III) T.L.J.  
" " " checked by: T.L.J.

Control plotted by: Albert K. Heywood  
Control checked by: Donald M. Brant

Radial Plot by: None

Detailed by: A.K. Heywood (1:8500 multiplex)  
Bernadette A. Dew (1:10,000 compilation)  
Mildred M. Trautman (1:8500 shoreline)

Reviewed in compilation office by:  
1:8500 - S.W. Trow  
1:10,000 - Henry P. Eichert

Elevations on Field Edit Sheet: manuscript  
checked by: Henry P. Eichert

Date: Summer 1946

Date: Aug 18, 1948

Date: 6-9-47

Date: 6-9-47

Date: 11-47

Date: 1-8-48

Date: June 1947

Date: April 1948
STATISTICS (III)

Land Area (Sq. Statute Miles): 7

Shoreline (More than 200 meters to opposite shore): 41 miles
Shoreline (Less than 200 meters to opposite shore): 2 miles

Number of Recoverable Topographic Stations established: 8

Number of Temporary Hydrographic Stations located by radial multiplex -plot: 30

Leveling (to control contours) - miles:

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

   When entering names of personnel on this record give the
surname and initials (not initials only).

Remarks:
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<tr>
<th>STATION</th>
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<th>DATUM</th>
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<th>LONGITUDE OR x-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)</th>
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1 ft. = 304.8006 meters
COMPUTED BY: H.P. Elchert
DATE: Winter 1946-1947

A.C. Rauck, Jr.
CHECKED BY: A.C. Rauck, Jr.
DATE: Winter 1946-1947
1 - DESCRIPTION OF THE AREA:

This is a standard 7½ minute quadrangle situated on the coast of Maine, in Washington County, in the vicinity of Jonesport. It is bounded on the north by N. Lat. 44°-30'00", on the south by N. Lat. 44°-22'30", and on the east and west by W. Long. 67°-30'00" and W. Long. 67°-37'30" respectively. The total of the land area in the quadrangle is approximately 6 square statute miles. This consists of several small islands and numerous jagged rock ledges. The two most prominent are Great Wass Island and Steel Harbor Island. These two islands are populated very sparsely, the inhabitants being fishermen. There is practically no land suitable for agricultural activities because it is rocky or marshy.

The vegetation on these two islands consists mainly of a dense, coniferous growth with the ground being spongy.

The only outstanding man-made feature is Moosepeak Lighthouse standing on Mistake Island.

As a whole, the shoreline is very ragged and consists mainly of rock ledge.

2 - COMPLETENESS OF FIELD INSPECTION:

The field inspection is complete. All important features such as buildings, roads, vegetation and rocky areas have been indicated and classified. This inspection is shown on the 1:6500 scale ratio print photographs.

3 - INTERPRETATION OF THE PHOTOGRAPHS:

The numerous white blotches appearing on the photographs are rock ledges showing in the vegetation. The peat bogs have a powdery gray background with a slightly mottled tone, due to a growth of scattered brush. The dark, somewhat grainy tone is dense coniferous trees.

4 - HORIZONTAL CONTROL:

The 5 existing triangulations in the quadrangle were recovered and identified for photographic control use.
They were identified on the following 1:20,000 scale photographs: 44 C 1358, 1031, 1032, 1028, 1360.

No new horizontal control was established.

5 - VERTICAL CONTROL:

No bench marks were recovered in this quadrangle. The elevations determined in this quadrangle consist of three points on Great Wass Island, determined from the line started on Seal Island in quadrangle 8646, and closed on tidewater, and one point the elevation of which was determined from a loop starting and ending on tidewater. There was also one elevation determined on Steel Harbor Island with a line starting and ending on tidewater. Entries were made in the record book showing the time and date of tidewater readings.

About 3\(\frac{1}{2}\) miles of fourth-order levels were run with a total of 5 elevation points being determined and identified. 1:20,000 scale photographs as follows were used: 44 C 1027, 1029, 1033, 1361.

No entries of elevations were made on the photographs, the points were merely circled and lettered to correspond with those in the record book as required by the instructions.

6 - CONTOURS AND DRAINAGE:

Inapplicable.

