**Form 204**

U. S. COAST AND GEODETIC SURVEY  
DEPARTMENT OF COMMERCE

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Planimetric Air Photographic (shoreline)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td></td>
</tr>
<tr>
<td>Office No.</td>
<td>T-8038</td>
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</table>

**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
<th>Maine</th>
</tr>
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<tbody>
<tr>
<td>General locality</td>
<td>Coast of Maine</td>
</tr>
<tr>
<td>Locality</td>
<td>Orland River, Penobscot River,</td>
</tr>
<tr>
<td></td>
<td>Marsh River</td>
</tr>
<tr>
<td>9 Lens photos</td>
<td>1944</td>
</tr>
<tr>
<td></td>
<td>7/19/44 to 10/20/44</td>
</tr>
</tbody>
</table>

**CHIEF OF PARTY**

Fred L. Peacock

**LIBRARY & ARCHIVES**

DATE: June 2, 1948
Position of Waldo-Hancock Bridge as shown on Map Drawing Survey No. T-8038.

Position of Waldo-Hancock Bridge as shown on Chart No. 311 (traced by use of the Vertical Projector, position approximate.)

SCALE = 1:91,440

Geodetic Datum—NA. 1927
DATA RECORD
MAP DRAWING-SURVEY NO.
T-8038

Quadrangle (II); Bucksport, Me.U.S.G.S. (15' series)
Southeastern Portion
Orland, Me.U.S.G.S. (15' series)
Field Office: Southwest Portion (very small)
Air Photographic Party No. 2

Project No. (II); CS.272 D
Chief of Party; Fred. L. Peacock

Compilation Office: Chief of Party; Fred. L. Peacock
Baltimore Photogrammetric Office

Instructions dated (II III); April 1, 1942 and April 20, 1943
March 18, 1944-28MRC 1990 (Supplemental Instructions)
April 11, 1944-29MRC 1990 (Supplemental Instructions)
Compiled Survey received in office, 10/7/44

Reported to Nautical Chart Section; 10/10/44
Reviewed; 10/20/44

Redrafting Completed; Applied to chart No.

Registered; May 1944

Compilation Scale: 1:9740
Published Scale: 1:10000

Scale Factor (III); 1.02669

Geographic Datum (III); N.A. 1927
Datum Plane (III); Mean Sea Level
Reference Station (III); ERKINE, 1934, 1944

Lat.: 44°32' 02.70" 83.3m. Long.: 68° 48' 55.61" 1227.9m

Unadjusted Field Computation

State Plane Coordinates (VI); East Zone
X = 417,746.27 FT. Y = 255,590.98 FT.

Military Grid Zone (VI)
### PHOTOGRAPHS (III)
Un-mounted

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
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<tbody>
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<td>6875–6876 incl.</td>
<td>10/19/41</td>
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<tr>
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<td>1:10,000</td>
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<td>11:04 a.m.</td>
<td>1:10,000</td>
<td>12.8' above M.L.W.</td>
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</table>

Tide from (III): Tide Tables, Atlantic Ocean, 1941. Reference Station—Portland, Me., with the mean corrections to Fort Point and Bucksport.

Mean Range: 10.3' Fort Point — — — — — Spring Range: 11.8'
Mean Range: 11.0' Bucksport — — — — Spring Range: 12.5'

Camera: (Kind or source) U.S. Coast and Geodetic Survey 9 lens (focal length 81")
All negatives are on file in the Washington Office.

Field Inspection by: Lieut. Dale E. Sturmer date: June & July 1944
Season's Field Inspection Report will be submitted at a later date.

Field Edit by: date:

Date of Mean High-Water Line Location (III): As of photographs taken on 10/19-21/41 supplemented by the field inspection data obtained in 1944.

Projection and Grids ruled by (III) BRC-JT Washington Office date: 6/28/44
" " " checked by MUP-DL Washington Office date: 7/5/44
Control plotted by: W.E. Schmidt and A.C. Rauck, Jr. date: 7/7/44
Control checked by: A.C. Rauck, Jr. date: 7/7/44
Radial Plot by: Michael G. Misulka date: 7/8,9/44

Detailed by: Michael G. Misulka (shoreline-rough draft) date: 7/9-16/44
James E. Sunderland (adjacent interior-rough draft) date: 9/1/44 to 10/4/44

Reviewed in compilation office by: Harry H. Rudolph (shoreline-rough draft) date: 7/17,18/44
Walter E. Schmidt (adjacent interior-rough draft) date: 10/4/44

Elevations on Field Edit Sheet Manuscript (checked) date: 12/12/44
checked by: K.N. Mak
STATISTICS (III)

Land Area (Sq. Statute Miles); 5

Shoreline (More than 200 meters to opposite shore); 25½ statute miles

Shoreline (Less than 200 meters to opposite shore); 5½ statute miles

Number of Recoverable Topographic Stations established; #23

Number of Temporary Hydrographic Stations located by radial plot; 154

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: #Of these, two are Maine State Traverse Stations (also bench marks). They are too far inland to be of any value for hydrographic control.
CONTROL:

The horizontal control within the limits of Survey No. T-8038 consists of 13 stations. Of these, 3 are U. S. Coast and Geodetic Survey triangulation stations, 5 are U. S. Coast and Geodetic Survey triangulation intersection stations, 4 are U. S. Geological Survey marked traverse stations, (including 1 U. S. Coast and Geodetic Survey bench-mark) and 1 is an unmarked U. S. Geological Survey traverse station.

The U. S. Coast and Geodetic Survey triangulation stations and the marked U. S. Geological Survey traverse stations have been shown on the Map Drawing Projection with the conventional triangulation symbol, except where a marked U. S. Geological Survey traverse-station was also a U. S. Coast and Geodetic Survey bench-mark, in which case the bench-mark symbol was shown within the triangulation symbol. The unmarked U. S. Geological Survey traverse station has been shown on the glossy side of the Map Drawing Projection with a small orange ink circle.

