

8507

D.C.No. 1204

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photographic Topo.

Field No. CS-303-B Office No. T-8507

LOCALITY

State Maine

General locality Casco Bay

Locality Yarmouth

1943-'44

CHIEF OF PARTY

F.L. Peacock

LIBRARY & ARCHIVES

DATE June 2, 1949

8-1870-1 (1)

8507

DATA RECORD

T-8507

Quadrangle (II):

Yarmouth 7 $\frac{1}{2}$ Quadrangle

Project No. (II):

CS-393-B

Field Office:

Sanford, Maine

Chief of Party:

F. L. Gallen

Compilation Office:

Baltimore, Maryland

Chief of Party:

Fred. L. Peacock

Instructions dated (II III):

Division of
Copy filed in Descriptive
Report No. T-1 (VI)
Photogrammetry Office Files

Completed survey received in office; 29 Mar. 1944

Reported to Nautical Chart Section:

Reviewed: 5/13/44 *J. K. H.* Applied to chart No. 3201 Date: Jan to Apr 1945
201
315

Redrafting Completed; 31 May 1944

Registered: 12 Oct 1945

Published: May 1945

Compilation Scale: 1:20,000

Published Scale: 1:25000

Scale Factor (III): None

Geographic Datum (III): N. A. 1927

Datum Plane (III): Mean Sea Level

Reference Station (III): THOMAS, 1933

Lat.: 43° 46' 42.726" ^m 1318.7 Long.: 70° 11' 08.819" 197.2 m Adjusted
(-355.1) (114.6) Unadjusted

State Plane Coordinates (VI): Maine West Zone (did not show on map)

x = 494,951.00 ft.

y = 344,507.73 ft

Military Grid Zone (VI) "A"

also special 1000 yd Harbor Defense Grid "Portsmouth, Portland" area.

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
13671	4-18-43	11:40 A.M.	1:20,000	8.25 ft. above M.L.W.
13672 - 13674, Incl.	4-18-43	11:43 A.M.	1:20,000	8.2 ft. above M.L.W.
13677 - 13679 "	4-18-43	11:50 A.M.	1:20,000	8.1 ft. above M.L.W.
13690 - 13694 "	4-18-43	12:01 P.M.	1:20,000	7.9 ft. above M.L.W.
13680 - 13681 "	4-18-43	12:01 P.M.	1:20,000	7.9 ft. above M.L.W.

Tide from (III): Predicted tables of tides, reference station Portland, Me., with corrections for So. Freeport, Me.
 Mean Range: 9.0 ft. Spring Range: 10.3 ft.

Camera: (Kind or source)

U. S. Coast & Geodetic Survey nine lens camera (focal length $8\frac{1}{4}$ inches)

Field Inspection by:

date: Summer, 1943

Marvin C. Jenkins, Morris W. Burr, W. W. Doeringsfield, Jr., W. M. Reynolds

Field Edit by: Morris W. Burr

date: Summer, 1943

L. G. Chambers

April, 1944

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

Projection and Grids ruled by (III) Washington Office

date: September 1943

" " " checked by: Washington Office

date: September 1943

Control plotted by: Hulda K. Sellingsloh

date: October 20, 1943

Control checked by: Henry P. Eiehart

date: October 22, 1943

Radial Plot by: Harold Brooks

date: January 1, 1944

Detailed by: M. Eleanor Herzog

date: 1/27/44 to 3/26/44

Reviewed in compilation office by: William H. VanLeon

date: 3/6/44 - 3/26/44

Elevations on Field Edit Sheet
 checked by:

L. G. Chambers

date: April, 1944

STATISTICS (III)

Land Area (Sq. Statute Miles): 55.2 sq. statute miles

Shoreline (More than 200 meters to opposite shore): 24.0 statute miles

Shoreline (Less than 200 meters to opposite shore): 19.3 statute miles (center line of stream only)

Number of Recoverable Topographic Stations established: None

Number of Temporary Hydrographic Stations located by radial plot: None

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;

General Statement to Accompany Descriptive Report T-8507

The map manuscript for T-8507 was compiled in the Baltimore Photogrammetric Office from nine-lens photographs, scale 1:20,000 taken in 1943 and from a section of the U. S. Geological Survey fifteen minute quadrangles, Freeport, Maine, 1941. The planimetry on the U.S.G.S. quadrangle was compiled by photogrammetric methods scale approximately 1:32,000. The contours were added by plane-table at a 1:48,000 field scale.