7 - MEAN HIGH-WATER LINE:

The inspection of shoreline was accomplished by traversing the shore on foot and from a small boat running slow and as close to the shore as possible. The mean high-water line was identified on the 1:8500 scale ratio photographs within 0.5mm of true position. The legend for shoreline inspection appears on the reverse side of photograph No. 44 C 1350.

The following photographs were used for shoreline inspection: 44 C 991 - 993 inclusive; 1028 - 1030 inclusive; 1032 - 1034 inclusive; 1356 - 1361 inclusive.

8 - LOW-WATER LINE:

The photographs were taken near low-water. The low-water line has been accurately identified where possible and so indicated on the 1:8500 scale ratio prints. Otherwise, the approximate low-water line has been indicated by the authorized symbol.
9 - WHARVES AND SHORELINE STRUCTURES:

All wharves and shoreline structures have been indicated and labelled on the photographs. All those that could not be easily distinguished were outlined in red ink.

10 - DETAILS OFFSHORE FROM HIGH-WATER LINE:

In the area covered by this quadrangle there are numerous rocks and ledges awash. At each of those visible on the photograph, a note was made as to how much the rock or ledge bared, the time and date. Numerous additional rocks not visible on the photographs will require investigation by the hydrographic party.

Also, there are many fish traps or weirs, some of which extend as much as 1/2 mile offshore. All of these were indicated and labelled on the photographs except one or two built after the photographs were taken. These weirs are not permanent, being subject to destruction by storms and ice, hence will require further investigation by the hydrographic party.

11 - LANDMARKS AND AIDS TO NAVIGATION:

One landmark, CUPOA, Great Wase Island Coast Guard Station (Triangulation Station THREE FALLS LIFE SAVING STATION CUPOA, 1913) is located in this quadrangle. This has been included in the report "Landmarks for Charts" submitted for that area of Project GS-272-F covered during the 1946 field season. $C_{11/2.4}$

Moose Peak Lighthouse is the only fixed aid to navigation; it has been located by triangulation and was recovered and identified on the field photographs.

12 - HYDROGRAPHIC CONTROL:

An effort has been made to establish sufficient Hydrographic Control although this was difficult in some areas because of dense woods along shore which made objects hard to identify and describe.

Objects suitable for hydrographic signals were picked on the photographs for future use by the hydrographer and numbered in accordance with the instructions and a short description recorded in field sketchbook Vol. 4. The objects used consist of lone trees or outstanding trees, points of ledge along the shore, large outstanding boulders, corners of piers, chimneys of houses and gables and corners of houses and other buildings.

In addition to the above, recoverable topographic stations were established at intervals not in excess of 1 mile. Where these stations could not be picked directly on the photographs the substitute station method was used. Description of Recoverable Topographic Stations, form 524, and control station identification cards for those stations
employing a substitute station, have been submitted.

There are 14 such stations in this quadrangle.

13 - LANDING FIELDS AND AERONAUTICAL AIDS:

There are no landing fields or aeronautical aids in the area covered by this quadrangle.

14 - ROAD CLASSIFICATION:

Roads were classified in accordance with "General Instructions - Classification and Compilation of Roads" dated 30 June 1945, on the field inspection and shoreline photographs.

15 - BRIDGES:

There are no bridges over navigable waters in the area covered by this quadrangle.

16 - BUILDINGS AND STRUCTURES:

Buildings and structures to be shown were encircled with small red ink circles. All public buildings were labelled. Isolated structures were labelled. This was done on the field inspection and shoreline photographs.

17 - BOUNDARY MONUMENTS AND LINES:

This will be the subject of a special report submitted by Harold A. Duffy, Photogrammist, for that part of Project CS-272-P covered in the 1946 field season. Filed in Div. of Photogrammetry General Files.

18 - GEOGRAPHIC NAMES:

Same as 17. See p. 38

Note: Work on items 4 and 11 was done by Lt.(jg) Lewis V. Evans III; on all other items by R. R. Kim, Photo. Aid.

Respectfully Submitted:

[Signature]
Lewis V. Evans III, Lt.(jg)

Approved and forwarded

[Signature]
Robert R. Kim, Photo. Aid

Ross A. Gilmore, Chief of Party
COMPILATION REPORT

TOPOGRAPHIC MANUSCRIPT - SURVEY NO. T-8560

26. CONTROL

As there were very few elevations determined for this quadrangle, leveling for most models had to be done at tide level. In several models indexing also had to be done at tide level.