The following horizontal control stations lie within the limits of the Survey:

Three U. S. Coast & Geodetic Survey triangulation stations:

ERSKINE, 1934, r.1944 (not used)
MCCLOUDS, 1863 [no recovery in 1944]
SANDY POINT, 1863, r.1944 (not used)

Five U. S. Coast & Geodetic Survey triangulation intersection stations:

(a) ODEMS LEDGE BEACON, 1863, 1934, r.1944 (Fixed Aid to Navigation)
(a) SANDY Pt. EAST CHURCH (CONGREGATIONAL) SPIRE, 1862, r.1944
(a) SPARK'S HOUSE CHIMNEY, 1863, r.1944
(a) WALDO-HANCOCK BRIDGE, W. TOWER, 1934, r.1944 (Landmark)
(a)* WHITMORE'S HOUSE CHIMNEY, 1863, r.1944
26 CONTROL: (Continued)

Four U. S. Geological Survey marked traverse stations:

(a) 1923, r.1944 (also U.S. C. & G.S. benchmark "G 19 1933")
(a) T T 8 PBE 1942, r.1944
(a) TT 9 PBE 1942, r.1944
(a) TT 31 WBE 1942, r.1944

One U. S. Geological Survey unmarked traverse station:

(a)** 1918+ CENTER OF CONCRETE BRIDGE OVER COLSON STREAM

A copy of the "Identification Report" of the horizontal control for the area of Survey No. T-8038, as furnished by the Field Inspection Unit, is submitted.

*Refer to side heading 27 for a discussion of this station.

**Station identified by Baltimore Compilation Office from description furnished by U. S. Geological Survey.

(a) Stations used to determine the positions of the Recoverable Topographic Stations, temporary hydrographic stations, secondary and tertiary points, and photograph centers within the area of the Survey.

27 RADIAL PLOT:

The Map Drawing Projection and the nine lens unmouted photographs for the area of Survey No. T-8038 were prepared in the usual manner. All common secondary points and photograph centers previously established by radial plots for the areas of adjoining surveys were transferred to the Map Drawing Projection.

An individual plot was laid for the area of the Survey by the usual radial method. No templates were used to lay the plot, the photographs being oriented directly under the Map Drawing Projection.
27 RADIAL PLOT: (Continued)

The positions of secondary points and photograph centers, established by the radial plot, considered relatively strong with respect to the identified horizontal control, have been shown on the glossy side of the Map Drawing Projection with small double and large single blue ink circles, respectively, while the relatively weak positions of secondary points and photograph centers have been shown with small double, and large single, green ink circles, respectively.

The control identification was satisfactory. The U. S. Geological Survey unmarked traverse station, "1918+ CENTER OF CONCRETE BRIDGE OVER COLSON STREAM," was identified by the Baltimore Compilation Office and was used to help prove the accuracy of the plot.

The number of photographs and identified horizontal control stations were sufficient to lay the plot.

The error of closure was negligible and no exceptional difficulty was encountered in the adjustment.

All common secondary points and photograph centers previously established on adjoining surveys and all flight lines were satisfactorily "held to" in the plot. All identified horizontal control stations were also satisfactorily "held to" in the plot except the following triangulation intersection stations:

ORLAND CHURCH SPIRE, 1863 - The belfry of a Methodist church was identified as the station by the 1944 Field Inspection Unit. The station could not be "held to" in the radial plot. The radially plotted position of the belfry has been shown on the Map Drawing Projection with a small double red acid ink circle, accompanied by a pertinent note, and is 79.9 meters west of the plotted geographic position of the station. The plot proved that the station which is just outside the northern limits of the survey should be considered lost, based on the fact that it falls in an area void of buildings. The geographic position (no check position) has been deleted from the Map Drawing Projection.
27 RADIAL PLOT: (Continued)

The identification of "WHITMORE'S HOUSE CHIMNEY, 1863, r.1944" by the Field Inspection Unit of 1944, is believed to be incorrect. The station was found to be the southeast chimney on the western section of the house, as proved by the radial plot. For a more detailed discussion of this station refer to the special report on radial plots for the areas of Surveys Nos. T-8014, T-8015, T-8018, T-8019, T-8036, and T-8037, submitted July 26, 1944.

The positions of secondary points and photograph centers established by this plot are believed to be within the limits of satisfactory accuracy.

Remarks

Chamber No. 3 of Photograph No. 6919 is distorted. Double images appear along the chamber's junction with chambers No. 7 and 8. Individual orientation of Chamber No. 3 was necessary.

Side Headings Nos. 26 and 27
Respectfully submitted,
August 15, 1944

Michael G. Misulia
Jr. Topographic Engineer
28. DETAILING:

The shoreline and immediate adjacent planimetric detail appearing on the Map Drawing have been shown in accordance with instructions for Project CS-272 and the field inspection data.

The number and distribution of the photographs were satisfactory for office detailing. The scales of the Map Drawing and the photographs were in good agreement.

The main bodies of water within the area of the Survey are portions of the Marsh, Penobscot, and Orland Rivers, and a portion of the Eastern Channel. The shoreline is, in general, backed by wooded earth bluffs 5 to 50 feet in height.

The radially plotted positions of recoverable topographic stations, temporary hydrographic stations, and tertiary points considered relatively strong, have been shown with small, single, blue ink circles on the glossy side of the Map Drawing, while the relatively weak positions of such points have been shown with small, single, green ink circles.

The original eastern detail limit of the Map Drawing has been extended from Longitude 68° 45' 00" to 68° 44' 15" between Latitude 40° 31' 00" to Latitude 44° 33' 45". This was done in order to include all the shore line detail of that portion of Orland River south of the northern detail limit of the Map Drawing.

The Field Inspection Unit did not classify any of the roads immediately adjacent to the shoreline, except for the Maine State Highway No. 175.

All other roads, shown on the Map Drawing, have been detailed in accordance with examination of nautical charts and quadrangles, and office interpretation of the photographs, covering the area of this Survey.

30. MEAN HIGH-WATER LINE:

The Mean High-Water Line was detailed in accordance with the field inspection data and shown on the Map Drawing with a full heavy-weight black acid ink line. The outer limits of marsh areas, bordering the Mean High-Water Line were also detailed in accordance with the field inspection data, and shown on the Map Drawing with a full light-weight black acid ink line.