The steps in the delineation of manuscript T-8507 were as follows:

1. The Geological Survey contoured sheet was enlarged to a 1:20,000 scale and was sent to the Field Inspection Party for checking of the contours along with field prints of the nine-lens 1:20,000 scale photographs.

2. The C. & G. S. had recent 1:10,000 scale maps covering part of the area of T-8507. These were T-5961 (shoreline) and T-5962 (planimetric) compiled in 1942 from 1:10,000 scale photographs taken in 1941. These 1:10,000 scale surveys were reduced to 1:20,000 and field edited.

3. A radial plot, using the nine-lens 1:20,000 scale photographs, was made by the Baltimore Office and planimetry including shoreline was delineated from these photographs.

4. The field-edited reductions of T-5961 and T-5962 were used to check the delineation of the shoreline, compiled from the nine-lens 1:20,000 scale photographs, and to supply the offshore detail.

5. Contours from the Geological Survey map were transferred to T-8507, holding to the planimetry.

6. Field edit, by L. G. Chambers in April 1944, included investigation of discrepancies and corrections and additions to drainage and contours.

7. Reviewed, by Jack L. Rihn in May 1944, in the Washington Office.

H. R. Brooks,
26 May 1949

General Procedure in the Production of Topographic Quadrangles for the War Department

This quadrangle, together with similar adjoining maps produced under Project C.S.3032, was prepared by the Coast and Geodetic Survey for the War Department under "General Specifications for War Department Mapping Program" issued about December 1941, in which is incorporated the "Standard of Accuracy for a National Map Production Program" issued by the Bureau of the Budget under date of June 10, 1941.

The general procedure in the production of this and the adjoining quadrangles was:

PREPARATION OF BASE MAPS

Assembly into quadrangle base sheets by photographic means of previously produced planimetric (7-5961) maps of the area. These maps were compiled by this Bureau from aerial photographs taken in 1941 and were published in 1945 on the scale of Lithographic prints of the quadrangle base sheets on cloth-mounted paper were furnished to the field parties and similar prints in red ink on celluloid sheets were furnished to the compilation office.

FIELD SURVEYS

Aerial photography with the Coast and Geodetic Survey nine-lens camera, with airplane and flight crew furnished by the U. S. Coast Guard. The photographs were taken to the scale of 1:20,000.

Ground inspection of the photographs for identification of control points, and classification and clarification of planimetric details on the photographs. The field parties were permitted to make field inspection notes either on the photographs or on the planimetric base sheet.

Contouring by planetable, directly on the photographs or on the planimetric base sheet at the option of the field party. The contouring for this quadrangle was done on the

Supplementary vertical control was established by means of an extensive subordinate level net, furnishing unmarked elevations at road intersections, driveways, and numerous other points identifiable on the photographs.

COMPILATION OF MANUSCRIPT

Revision of the planimetric base map from the new photographs and addition of contours and corrections obtained by the field parties. No radial plot was made for this work.

FIELD EDIT

Comparison of a copy of the corrected manuscript with the ground. This included inspection for completeness and accuracy as well as the location by planetable methods of additional details, checking of nautical and aeronautical aids to navigation, etc.

Accuracy Tests - Application of systematic horizontal and vertical accuracy tests to check the maps for conformity with the specifications. These tests consisted of comparison of the map position and elevation of selected random points with the true position and elevation as independently determined by standard survey methods.

PROCESSING IN THE WASHINGTON OFFICE

Review - Examination of the manuscript for accuracy and completeness of compilation and compliance with specifications, correcting where necessary; addition of military and state grids and other special features; and verification of the general adequacy of the manuscript as a basis for the production of a finished map.