See Compilation Report for Project CS-272-F for a discussion of control. Filed in Div. of Photogrammetry, General Files

27. RADIAL PLOT

None.

28. DETAILING

See Compilation Report for this project. All details have been completed.

29. SUPPLEMENTAL DATA

None.

30. MEAN HIGH-WATER LINE

The mean high water line was delineated first on the 1:8500 work sheets and transferred to the map manuscript from the reduced film positives as described in the Compilation Report for this project.

31. LOW-WATER AND SHOAL LINES

All low-water lines shown on the map manuscript are approximate. See Review Report T-8647

32. DETAILS OFFSHORE FROM THE HIGH-WATER LINE

These data are believed to be complete. See notes for the hydrographic parties.

33. WHARVES AND SHORELINE STRUCTURES

Data are complete.
34. LANDMARKS AND AIDS TO NAVIGATION

THREE FALLS LIFE-SAVING STATION CUPOLA, 1913 (landmark) and
MOOSE PEAK L.H., 1862 (aid to navigation) have been plotted from the
geographic positions. See paragraph 11 of the Field Inspection Report.

35. HYDROGRAPHIC CONTROL

All photo-hydro and photo-topo stations that could be identified
and located within 0.5 mm. of correct geographic positions are shown on
the map manuscript. See Compilation Report for Project CS-272-F.

The following photo-hydro stations have been rejected because they
could not be identified with sufficient accuracy:

| 5001 | 5038 |
| 5002 | 5040 |
| 5004 | 5044 |
| 5005 | 5045 |
| 5006 | 5047 |
| 5009 | 5050 |
| 5012 | 5051 |
| 5013 | 5054 |
| 5019 | 5058 |
| 5020 | 5061 |
| 5022 | 40197 |
| 5023 | 46191 |

37. RECOVERABLE TOPOGRAPHIC STATIONS

Eight (8) recoverable topographic stations were established. Forms
524 have been submitted for each. Seven (7) other stations, located within
the quadrangle, were not established, HEAD, 1946, could not be established
as no picking card was received. The remaining six (6) could not be located
within the required accuracy. They are: WIND, 1946; UNPAINTED HOUSE, N.W.
CORNER, 1946; GRAY HOUSE, WEST GABLE, 1946, Shingled House, W. Gable, 1946,
Rain, 1946 and Tree, 1946. See Review Reports Addendum to Compilation
Report.

38. GEOGRAPHIC NAMES: Approved list filed in Geographic Names Section

The geographic names shown on this map manuscript are from the
special report of Harold A. Duffy. An alphabetical list accompanies this report.
39. JUNCTIONS

Junction has been made to the west with T-8649.

Junction to the north with T-8646 will be made at a future date.

To the east and south is the Atlantic Ocean.
All junctions checked during survey.

40. BOUNDARIES

The boundary between Jonesport and Beals has been shown from data furnished by the Field Inspection Party.

41. MILITARY GRID

The military grid, as required in the project instructions, has not yet been furnished. Not necessary.

42. DISCREPANCY OVERLAY

No discrepancy overlay accompanies this manuscript.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

Agreement appears to be good with the U. S. Geological Survey, Great Wass Island, Me., 15 minute quadrangle, edition of 1921 (scale 1:62,500).

45. COMPARISON WITH NAUTICAL CHARTS

Agreement between this map manuscript and U. S. Coast and Geodetic Survey Chart No. 304 (scale 1:40,000) dated Dec. 1943 (4th edition) is generally good. After the field edit and hydrographic surveys this manuscript should supersede the previously charted information.

Details requiring further investigation have been reported in the "Notes for Hydrographic Parties" which is attached to this report.

Respectfully submitted
6 May 1948

Henry R. Eichert, Capt.
Photogrammetrist

Bernadette A. Dew
Engr.Aid (Topo.)

Approved and forwarded

Thos. B. Reed
Officer in Charge
Baltimore Photogrammetric Office
I recommend that the following objects which have (not noted) been inspected from seaward to determine their value as landmarks be charted on (noted) the charts indicated.