There are several grass-in-water areas, bordering the Mean High-Water Line which were visible on the photographs and which were identified by the Field Inspection Unit. This feature has been shown on the Map Drawing with the conventional symbol.
31. **LOW-WATER AND SHOAL LINES:**

The approximate position of the Mean Low-Water Line was detailed in accordance with the field inspection data and shown on the Map Drawing with a dotted black acid ink line accompanied by the note "Approximate position of the Mean Low-Water Line". No definite position of the Mean Low-Water line was recorded in the field inspection data.

The Field Inspection Unit did not submit any data concerning shoal areas for the area of the Survey. Such features were not visible on any of the photographs.

Foreshore features, where noted by the Field Inspection Unit, have been shown on the Map Drawing with the conventional symbols accompanied by pertinent notes.

The approximate outer limits of rocky areas bordering the Mean High-Water Line have been detailed in accordance with the field inspection data (where recorded), examination of nautical charts covering the area of the Survey, and office interpretation of the photographs. The Baltimore Compilation Office believes that the Field Inspection Unit did not distinguish between areas containing large rocks and boulders, and those containing rock ledge. The features have been shown on the Map Drawing with the conventional symbols accompanied by pertinent notes.

In general, the outer limits of mud visible on the photographs closely followed the approximate position of the Mean Low-Water Line.

32. **DETAILS OFFSHORE FROM THE HIGH-WATER LINE:**

The details offshore from the Mean High-Water Line consist of rocks, boulders, piling, fish traps, and a reef. Such features have been detailed in accordance with the field inspection data and shown on the Map Drawing with the conventional symbols accompanied by pertinent notes. The extents to which these features bare at Mean Low or Mean High-Water, have been shown on the Map Drawing by pertinent notes, in accordance with the field inspection data.

33. **WHARVES AND SHORE LINE STRUCTURES:**

The existence of all piers, cribbing, and all other shore line structures appearing on the Map Drawing, have been verified by the Field Inspection Unit.

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

One new landmark, "TOWER" (same as the triangulation intersection station WALDO—HANCOCK BRIDGE W. TOWER, 1924, r. 1944) was recommended for Charting by the Field Inspection Unit. This landmark has been shown on the Map Drawing with the conventional triangulation symbol accompanied by the note "Landmark". Form 567 was submitted on 8/19/44.

One previously charted fixed aid to navigation, "ODOM LEDGE BEACON"
34. LANDMARKS, FIXED AIDS TO NAVIGATION, AND AERONAUTICAL AIDS: (Continued)

(same as the triangulation intersection station ODEMS LEDGE BEACON, 1863, 1934, r.1944) has been shown on the Map Drawing with the conventional triangulation symbol accompanied by the note "Fixed Aid to Navigation". It is recommended that the present charted position of the beacon which appears to be in error on Chart No. 311, be examined and revised as necessary before future reprints of that chart.

No new fixed aids to navigation or aeronautical aids were recommended by the Field Inspection Unit for the area of the Survey.

35. HYDROGRAPHIC CONTROL:

The hydrographic control selected by the Field Inspection Unit, for the area of the Survey, consists of 21 recoverable topographic stations and 154 temporary hydrographic stations. The positions of these stations have been determined by the radial plot and shown on the Map Drawing with 2½ mm. black acid ink circles. The numbers of the temporary hydrographic stations, and the names and numbers of the recoverable topographic stations accompanied by the note "Recoverable Topographic Station" have been lettered on the Map Drawing. The descriptions of all of the hydrographic control stations have been compiled in a list which is attached to this report. Two additional copies of the list were submitted on 8/19/44.

Form 524 was submitted on 8/19/44 for each of the following 21 recoverable hydrographic control stations:

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<thead>
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<th>Number</th>
<th>Name</th>
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<tr>
<td>233</td>
<td>Tower on Coal Pier</td>
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<tr>
<td>530</td>
<td>Northwest Cable White House</td>
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<td>542</td>
<td>West Gable Barn</td>
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<td>552</td>
<td>East Gable Unpainted House</td>
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<td>560</td>
<td>Southerly Gable 2-Story House</td>
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<td>570</td>
<td>West Gable Unpainted Barn</td>
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<td>584</td>
<td>Southeast Gable White House</td>
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<td>590</td>
<td>East Gable Barn</td>
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<td>East Gable Cottage</td>
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<td>613</td>
<td>Northeast Cable Barn</td>
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<td>South Gable Unpainted Barn</td>
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<td>648</td>
<td>South Gable Unpainted House</td>
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<td>654</td>
<td>Waldo-Hancock Bridge, East Tower</td>
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<td>657</td>
<td>West Gable Yellow Cottage</td>
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<td>665</td>
<td>West Gable Unpainted Barn</td>
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<td>670</td>
<td>West Gable Unpainted House</td>
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<td>675</td>
<td>Northwest Gable House</td>
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<tr>
<td>683</td>
<td>East Gable, Tall, White House</td>
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<td>688</td>
<td>North Gable Yellow Cottage</td>
</tr>
<tr>
<td>819</td>
<td>Northeast Corner Bridge</td>
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35-A. ADDITIONAL RECOVERABLE TOPOGRAPHIC STATIONS:

The Field Inspection Unit recovered two Maine State Traverse Stations (also bench marks), Monuments Nos. 222 and 223 which are located within the area of Survey No. T-8038. Since no geographic positions were available for these stations they were determined by the radial plot and shown on the Map Drawing with 2½ mm. black acid ink circles within which the bench mark symbol has been drawn. These symbols are accompanied by the Monument Numbers and elevations. Form 524 is being submitted.

37. JUNCTIONS:

The junctions of shoreline and immediate adjacent planimetric details with Map Drawings, Surveys Nos. T-8037 to the south, and T-8039 to the north, are in agreement.

According to instructions the shoreline and immediate adjacent planimetric detail for the area of Survey No. T-8017 to the west were to be compiled. Within the area of that survey, however, there are no navigable waters (only lakes). A compilation, therefore, is unnecessary. Because of this fact junction of the two map drawings need not be considered.