Drafting and Reproduction - Preparation of smooth color separation drawings on 1:20,000 scale on metal-mounted "blue-line" copies of the manuscript. From these drawings, negatives and printing plates were prepared for reproduction of the finished map on the scale of 1:31,680 or 1:25,000.

inspection
FIELD ~~EDIT~~ REPORT
QUADRANGLE T-8507
Project CS-303-B
F. L. Gallen, Chief of Party

Field Inspection
2. COMPLETENESS OF ~~FIELD EDIT~~:

inspection
The field ~~edit~~ on this quadrangle is believed to be complete. All roads and buildings to be shown have been classified and inked in wherever they were obscured. Wooded areas have been classified according to instructions. Low ground and swampy area were designated.

6. See report for T-8505.

15. See report for T-8505.

16. BUILDINGS:

All buildings to be shown on the compilation have been circled and labeled except houses or dwellings which were circled only. In the village of Yarmouth the public buildings were numbered, and an index with corresponding names was inked on the edge of the photograph.

17. BOUNDARY MONUMENTS AND LINES:

Some town line monuments were located and picked on the photos. They appeared to check well with the lines shown on the compilation.

18. GEOGRAPHIC NAMES:

Geographic names are the subject of a special report on this project by A. J. Wright. *WJ*

46. METHODS:

inspection
The field ~~edit~~ was done on U S C & G S nine-lens photographs by visual inspection in the field. Inking was done in the office. All items and features are shown in red except the public buildings in Yarmouth were inked in black and green, and the drainage which was inked in blue.

Geological Survey
47. ACCURACY OF THE ~~COMPILATION~~:

No barns were shown and numerous buildings were omitted. A number of trails were omitted. Several roads were shown as being too straight. Numerous small curves were omitted entirely. All of drainage was too generalized and no intermittent drainage was shown.

48. See report for T-8505.

Approved and forwarded by:

F. L. Gallen
F. L. Gallen
Chief of Party

Submitted by:

Morris W. Burr
Morris W. Burr
Sr. Photo. Aid

WOODS AND BRUSH

TYPE

D	Deciduous
E	Evergreen
Oy	Cypress

CONCEALMENT

Z	Trees 10 feet or more in height, and thick enough when in foliage to conceal troop and vehicles.
Y	Brush and undergrowth thick enough to impede foot troops and conceal troops lying down.
X	Scattered trees not thick enough to conceal troops.
W	Scattered brush not thick enough to conceal troops.

PHYSICAL FEATURES

HO	Higher ground - usually appears in light tone on photograph; either wooded or cultivated area; may be scrub trees or brush. (usually not symbolized on photographs.)
LG	Low areas - generally appears dark on photograph becomes swampy during rainy season; often covered with dense growth of brush.
SW	Swamp - ground covered with water or boggy most of the time; lower in elevation than LG; wooded and/or brush.
M	Salt marshes

NOTE: The above areas are not outlined but sufficient notes are made on each photograph so that the variation in tones can be correctly interpreted in the office.

ROAD CLASSIFICATION FOR MAPS OF ALL SCALES

CLASS	NAME	STRUCTURE	LOADING
1	Dependable hard-surface heavy-duty road.	Concrete, asphaltic concrete, bituminous macadam, H-15 type structures.	Will bear heaviest loads with little maintenance.
2	Secondary, hard-surface all-weather road.	Surface-graded, oil- or gravel, waterbound macadam, structures generally lighter than H-15 but sturdy.	Will bear fairly heavy military loads in all weather if maintained.
3	Stone-surface graded, dry-weather road.	Gravel or stone surface stable material, selected sand-clay, etc. drained and graded.	Will bear light military loads in good weather.
4	Unimproved road	Graded and drained earth, with very light structures.	Generally unsuitable for military loads.
4A	Truck road	Wooded roads, farm roads, etc. over which a standard large vehicle can be driven.	
5	Trail	(Horse trails, foot trails, etc.)	

Roads with more than two (2) lanes are indicated by wavy lines along road, e. g., 3 LANE. Change in lanes shown by tick at point of change. Main roads have two lanes unless otherwise noted.

Private roads are designated by the letter P after the road classification.