The positions given have been checked after listing by ________________________________

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<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
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<th>LONGITUDE</th>
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<th>DATE OF LOCATION</th>
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A copy of Chart Letter 412 (45) listing "Three Falls Life Saving Station, Cupola" is filed in the Descriptive Report for TE 646.
GEOGRAPHIC NAMES

- Alley Pt.
- Beals (District)
- Big Peabody Island
- Black Head
- Black Duck Cove
- Black Island
- Black Ledges
- Prim Cove
- Browney Island
- Calf Island
- Cape Cove
- Channel Rk.
- Crow Island
- Crow Point
- Crumple Island
- Curlew Rk.
- Deep Cove
- Eastern Bay
- Fisherman Island
- Folkingham Cove
- Freeman Rk.
- Great Bass Island
- Green Island (2)
- Green Rock
- Hall Cove
- Hall Island
- Head Harbor
- Head Harbor Island (District)
- Jonesport
- Knight Island
- Little Cape Point
- Little Hardwood Island
- Little Peabody Island
- Little Pond Head
- Lower Herring Cove
- Main Channel Way
- Man Island
- Mannings Farm
- Mash Island
- Mink Island
- Mistake Harbor
- Mistake Island
- Money Island
- Mud Hole
- Mud Hole Channel
- Mud Hole Point
- Norton Ledge
- Norton Point
- Pond Point
- Popplestone Cove
- Popplestone Ledge
- Red Head
- Saht Cove
- Sand Cove North
- Seal Rock
- Slate I Cove
- Slate Island
- Steele Harbor Island (recently approved)
- The Gows Yard
- The Pond
- Three Falls Harbor
- Three Falls Point
- Upper Herring Cove
- Water Island
- Western Bay

Gulf of Maine

Coast Guard Station No. 4

Names Preceded by are approved. 6/10/48
L. Heck.
NOTES
FOR
HYDROGRAPHIC PARTIES
EASTERN MAINE

TOPOGRAPHIC MANUSCRIPT - SURVEY NO. T-8650

PROJECT NO. CS-272-F

The following places in the shoreline require investigation as they do not check well for position with Chart No. 304:

The shoreline on the northwest portion of Great Wass Island from Folkingham Cove northward and including Slate Island is displaced south approximately 2 mm.

Curlew Rock, an island southeast of Fisherman Island is displaced approximately 2 mm west.

The shoreline around Pond Point appears to have changed considerably. On the west shore it has moved eastward as much as 10 mm.

There are numerous offshore rocks not shown on the map manuscript which require further investigation. These are shown at present on Chart No. 304 (U.S.C.& G.S.) Their approximate positions are as follows:

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</tr>
<tr>
<td>44 29 52</td>
<td>67 33 06</td>
</tr>
<tr>
<td>44 29 05</td>
<td>67 36 22</td>
</tr>
<tr>
<td>44 29 03</td>
<td>67 34 52</td>
</tr>
<tr>
<td>44 29 10</td>
<td>67 34 08</td>
</tr>
<tr>
<td>44 29 15</td>
<td>67 34 06</td>
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<tr>
<td>44 29 16</td>
<td>67 34 10</td>
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<td>44 29 20</td>
<td>67 34 22</td>
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<td>44 29 34</td>
<td>67 34 47</td>
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<td>67 34 44</td>
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<td>44 29 38</td>
<td>67 34 48</td>
</tr>
<tr>
<td>44 29 41</td>
<td>67 34 47</td>
</tr>
<tr>
<td>44 29 59</td>
<td>67 34 09</td>
</tr>
</tbody>
</table>

The attached descriptions of photo hydro stations are for use as hydrographic signal sites.

Respectfully submitted
6 May 1948

Approved and forwarded
May 1948

[Signature]
Thos. E. Reed
Officer in Charge
Baltimore Photogrammetric Office

Henry P. Eichert
Chief
Photogrammetrist
COAST OF MAINE
PROJECT CS-272-F

GREAT WASS ISLAND QUADRANGLE SURVEY NO.T-8650

DESCRIPTIONS OF PHOTO-HYDRO STATIONS TO BE USED AS HYDROGRAPHIC SIGNAL SITES

Edited by Bernadette A. Dew
Engineering Aid (Topo.)