Survey No. T-8045 is to the east. According to instructions the interior planimetric details of that survey were to be compiled. The area of Survey No. T-8045, however, was not sufficiently covered by photography necessitating a deferment of the compilation of the interior planimetric details. The original eastern detail limit of Map Drawing, Survey No. T-8038 has been extended eastwardly to include that portion of the shoreline and immediate adjacent planimetric detail of the Orland River normally falling within the original western detail limit of Survey No. T-8045. No junction of the two map drawings, therefore, has been considered.

38. GEOGRAPHIC NAMES:

As instructed, no geographic name investigation was submitted by the Field Inspection Unit for the area of the Survey.

The geographic names shown on the Map Drawing were obtained from published data available to this Compilation Office.

An alphabetical list of the geographic names appearing on the Map Drawing is attached to this report.

39. RECOMMENDATIONS FOR FUTURE SURVEYS:

The compilation of Map Drawing Survey No. T-8038 is believed to be complete with respect to all details necessary for charting. The relative positions of the planimetric details are believed to be within the limits of satisfactory accuracy.

40. CABLE CROSSING AREAS:

The cable crossing area, as shown on the Map Drawing with dashed
40. **CABLE CROSSING AREAS:** (Continued)

Red acid ink lines, was taken from Chart 311 which was enlarged to the scale of the Map Drawing by use of the vertical projector.

41. **BRIDGES OVER NAVIGABLE WATERS:**

The only bridge of navigational importance, shown on the Map Drawing, is the Waldo-Hancock Bridge. A list of pertinent notes concerning the bridge has been lettered just outside the extended eastern detail limits of the Map Drawing and is in accordance with the "List of Bridges Over Navigable Waters of the U.S.", revised to July 1, 1941, and compiled by Chief of Engineers, U. S. Army. The Field Inspection Unit did not submit any data pertaining to the bridge.

44. **COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:**


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

The coal pier just southeast of Sandypoint on the west shore of the Penobscot River does not appear on the Quadrangle.

Waldo-Hancock Bridge does not appear on the Quadrangle.

The Mean High-Water Line is more irregular on the Map Drawing.

More piers appear on the Map Drawing.

More roads and buildings appear on the Map Drawing.

The dam at approximately Latitude 44° 31' 35" and Longitude 68° 45' 00" does not appear on the Quadrangle.

No marsh or grass-in-water areas appear on the Quadrangle.

No fish traps or cribbing appear on the Quadrangle.

No fences appear on the Quadrangle.

The Bangor and Aroostook Railroad does not appear on the Quadrangle.


Because of the large differences in scale between the Map Drawing and the Quadrangle, small planimetric details could not be readily compared. The following differences, however, were apparent:
44. **COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:** (Continued)

No grass-in-water or marsh areas appear on the Quadrangle.
No fish traps appear on the Quadrangle.
No fences appear on the Quadrangle.
The shoreline is more irregular on the Map Drawing.
An old pier bedding appears on the Map Drawing.
An old pier now in ruins appears on the Map Drawing.

45. **COMPARISON WITH NAUTICAL CHARTS:**

Chart No. 311, Scale 1:40,000, published at Washington, D.C.
June 1932, reissued June 1938 and corrected to April 13, 1944.

The following differences are apparent:

- No fences appear on the Chart.
- More buildings have been shown on the Map Drawing.
- Only one rock awash appears on the Map Drawing in Mill Cove.
  - Four are charted. No data are available for detailing the other three.
- No piers have been shown on the Map Drawing at approximately:
  - Latitude 44°33′35″ and Longitude 68°45′50″
  - Latitude 44°33′10″ and Longitude 68°44′50″
  - Latitude 44°30′15″ and Longitude 68°48′25″
  - Latitude 44°30′20″ and Longitude 68°48′30″
  - Latitude 44°31′25″ and Longitude 68°48′25″

- No roads have been shown on the Map Drawing at approximately:
  - Latitude 44°30′20″ and Longitude 68°46′30″
  - Latitude 44°31′10″ and Longitude 68°48′30″

- Marsh areas do not appear on the Chart at approximately:
  - Latitude 44°30′30″ and Longitude 68°48′30″
  - Latitude 44°33′15″ and Longitude 68°46′40″

- No spur tracks appear on the Chart in the vicinity of Sandypoint (Village) and at the Coal pier just southeast of Sandypoint.

Road leading to Gondola Cove has been shown on the Map Drawing as a trail.

A road running approximately parallel to the shore line from Gondola Cove to approximately Latitude 44°32′20″ and Longitude 68°48′35″ does not appear on the Chart.

The position of the Waldo-Hancock Bridge appearing on the Chart differs considerably from the position of the bridge as shown on the Map Drawing.

The rock ledge symbol appears on the Chart along both shores.
45. COMPARISON WITH NAUTICAL CHARTS: (Continued)

of the Penobscot River while only the boulder and rock symbols have been shown on the Map Drawing. Refer to Side Heading No. 30 for a discussion of these features.

Ruins of a pier at approximately Latitude 44°33′45″ and Longitude 68°46′10″ do not appear on the chart.  

An old pier bedding at approximately Latitude 44°32′35″ and Longitude 68°44′50″, does not appear on the Chart.

The shoreline appearing on the Map Drawing is more irregular.

No piers appear on the Chart at approximately:
- Latitude 44° 32′20″ and Longitude 68° 46′05″
- Latitude 44° 31′10″ and Longitude 68° 45′40″
- Latitude 44° 30′25″ and Longitude 68° 45′40″
- Latitude 44° 32′35″ and Longitude 68° 48′23″

No boulders appear on the Chart along the east shore of the Orland River.

No cribbing appears on the Chart.
No fish traps appear on the Chart just north of Gross Point on the west shore of the Orland River.

A pier and jetty at approximately Latitude 44°33′05″ and Longitude 68° 45′55″ do not appear on the Chart.