BUILDINGS

b - barn
Bldg - Building
Bo Ho - Boat House
Ch - Church (give name)
Ct Ho - Court House (give name)
P.O. - Post Office (give name)
Sch - School (give name)
Hos - Hospital (give name)
RR Sta - Railroad Station
Sto - Country store or gas station
P Sta - Power Station

BOUNDARIES

BDY - Boundary
F B - Fire Break
HDG - Hedge
Park - Park
Cam - Cemetery
Co - County

LANDMARKS

FT - Fire Tower (give name)
TT - Transmission Tower
RT - Radio Tower or mast
Air Bn - Airway Beacon
Bn - Non-lighted aid to navigation
Lt - Lighted aid to navigation
Tk - Low tank
Tk elev - Tank elevated on structure
Stk - Stack

GENERAL

X - delete; except where it
pertains to elevations.
Use only the abbrev. listed
on this page. Do not make
up abbreviations.

SHORE LINE

MHL - Mean high water; fast land
LWL - Low water line
LL - Marsh shore line
M - Marsh
MG - Marsh grass in water
Dk - Dock
Pier - Pier
Sea W - Sea Wall
Bkhd - Bulkhead
Jet - Jetty
Dol - Dolphin
Pile - Pile
S - Sand
Mud - Mud
Rk - Rock or Rocky
Sty - Stony
Coke - Concrete
Wo - Wood
Blf - Bluff
Dune - Dune

STREAMS AND PONDS

D - Largest ditches only
DX - Small ditch (delete)
IS - Intermittent stream
PD - Probable drainage
Cr - Creek
Ca - Canal
Cv - Culvert
Lev - Levee
Dam - Dam
P - Pond
IP - Intermittent pond

VEGETATION

Gr - Grass
Sw - Swamp
Cy Sw - Cypress Swamp

BRIDGE AND TUNNEL CLASSIFICATION

First Symbol

Use Load

Unlimited

Capacity

A
B
C
D
E
F

50 tons
25 tons
15 tons
10 tons
6 tons
Light vehicles only

25 tons
18 tons
15 tons
7 tons
4 tons

Second Symbol

Vertical Clearance

A - over 14 feet
B - over 13 feet
C - over 12 feet
D - over 11 feet, etc.

Third Symbol

Horizontal Clearance

A - over 15 feet
B - over 17 feet
C - over 19 feet
D - over 21 feet, etc.

Fourth Symbol - Year of Classification

26 CONTROL:

on published map

When establishing photograph centers, secondary, and detail points for this Map Manuscript, thirty-four horizontal control stations, recovered and identified by the Field Inspection Party, were used. Eleven of these stations fall within the limits of this seven and one half minute quadrangle.

- YARMOUTH FOREST PAPER MILLS BRICK STACK, 1933
- YARMOUTH MEMORIAL HALL SPIRE 1854-1933
- YARMOUTH WATER TANK 1933
- YARMOUTH CENTRAL UNIVERSALIST CHURCH SPIRE 1933
- THOMAS 1933, *BM*
- BROWN 1941 (U.S.G.S.) *1541 (TT 44 BT 1940) (U.S.G.S.) BM*
- 1652 (U.S.G.S.) *1520 (TT 45 BT 1940) (U.S.G.S.)*
- 1076 (U.S.G.S.) *Staples, 1933*
- 1450 (U.S.G.S.) *Yarmouth, First Cong. Ch. Spire, 1933*
- 1063 (TT 34 BT 1940) (U.S.G.S.) *BM*
- 1080 (TT 35 BT 1940) (U.S.G.S.) *BM*

Plotted at time of review

The Field Inspection Party established a field inspection station at a well-defined point near the triangulation station THOMAS 1933. This assured accurate pricking of this horizontal control station. F.I.P. THOMAS 1933 is shown on the reverse side of this Map Manuscript by a small circle of orange ink.

Twenty-three horizontal control stations fall just outside the limits of this Map Manuscript. They are:

- BRADBURY 2, 1933, r. 1934
- TRAVERSE STATION 58 (U.S.G.S.)
- 1103 (TT 36 BT 1940) (U.S.G.S.)
- TT 43 BT 1940 (U.S.G.S.)
- FALMOUTH STANDPIPE 1933
- GREAT CHERBAG IR. CH. BLFRY. 1933
- UPPER GREEN 1933
- WOLF 1941
- WESTON 1941
- BARTOL IS. FLAGPOLE
- 1636 (U.S.G.S.)
- 1643+ (U.S.G.S.)
- 1054+ (U.S.G.S.)
- 1057+ (U.S.G.S.)
- 1066+ (U.S.G.S.)
- 1067 (U.S.G.S.)
- 1071+ (U.S.G.S.)
- 1085+ (U.S.G.S.)
- 1093 (U.S.G.S.)
- 1095+ (U.S.G.S.)
- 1561 (U.S.G.S.)
- 1558 (U.S.G.S.)
- 1587+ (U.S.G.S.)