Reviewed by Henry P. Eichert
Photogrammetrist
<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Photo. No.</th>
<th>Height above MHW</th>
</tr>
</thead>
<tbody>
<tr>
<td>5003</td>
<td>6' evergreen at extreme eastern tip of point.</td>
<td>1028</td>
<td>10'</td>
</tr>
<tr>
<td>5007</td>
<td>15' evergreen overhanging rock ledge. Most Western tree on island.</td>
<td>1028</td>
<td>18'</td>
</tr>
<tr>
<td>5008</td>
<td>Center of highest point of rock ledge on largest boulder in vicinity.</td>
<td>992</td>
<td>2'</td>
</tr>
<tr>
<td>5010</td>
<td>Center of highest point of rock ledge on largest boulder. Z</td>
<td>992</td>
<td>2'</td>
</tr>
<tr>
<td>5011</td>
<td>Center of highest point of boulder. 30 meters E. of tree line on tip of point.</td>
<td>992</td>
<td>1'</td>
</tr>
<tr>
<td>5014</td>
<td>10' bushy evergreen. Most easterly tree on point.</td>
<td>992</td>
<td>15'</td>
</tr>
<tr>
<td>5015</td>
<td>20' pine on center of slope. Branches are dead and gray colored.</td>
<td>992</td>
<td>25'</td>
</tr>
<tr>
<td>5016</td>
<td>10' evergreen; largest of only two in near vicinity on edge of rocks.</td>
<td>992</td>
<td>20'</td>
</tr>
<tr>
<td>5017</td>
<td>South gable of shingled bldg. on south side of island on point.</td>
<td>1360</td>
<td>15'</td>
</tr>
<tr>
<td>5021</td>
<td>Center of large clump of evergreens. Only clump in vicinity.</td>
<td>1360</td>
<td>30'</td>
</tr>
<tr>
<td>5024</td>
<td>20' evergreen, standing alone on edge of beach and shore ledge. 5 meters from MHWL.</td>
<td>1358</td>
<td>23'</td>
</tr>
<tr>
<td>5025</td>
<td>25' evergreen at extreme tip of point, overhanging rock ledge.</td>
<td>1360</td>
<td>30'</td>
</tr>
<tr>
<td>5027</td>
<td>35' evergreen at edge of shore. Most western pine.</td>
<td>1029</td>
<td>45'</td>
</tr>
<tr>
<td>5028</td>
<td>Very bushy 15' evergreen. Most westerly and largest pine on point.</td>
<td>1029</td>
<td>20'</td>
</tr>
<tr>
<td>5029</td>
<td>Southwest corner of pier of Great Wass Island Coast Guard Station.</td>
<td>1029</td>
<td></td>
</tr>
<tr>
<td>5031</td>
<td>20' evergreen. 3 meters from MHWL. Only pine in clearing. 22' above MHW.</td>
<td>1029</td>
<td>22'</td>
</tr>
<tr>
<td>No.</td>
<td>Description</td>
<td>Photo No.</td>
<td>Height above MHW</td>
</tr>
<tr>
<td>-----</td>
<td>-----------------------------------------------------------------------------</td>
<td>-----------</td>
<td>-----------------</td>
</tr>
<tr>
<td>5032</td>
<td>Taller and more westerly of two almost identical evergreens.</td>
<td>1029</td>
<td>20'</td>
</tr>
<tr>
<td>5033</td>
<td>15' evergreen on top of highest rock ledge. Largest pine in near vicinity.</td>
<td>1357</td>
<td>30'</td>
</tr>
<tr>
<td>5035</td>
<td>15' evergreen at base of slope and rock ledge. Most SW pine on point.</td>
<td>1030</td>
<td>25'</td>
</tr>
<tr>
<td>5036</td>
<td>West gable of largest house on island. No chimney on house.</td>
<td>1356</td>
<td>25'</td>
</tr>
<tr>
<td>5041</td>
<td>West gable of fishing shack on pier in front of lobster pound in small cove.</td>
<td>1034</td>
<td>18'</td>
</tr>
<tr>
<td>5042</td>
<td>Center of highest point of rock ledge on west shore.</td>
<td>1034</td>
<td>5'</td>
</tr>
<tr>
<td>5043</td>
<td>15' evergreen on point; only pine in vicinity.</td>
<td>1034</td>
<td>20'</td>
</tr>
<tr>
<td>5046</td>
<td>Lone, bushy 10' pine, near edge of water.</td>
<td>1034</td>
<td>12'</td>
</tr>
<tr>
<td>5047</td>
<td>Lone, 20' evergreen, 5 meters from MHWL.</td>
<td>1034</td>
<td>25'</td>
</tr>
<tr>
<td>5048</td>
<td>15' evergreen with odd shaped top. Most westerly pine on island.</td>
<td>1034</td>
<td>17'</td>
</tr>
<tr>
<td>5059</td>
<td>E gable of small tarpaper fishing shack. Center building of three on E shore of island.</td>
<td>1034</td>
<td>12'</td>
</tr>
<tr>
<td>46158</td>
<td>15' evergreen on point. 7 meters east of MHWL. Only tree on point.</td>
<td>1035</td>
<td>19'</td>
</tr>
<tr>
<td>46196</td>
<td>Tallest evergreen in large clump of pines on point. 18' above MHW.</td>
<td>1361</td>
<td>18'</td>
</tr>
<tr>
<td>46195</td>
<td>25' pine at very edge of gravel beach. Only tree near shore in center of clearing.</td>
<td>1361</td>
<td>25'</td>
</tr>
</tbody>
</table>
FIELD EDIT REPORT
TO ACCOMPANY
QUADRANGLE T-8650
AUGUST 1948