No grass-in-water areas appear on the Chart at approximately:
- Latitude 44° 32′35″ and Longitude 68° 45′10″
- Latitude 44° 33′45″ and Longitude 68° 44′40″

Marsh River, Colson Stream, and the Town of Prospect as shown on the Map Drawing do not appear on the Chart.

A grass-in-water area appearing on the chart at approximately Latitude 44°33′45″ and Longitude 68° 46′30″ has been shown on the Map Drawing as a marsh area.

Offshore rock ledge appears on the chart at approximately
Latitude 44° 32′49″ and Longitude 68° 46′15″.

Only portions of the Bangor and Aroostook Railroad appear on the Map Drawing.

The present charted position of odom Ledge Beacon appears to be in error on Chart No. 311. It is recommended that the position be examined and revised as necessary before future reprinting of that chart.
Respectfully submitted,  
October 3, 1944

James E. Sunderland  
Senior Photogrammetric Aid

and

Michael G. Misulia  
Junior Topographic Engr.

Compilation of shoreline reviewed by:

Harry R. Rudolph  
Senior Photogrammetric Aid

Compilation of Adjacent Detail and Descriptive Report Reviewed by:

Walter E. Schmidt  
Asst. Photogrammetric Engr.

Supervised by:

Walter E. Schmidt  
Asst. Photogrammetric Engr.

Approved and Forwarded  
October 6, 1944

Fred. L. Peacock  
Chief of Party, C & G Survey  
Officer in Charge  
Baltimore Photogrammetric Office
GEOGRAPHIC NAMES

Undisputed

- Colson Stream
- Eastern Channel
- Gondola Cove
- Gross Point
- Marsh River
- Mill Cove
- Odom Ledge
- Orland River
  - Penobscot (Village)
  - Penobscot River
  - Prospect (Village)
  - South Orland (Village)
  - Verona Island
  - Verona Park
  - Waldo-Hancock Bridge

- U.S. No. 1
- State No. 174
- State No. 3 U.S. 1 Alt.
- Ranger 2 Avoca stock

Names preceded by * are approved

GEOGRAPHIC NAMES
L. Heck 9/1/47
GEOGRAPHIC NAMES

Disputed

- Sandypoint (village)  
  Sandy Point
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<td>** **SPIRE, 1862</td>
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<td>** **WHITMORE'S HOUSE CHIMNEY, 1863</td>
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** ** Identification of station proved by radial plot to be incorrect. The southeast chimney on the western section of the house was proved to be the station.

*** *** Station identified by the Baltimore Compilation Office from description furnished by the U.S. Geological Survey

July 24, 1944

Lieutenant Dale E. Sturmer
Coast of Maine  
Survey No. T-8038  
Project No. C.S. 272

Descriptions of Recoverable Topographic Stations and temporary hydrographic stations within the area of Map Drawing Survey No. T-8038

Number of Recoverable Topographic Stations  21
Number of temporary hydrographic stations  154
Total number of stations  175

Listed by:  
Michael G. Misullia

Checked by:  
Mary R. Moore
Small lone black boulder on sand beach east of a white cottage. The boulder is almost in line with the ridge pole.

Round brown boulder southeast of a stump at the High-Water Line and northeast of an oblong brown boulder.

East gable of red building at inshore end of coal pier. Building is large and has ventilators at regular intervals along the ridge pole.

"TOWER ON COAL PIER". Station is top of tower on end of coal pier. (Recoverable Topographic Station)

Top of brown 4' boulder at east end of fish trap that runs about 150' offshore and to the west. Boulder is 1 m. to the south of east end of fish trap.

Top of the southerly of two 6' brown boulders. Boulder lays half-way between old pier cribbing and fish trap.

Top of southwest corner of log cribbing to the south of a smaller one of same kind.

Northwest corner of northerly pier which lays about 10' from southerly pier running out to the west from old shack.

"N.W. GABLE WHITE HOUSE." Station is the N. W. gable of white house on hill. Northwest end of house has 3 windows in end. House has chimney on southeast end of it. (Recoverable Topographic Station)

Top of large white 12' boulder at northwest end of small fish house which is built on High-Water Line.

Top of largest boulder on point. Boulder has a high south end, and it is a grayish colored boulder with black spots on it, top of which is quite flat. North end of it is overhanging.
Highest part of a brown 6' boulder running east and west, about 15' long. Boulder has cracks running through it and an indentation strip running around its middle.

Three foot boulder laying north of a small point that lays about 150 yds. to the south of boulder. Southeast from boulder there is a long flat triangular shaped ledge about 25' long and 1' about 4' high. Ledge runs off bank and points directly to the southwest. Boulder lays on the north side of 6 rocks a little smaller than it. There is a stake driven into ground 7 m. to the eastward of boulder.

Top of 8' grayish colored boulder with highest part to the northwest of it. Small patch of grass to the north-east side of boulder.

Top of high pointed 6' boulder. Directly west of lone 50' pine tree.

Southwest corner of stone cribbing.

Corner of southwest end of retaining wall south from rock dam.

Highest part of a 10' boulder, shaped like a chair with the seat of it facing south and back to the north. This boulder is on top of point that makes out from the cove where the rock dam is.

Pyramidal shaped rock that lies off the northwest tip of point.

Largest offshore boulder in the cove. Grey colored with a sharp point on top.

"W. GABLE BARN". Station is the W. gable of unpainted barn on east side of road. High pointed gable on white house to the northwest with lone chimney. Barn has weather vane on west gable. Barn has red trimming on it. (Recoverable Topographic Station).

Boulder with sharp point on it at head of cove. A smaller boulder just 3 m. southwest of it and quite a few boulders to the south of both of these two. Clump
of birch trees southeast of this boulder right at edge of banking.

544 Large boulder running east and west off of point. Flat north side and flat on the west side of it.

545 Top of 6' boulder in cove that has a smaller boulder laying just southeast of it. Both of these boulders are touching one another. Large trunked oak tree lays 25 m. northwest from boulder. This boulder has a spotted tip on top of it.

546 Top of a flat white topped boulder laying right off from patch of grass on shore line. A dirt bank with a few spruce trees on it lays up on banking.

547 Highest point on a 5' boulder on Verona I. This boulder is of a yellowish brown and is 20 m. east of a high large trunked oak tree.