26 CONTROL: (Cont'd.)

In addition to the above horizontal control stations, the Compilation Office was furnished the geographic positions and identified locations of Horizontal Accuracy Test Traverse No. 8. The majority of the Test Traverse points are within the area of this Map Manuscript and were used as supplementary horizontal control. Traverse Test Points Nos. T-2, T-5, T-9, T-10, T-11, T-12, T-14, T-15, T-16, T-17, T-18, T-19, T-22, T-23, T-24, T-25, T-26, and T-27 were within the limits of this 7½ minute quadrangle and Nos. T-1 and T-4 were just outside the north boundary.

27 RADIAL PLOT:

The radial plot for this Map Manuscript was accomplished in the same manner as that described in the Descriptive Report for Survey No. T-8523 with the exception that 10 metal mounted nine lens photographs and 4 unmounted nine lens photographs were used.

28 DETAILING:

The entire area of this quadrangle was detailed from fourteen nine lens office photographs with the aid of data furnished on the field inspection photographs.

A few bridges were detailed which the field inspection data did not include. These were definitely discernable on the office photographs. Also, a few bridges were not classified by the Field Inspection Party and these were noted on the discrepancy overlay for investigation during the final field edit.

Low ground areas were noted where indicated by field inspection data.

The Compilation Office was furnished a blue line print, mounted on metal, of a survey made by the U. S. Geological Survey. The Compilation Office was instructed to transfer the contours from this survey to the Map Manuscript, using the planimetric detail for orientation.

When attempting to reconcile the drainage furnished the Compilation Office in the field inspection data with that shown on the above-mentioned survey, many discrepancies were noted. Upon stereoscopic examination of the photographs, it was found that approximately 90% of this disputed drainage could be seen clearly as shown on the survey made by the U. S. Geological Survey. The Compilation Office could not find any evidence of an attempt to verify the drainage as delineated by stereoscopic examination and furnished the Field Inspection Party by the Washington Office.

The most outstanding discrepancies are as follows:

Take care of in compilation

28 DETAILING (Cont'd.)

Lat. $43^{\circ} - 50\frac{1}{2}'$
 Long. $70^{\circ} - 09\frac{1}{2}'$
 Field Inspection Photograph
 No. 13677

Drainage is shown on field photographs crossing 2 contour intervals on an incline. Main stream not shown which is almost at right angles.

Lat. $43^{\circ} - 49'$
 Long. $70^{\circ} - 11\frac{1}{2}'$
 Field Inspection Photograph
 No. 13679

Drainage is shown on field photograph as running on a decline across 3 contour intervals, on an incline across the same contour intervals about 400 meters to the north and across the top of a flat ridge.

Lat. $43^{\circ} - 46\frac{1}{2}'$
 Long. $70^{\circ} - 13-3/4'$
 Field Inspection Photograph
 No. 13691

Drainage is shown on field photograph almost at right angles to the contours shown on each side of the draw and the actual draw was omitted.

The contours have been transferred to this Map Manuscript from the Survey made by the U. S. Geological Survey. However, due to the many adjustments made this Compilation Office believes that a very thorough field examination of this work should be made. *See Field Edit Report*

Buildings were inked on the office photographs using the field inspection data as a guide. They were then transferred to the Map Manuscript.

29 SUPPLEMENTAL DATA:

The following prior topographic surveys, made by the U. S. Coast and Geodetic Survey, cover portions of the area of this Map Manuscript:

<u>Survey No.</u>	<u>Dated</u>	<u>Scale</u>
T-919-B	1873	1:10,000
T-918	1861-62	1:10,000
T-919-A	1864	1:10,000

These surveys were not available to the Compilation Office.

A blue line print mounted on metal, of a survey made by the U. S. Geological Survey, scale 1:20,000, was furnished this Compilation Office by the Washington Office.