46 - METHODS

Field edit of this quadrangle was accomplished in accordance with Field Edit Instructions, dated 24 August 1945, Supplement 1, dated 4 February 1946, and Special Instructions issued just prior to field edit. Actual field work was performed by George E. Varnadoe on sheet 2 and Stanley J. Hathorn on sheet 1, during the period 9 to 16 August 1948.

The entire quadrangle is comprised of islands, reefs and water. All work was done with a launch and skiffs. Plane-table methods were used for determining supplemental elevations and some corrections. Red ink was used to show additions and corrections on the photographs and field edit sheets; violet ink for all supplemental elevations and vertical accuracy tests; and green ink for deletions.

Several additional reefs and rocks that are not shown on the Map Manuscript have been indicated on the Field Edit Sheet, and those that are discernible have been outlined on the photographs. Others are to be located by the Hydrographic Party.

All work shown on the photographs is properly referenced along with the photograph number on the Field Edit Sheet.

47 - ADEQUACY OF THE COMPILATION

The compilation is believed to be adequate with the exception of the delineation of woodland cover (see Field Edit Report for T-8641 par. 47 (1), and a few other minor items corrected by the Field Editors. 

48 - ACCURACY TESTS

Vertical accuracy tests were run on Crumple and Water Islands, and in addition small areas were tested on Browney, Great Wass and Steele Harbor Islands while supplementing elevations established by the Multiplex with elevations determined in accordance with ground methods. Standard plane-table methods were used for this work.

Elevations were established by planeable methods. Lines were started and closed on M.S.L. (5.9 ft above MLW)
Horizontal orientation of the plane-table was accomplished as follows.

At Browney Island. Triangulation station BROWNEY, 1862 to triangulation station THREE FALLS LIFE SAVING STATION CUPOILA, 1913. North arrow for declinatoire established here for sheet no. 2.

At Crumple Island. Triangulation station CRUMPLE, 1862 to triangulation station THREE FALLS LIFE SAVING STATION CUPOILA, 1913. North arrow for declinatoire established here for sheet no. 1.

At Water Island. Three point fix. Triangulation station MOOSE PEAK L. H. 1862 - Photo-Hydro Station 5021 - Photo-Hydro Station 5017.

At Steele Harbor Island. Declinatoire at topo station PETE, 1945

North end of Great Wass Island. Declinatoire at topo feature indicated on field edit sheet no. 2.

At South end of Great Wass Island. Declinatoire at photo-hydro station 5035.

Lines from each of the above stations ended at their respective point of beginning. All closures were less than plotting distance. The M. H. W. L. (± 5.9") was used for vertical control. All lines closed within 0.5'.

The areas tested were proven to be within the required mapping accuracy.