548 Flat 1' boulder about 20 m. northwest of stone cribbing with a small unpainted shack laying back in the trees of the shore line.

549 Top of a grey 2' boulder on the southerly side of the cove and laying just off from high grass.

550 Low flat brown boulder laying offshore and to the east about 3 m. from a 6' boulder with a 6" crack running through middle of it, horizontally.

551 Top of round 4' rock just south of grassy shore line and just east of an overhanging elm tree that is leaning slightly to the east.

552 "E. GABLE UNPAINTED HOUSE." East gable of unpainted 1 story green roof, 1 chimney house. Aerial on top of house, is attached to a pole. (Recoverable Topographic Station)

553 Inshore end of remains of pier at High-Water Line. Two long poles stuck in both ends of what is left of pier.
554 Top of easterly ledge that lies off of the tip of small point.

555 Easterly of 2 rocks just south of point. Rocks offshore.

556 Point of 5' brown boulder. Boulder west of point and a tall pine tree in the woods south of it.

557 Highest part of rock that shows about 1' above High-Water Line. There is another large rock northeast of rock slightly lower in elevation.

558 Bow of old wreck in extreme neck of cove.

559 Top of brown jagged edged boulder laying just offshore from point of land on east side of cove. Large elm tree on point.

560 "SOUTHERLY GABLE TWO STORY HOUSE." S. Gable of unpainted 2 (two) story house with 3 (three) chimneys. Barn to the southwest of house. House is a T-shaped one. (Recoverable Topographic Station.)

561 Top of pointed dark brown 6' boulder. Boulder lays 3 m. east of large 12' boulder of same color.

562 Twenty-foot spruce with grass on both sides and fallen down shack due west of it.

564 Rock on extreme north end of Island. Brown.

565 West end of flat brown rock laying in grass in water and in northwest corner of grass.

566 Largest black round boulder laying offshore on south tip of island. Another rock is a few meters south of it.

567 Large 6' boulder which dips off sharply on south side.

568 Four-foot boulder on inshore end and on south side of ruins of old pier.

569 Southeast tip of grass on point. Marked with stake.
"W.gable unpainted house." W. gable of unpainted house. Lone pine tree in yard. House has 1 chimney in center and a barn attached which also has 1 chimney. (Recoverable Topographic Station.)

White 3' rock on High-Water Line directly west of house and large unpainted barn. Rock lays between many, but stands out from rest because of its outstanding whiteness.

Fifteen-foot apple tree growing on north end and on the crest of banking on the east side of the cove.

West tip of point where log sticks out of rocks. Point is what remains of old pier.

Round 3' boulder with white streaks running through it. Tall 50' pine tree just 2 m. east of this rock.

Top of 10' brown boulder running north and south. Small white round boulder just to the east on shore line.

Top of 5' boulder on south tip of Verona Island. Brown cottage with red roof on it just to the north end of rock.

Top of large 6' boulder with a top shaped cup fashion. Boulder lays offshore in a southeasterly direction from grassy point.

South gable of small tar papered shack setting on edge of bank, back of a row of trees growing on banking. Shack is in about center of south end of Verona Island.

Center of small ditch at grass line on the west side of small cove making up on the southerly end of the island.

Top of peaked brown boulder on the westerly side of cove. Boulder lays west from a black boulder about 15 m.

Top of a 4' yellow boulder with quartz in it that lays about 5 m. south of grass line on south shoreline of Verona Island. Boulder is about 10' long running east and west and is the largest one in vicinity and only one of its kind.

Largest gray boulder at east side at head of cove.
Dark brown 6' boulder lays on west side of small point of rocks making out to the southeast from island. There is a small patch of grass to the southwest end of this rock about 10 m.

"S. E. GABLE WHITE HOUSE." S. E. gable of white T-shaped house with an unpainted barn to the south of house. House has green trimmings and a sloping lawn to the eastward of it. (Recoverable Topographic Station).

Top of round white boulder with white streak running through it. Boulder is just off the grass line and is about on the High-Water Line. Two 60' pine trees just to the west of boulder.

Top of 5' brown boulder with a small peaked top. Boulder lays but a couple of meters off grass line and has a 50' leaning birch tree to the westward of it about 15 m.

Brown boulder that drops off sharply on southeast side and is just to the northwest of a large flat jagged edged boulder covered with seaweed.

Reddish brown boulder that leans to the westward and is split right in middle. The split is about 8". A 3' boulder is 1 m. southeast of this boulder.

Northeast corner of old wooden pier that is in ruins. A long wooden shack with broken in roof and sides is in middle of pier.

"E. GABLE BARN". E. gable of barn with radio aerial on it. There is a house attached to the barn and a small tar papered house south of barn. (Recoverable Topographic Station.)

White boulder which the top of sticks up in air on the south end. A 60' pine tree directly to the west of boulder. This is the only pine tree in the vicinity of this boulder.

Top of 3' boulder with strip running through top. Directly to the northeast about 20 m. there is a
(Continued)
dirt bank with a 50' elm tree growing on top of crest in bank.

Top of 3' white boulder with sharp point on top. Boulder lays about 10 m. southeast from a 70' elm tree.

Top of flat topped 6' white boulder that has smaller rock on southeast side holding it up. A larger boulder to the westward of it embedded in banking.

"E. GABLE WHITE HOUSE." E. gable of white house that can be seen through trees on east side of island. House has a lawn on the east side and two apple trees by it. There is a stone wall running along front of yard. (Recoverable Topographic Station)

Largest of three white topped boulders that are strung along at intervals of about 20 m. The northerly boulder is the signal.

Top of brown boulder that is about 4' high and is to the southwest of boulder with pointed top.

Flat topped boulder on High-Water Line that is on point making out to the northeast from Gross Point. Pile of rocks at base of small incline to the west of this rock.

Small 4' bush on point adjacent to Gross Point. A lot of bricks lying on the shore about 60 m. to the northeast of bush. This bush was on a grassy patch of land.

Top of 12' white and black boulder laying on point of grass making out from main bank to the northeastward. Boulder is largest in the vicinity.