Submitted:
18 August 1948

George E. Varnadore
George E. Varnadore
Topo, Engr.
Addendum to Descriptive Report for T-3650, Project 272F

As reported in item 37 a position for topographic station HEAD, 1946 had not been established. The position for HEAD, 1946 has now been established from data furnished by the Field Edit Party. Form M-2226, Control Station Identification and Form 524, Description of Recoverable Topographic Station are being transmitted with this addendum.

Respectfully submitted:

8 December 1948

Stanley W. Trow,
Cartographer
HISTORY OF DEPTH CURVES

T-8650
Great Wass Island, Maine, Quadrangle

The depth curves originate with the following hydrographic surveys:

H-1060 (1870) 1:10,000
H-1574 (1883-84) 1:10,000

The depth curves are omitted in the southeast portion of this quadrangle, because they are dependent on hydrographic surveys that are not adequate for delineation of twenty-foot depth curves.

R. E. Elkins
R. E. Elkins
March 30, 1949
Depth Curves and Soundings

See attached letter "History of Depth Curves".

Comparison with Existing Surveys

USGS Great Bass Island quadrangle 1:62,500 1921 Repr. 1944
T-1172 1:10,000 1870
T-1501 1:10,000 1882

Common features on all previous surveys are superseded by the map manuscript in common area.

Comparison with Nautical Charts

Chart No. 1201 1:80,000 1941 Corr. 1948
" " 304 1:40,000 1943 Corr. 1948

The position of the MHWL, in areas where the foreshore ledge slopes gradually, is considerably different on the map manuscript from its charted position.

Accuracy Tests:

The vertical accuracy tests made on this quadrangle meet the specifications for the project. This map complies with the national standards of map accuracy requirements.

Overlays

An overlay was prepared showing the border information, road classifications and destinations, triangulation stations, topographic stations, landmarks and aids to navigation and sound elevations that are to be shown by the smooth draftsman.

Application to Nautical Charts

The map manuscript has been partially applied to Chart No. 304.

Reviewed by:

[Signature]
C. Theurer 4-8-49
Division of Photogrammetry
Review Report of
Topographic Map Manuscript T-8650

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

26 Control

The triangulation station "Three Falls Life Saving Station, Cupola, 1913 has been recovered and is shown on the map manuscript. This station is charted as a landmark, "Cupola. The Coast Guard has abandoned the Three Falls Life Saving Station and now operates from Coast Guard Station No. 4 on Mistake Island.

28 Detailing

The approximate position of the submerged cable to Mistake Island was removed from the map manuscript. The shore ends of this cable are shown with an appropriate note.

The symbolization of spot elevations was changed to conform with the latest standards.

31 Low Water and Shallow Lines

See Review Report for T-3647

32 Details Offshore from the LWL

Many offshore rocks and reefs were indicated on the map manuscript by the Nautical Chart Branch during the compilation of the depth curves. These features have been added to the map manuscript with a note to the hydrographer to investigate their position and height. They do not appear on the photographs and were not located by the field inspector. See attached letter "History of Depth Curves" for sources.

34 Landmarks and Aids to Navigation

A Form 567 was prepared and forwarded to the Nautical Chart Branch for Moose Peak Lighthouse. A copy has been made a part of the Descriptive Report.

37 Topographic and Photo-Hydro Stations

Six recoverable topographic stations could not be plotted on the map manuscript because of inadequate photograph coverage and water azimuths. Three of these stations are marked and the Form 524 cards have been retained in the Division of Photogrammetry, General Files, so that they may be located during a future survey. Sufficient control has been established on this quadrangle to meet the project requirements without these stations.
Approved by:

I. V. Griffith  
Chief, Review Section  

M. Edmonston  
Chief, Nautical Chart Branch  
Division of Charts

K. T. Adams  
Chief, Division of Photogrammetry  

W. M. Leaife  
Chief, Div. of Coastal Surveys
Record of Work Subsequent to the Manuscript Review, that is, Smooth Drafting, Checking, and Printing

Manuscript forwarded to the U. S. Geological Survey for smooth drafting and publication.

Color proof furnished by the Geological Survey and examined by

______________________________  ________
Name                        Date

Published by the Geological Survey.