Top of 5' boulder on the south bank of mud flats. This boulder is directly north of another boulder not quite so large that is about 1' from it.

Small 30' birch tree at High-Water Line. A 40' pine tree is to the west of tree. Birch tree is blazed and has a fork growing out of it about half-way up its trunk.
West tip of grass at foot of ditch into bight.

Top of 6' brown boulder on north side of rocky point. Boulder lays on grass line.

"E. GABLE COTTAGE". E. gable of brown 1½ story cottage with green roof. Cottage lies on about a 20' knoll and in front of which there are quite a few large trees. (Recoverable Topographic Station)

Top of 4' boulder under large oak tree growing out from bank that is 12 m. to the west of boulder.

Top of 4' flat large brown boulder that lies directly southeast from a 50' spruce tree. There is a 7' boulder with a pointed top just 17 m. to the north of boulder.

Large 6' boulder that runs east and west about 15' and there is a large patch of grass to the north of it. Boulder is largest in vicinity.

South tip of grass running out between sandy strip of beach and point of land.

Northeast tip of brush directly east of high spruce and pine trees.

Northeast tip of grass on point making out from east side of island. Old fish trap off to the east on other side of channel.

East tip of brush near head of small cove.

"N. E. GABLE OF BARN". N. E. gable of northeasterly barn. Barns are unpainted and lay inshore by trees and shrubbery. (Recoverable Topographic Station.)

Top of 3' white boulder that lays approximately 20 m. north of a large 60' pine tree.

End of rock pile at end of High-Water Line.

Dead birch tree 20 m. north of cribbing.

Largest of black boulders on westerly side of channel. There is a hill with clearing on it just to the south of boulder.
West gable of yellow house on west side of main road. House has mme chimney in center of roof and a large unpainted barn to the rear of it.

Flat top gray boulder about halfway between two large boulders to the northeast of culvert about 75 m.

Birch tree with 2 trunks about on High-Water Line on west side of small cove.

Boulder with knife edge on it. Lays directly off point.

Large gray boulder with a rough round point on top of it. Boulder is on point where there are quite a lot of smaller boulders.

Southwest corner of old pier making out from old brick yard. Pier has an old shack that is fallen down on it.

Top of large flat black and white rock directly to the east of a dead spruce tree. This boulder is surrounded by a lot of smaller ones.

Large white boulder by grass line of shore about 1 m. east of a patch of grass-in-water at High-Water.

Top of 3' spotted boulder with a flat boulder of same color to the north of it.

Top of largest boulder in vicinity. A bunch of smaller rocks to the southeast of it.

Large white grayish boulder with a crack in it running entire length of it.

Sharp pointed white boulder off point that has two high pine trees on it.

"S. GABLE UNPAINTED BARN." S. gable of unpainted barn that is up off shore line several hundred feet and has a small white house to the northeast of it. (Recoverable Topographic Station.)

Southwest corner of pier in ruins. In vicinity of high pine trees.
643 Top of large gray boulder with high part on east end of it. Lays just off shore from bank that large pine trees are growing on.

644 Black and white round boulder on High-Water Line and also on bush line.

645 Base of 8' lone cedar tree at grass line on west side of very small clearing. A close group of 20' cedars is southeast of it. A double cedar about 2' tall and somewhat bushy is at the grass line approximately 20 m. south of it.

646 Southwest corner of cribbing with small shack at its head.

647 Boulder with white strip running through it embedded in banking that is just to the north side of pier where there are two houses at base of pier.

648 "S. GABLE UNPAINTED HOUSE." S. gable of unpainted house with one chimney on it. A hen house is about 50' to the south of house. (Recoverable Topographic Station)

653 Base of a 50' birch tree that grows on the base of a flat ledge and leans out at a slight angle pointing to the northwest. Base of tree is marked with a blaze.

654 "WALDO-HANCOCK BRIDGE E. TOWER." Base of flagpole at top of east tower of "Waldo-Hancock" bridge. (Recoverable Topographic Station.)

655 Top of large 6' granite boulder at south side of brook.

656 Top of large gray boulder with a split on top of it. Boulder is 6' and 15 m. northwest of two pole structures.

657 "W. GABLE YELLOW COTTAGE." W. gable of yellow cottage. Cottage has stone wall in front. (Recoverable Topographic Station.)

658 Southwest corner of stone fill at Mean High-Water Line.
Top of large 8' boulder that lays southwest of "The Pines" cottage.

Thirty-foot spruce tree that grows on the top of a 12' ledge that makes off to the southwest from line of trees on banking. South of this tree and ledge about 6 m. there is a very white and round small rock.

Reddish brown 3' boulder that lies about 3 m. off shore line and has a cluster of pine trees to the east of it.

Top of a 3' brown boulder. Large birch tree to the southeast of boulder at edge of woods and bushes to the east of boulder. Smaller boulder to the northeast of boulder.

Top of large 8' round white boulder. There is a dead birch tree to the south of boulder and a 30' spruce tree to the southeast of it. A clearing in woods runs back about 50 yards from boulder to the east.

Top of 6' round brown boulder in the bight. Boulder lays to the west of unpainted barn way back in the woods.

"W. GABLE UNPAINTED BARN". W. gable of unpainted barn with a house to the north of it. Barn has 3 windows in the east end. (Recoverable Topographic Station.)

West tip of grass at location of old pier.

Top of large 7' high boulder that lays off west end of pile of rocks. Boulder runs northeast and northwest. About 10' long.

Top of flat brown 2' boulder just 1 m. to the west of a white boulder that is same size. Cottage to the east of it named, "Sunset Lodge."

Top of a white boulder on shore line of a muddy stretch of shore. Boulder is on the southeast corner of muddy stretch.
"W. GABLE UNPAINTED HOUSE." W. gable of unpainted house with one chimney. Barn attached to house. Barn also unpainted. (Recoverable Topographic Station.)

Southwest tip of brush at inshore end of ledge.

Top of dome shaped rock that is 3' high and is west of a large dead tree.

Three-foot sharp pointed boulder that is white and is near the north end of a long bare banking that runs nearly north and south for several hundred feet.

Top of a flat rounded top boulder that lays to the west of a patch of clearing in woods and to the east of a very large brown boulder.

"N. W. GABLE HOUSE." N. W. gable of a long white house with two chimneys and a small garage with green roof to the north of house. Large open field to the northwest of buildings. House has a flagpole between house and garage. (Recoverable Topographic Station.)

North gable of small shack that lays to the south, several yards from the head of old stone pier.

Top of round 3' black boulder which is south about 30 m. from two larger boulders.

Top of 2' boulder that has a black 4' boulder southwest of it about 40'.

The top of a 2' white rock that has a small white boulder to the north of it about 1 m. A bare banking to the east a few yards. Has a large birch tree leaning to the north about 30 m. northeast of rock.

Top center of very small house that is on the beach north of coal shed.

Top of long boulder that lays in sandy point and is off by itself on the south side of a small cove that has bar of sand running by it.

Southeast gable of unpainted cottage with red roof and a flagpole to the west of the cottage.
"E. GABLE TALL, WHITE HOUSE." E. gable of tall white house with chimney in center. House has 7 windows in east end of it. House sets in among two other houses. (Recoverable Topographic Station.)

Top of 5' boulder with sharp drop on north end.

Small white boulder that sets upon a dark ledge. This little boulder is near the southeast tip of grass.

Highest point north of saddle in a long ledge running north from mainland. To the west of this ledge there is a little cove making in.

Top of a 5' white boulder that lays about 5 m. off of the shore line and is directly east of a large birch tree about 20 m.

"N. GABLE YELLOW COTTAGE." N. gable of lone yellow cottage on point. Two 60' pine trees are on the north side of cottage which is called, "Gondola Camp." (Recoverable Topographic Station.)

Largest boulder in bight of cove 13 m. from High-Water Line.

South gable of white house with dormer in center of house. A barn extends from rear of house (east side). House has one chimney in center.

Six-foot leaning boulder with scaley sides and approximately 20 m. off of a broken off tree. Boulder is about 10' from a ledge making out from banking.

Small white rock that lies 2' from a gray rock a little larger and to the southwest of it.

Small 2' boulder between 2 prominent ledges upon one of which there is a very crooked maple tree. Directly to the west of this boulder there is another one quite a lot larger and covered with seaweed.

Large 6' boulder with very white top on brush line of rounding point.
South gable of unpainted cottage with small window near top of roof. House in brush behind trees.

Top of a 2' white boulder in bight of cove. A fairly large patch of grass to the east of boulder.

Fireplace on inshore end of old pier bedding.

File of rocks on southeast corner of old pier.

Top of 5' yellow boulder on rocky shore about 20' from brush line, 12 m. from Mean High-Water Line off shore.

Top of sharp pointed boulder which lays to the south about 35 m. from a ledge with a tree growing on its side. Ledge makes down into water.

Southeast tip of ledge at High-Water Line. It is to the northeast of a 12' pole stuck perpendicularly in side of ledge.

Triangular shaped yellow brown boulder that is about 10' long running east and west and lays right at base of ledge that makes off of banking.

Base of dead 50' spruce tree on west bank of stream. Spruce tree leans and points east.

Center of ditch at grass line on east side of stream.

Southwest tip of grass on east side of stream by an extra large pine tree.

Northwest tip of grass on the west side of stream making out into large stream.

Tip of grass running down to rock that is at end of it and is on west side of stream.

South tip of grass on point at forks.

Northeast corner of grass on the south side of ditch running out in large stream.
817 Center of ditch on west side of stream at grass line.
818 Southwesterly of three large boulders in middle of stream.
819 "N. E. CORNER BRIDGE." The N. E. corner of bridge on eastern branch of Marsh River. (Recoverable Topographic Station.)
Paragraph numbers in this review refer to paragraph numbers used in the descriptive report.


The field inspection did not state the character of the foreshore in detail, and it has not been possible to distinguish between rock ledge and rock and boulders. The approximate low water line is shown and the foreshore areas characterized as much as possible from the limited field inspection data. However, this characterization depends to a great extent on office interpretation and is not considered as superseding the characterization or rock ledge as shown on the older surveys.

Except for the characterization of foreshore areas, the manuscript was complete as received from the photogrammetric office and no changes have been made during the review.

44. Comparison with Previous Topographic Maps and Surveys.

The map manuscript was compared with the following topographic quadrangles:

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<th>Scale</th>
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<tr>
<td>U.S.E. Orland, Me.</td>
<td>1:62,500</td>
<td>1940</td>
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Refer to Descriptive Report for T-8038 for comparison with the U.S.G.S. quadrangles. The U.S.E. quadrangles were in fair agreement. Items such as fences, fish traps, cribbing and marsh or grass-in-water areas were not shown on the U.S.E. quadrangles. Shoreline irregularities are not as detailed on the U.S.E. quadrangles as on the manuscript.

The map manuscript was compared with the following surveys made by the U.S.C.& G.S. and they are superseded in all common areas:

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<th>Scale</th>
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<td>T-1357a</td>
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<td>T-1329</td>
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45. Comparison with Nautical Charts.

This survey has not been applied to nautical charts at the date of this review.

The differences between Chart No. 311, corrected to April 13, 1944, and the manuscript have been itemized in the Descriptive Report for T-8038. Of the differences listed in the Descriptive Report, the following have been brought into agreement with the map manuscript during revisions of Chart 311 after April 13, 1944:

- The position of the Waldo-Hancock Bridge.
- Ruins of a pier at approximately latitude 44° 33' 45" and longitude 68° 46' 10".
- The charted position of Odom Ledge Beacon.

Reviewed by:  
Reviewed under direction of:

K.W. Malin  
Photogrammist

S. Griffin
Chief, Review Section

APPROVED:

Bajorek 5/48  
Technical Assistant to the Chief, Div. of Photogrammetry

Chief, Nautical Chart Branch Division of Charts

K.T. Adams  
Chief, Div. of Photogrammetry

L.K. Green  
Chief, Div. of Coastal Surveys