In addition to the blue line print mounted on metal, the Washington Office furnished two other prints: A 1:20,000 scale reproduction of a 1:10,000 scale planimetric Map Survey T-5961 which covers most of the shore line of Survey No. T-8507, and one Geological Survey print showing elevations.

30 MEAN HIGH-WATER LINE:

The stage of tide of the photographs used in the process of detailing this Map Manuscript was computed and found to be near high tide.

The Field Inspection Party furnished no data concerning the High-Water Line for Survey No. T-8507 but a 1:20,000 scale reproduction of a 1:10,000 scale, Planimetric Map, Survey No. T-5961, was furnished to this Compilation Office. This was used to supplement the office photographs.

31 LOW-WATER AND SHOAL LINE:

Approximate low-water and shoal lines were not indicated on the field inspection photographs.

Careful examination of the office photographs, with the aid of the Planimetric Map of Survey No. T-5961, enabled this office to delineate approximate low-water and shoal lines.

32 DETAILS OFFSHORE FROM THE HIGH WATER LINE:

No details offshore from the high-water line were indicated by the field inspection data within the limits of this Map Manuscript. Shown on the reproduction of the Planimetric Map of Survey No. T-5961, are several islands, rocks awash, and areas of rock ledges in the immediate vicinity of Broad Cove and Cousins Island. These were verified by careful examination of the office photographs and detailed on the Map Manuscript. In addition, other areas of rock ledge were delineated from examination of the office photographs, and detailed on this Map Manuscript.

33 WHARVES AND SHORELINE STRUCTURES:

No new piers were shown by field inspection data and none were visible on the office photographs.

Two piers and one stone bulk-head appear along the shoreline of Broad Cove. Two piers, two stone bulk-heads, and a group of piling are shown along the shore between Prince Point and Parker Point. Three piers appear along the shores of Royal River and a dam in the vicinity of Yarmouth. ~~Three~~ ^{Four} piers are located along the shoreline of Cousins Island.

34 LANDMARKS AND AIDS TO NAVIGATION:

No landmarks or fixed aids to navigation lie within the limits of this Map Manuscript. Chart 315 shows 3 landmarks in this area; Control to be shown includes 4 more.

Cousins Island:

Chimney (at Doyle Pt.)
Chimney (at Stanley Pt.)

Mainland (S. shore Royal R.)
Capota (barn)

35 HYDROGRAPHIC CONTROL:

No hydrographic control was established within the limits of this Map Manuscript.

36 LANDING FIELDS AND AERONAUTICAL AIDS:

No data has been furnished the Compilation Office concerning any landing fields or aeronautical aids within the limits of this Map Manuscript. *One Aero beacon, see Chart Letter 275 (April 11, 1944)*

37 DISCREPANCY OVERLAY:

Items taken care of
A discrepancy overlay has been prepared during the process of detailing to accompany this Map Manuscript. On it are notes regarding omissions and notes which may be of assistance during the final field edit. A set of general notes have been included to aid in the interpretation of the Map Manuscript.

38 GEOGRAPHIC NAMES:

The Washington Office furnished the Compilation Office the results of a Geographic name investigation shown on a copy of U. S. Geological Survey Freeport, Maine, 15 minute quadrangle. This list covers most of the area of Survey No. T-8507, but it was necessary to supplement this list by using geographic names shown on Chart No. 315 for all names off-shore from the High-Water Line.

39 HORIZONTAL ACCURACY:

Horizontal accuracy of this Map Manuscript is believed to be within the limits set forth for well-defined points and less well-defined points of detail for Project CS-303.

40 RECOMMENDATIONS FOR FUTURE SURVEYS:

The Planimetric detail, as presented on this Map Manuscript, is believed to be complete but is subject to revision, deletion, and additions during a special field edit.

41 JUNCTIONS:

Complete and satisfactory junctions have been made with the following Map Manuscript:

41 JUNCTIONS: (Cont'd.)

To the south - with Map Manuscript for Survey No. T-8513.

To the west - with Map Manuscript for Survey No. T-8506.

To the east - Junction to be made in the Washington Office.

To the north - No contemporary survey is available to the Compilation Office.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

Comparison was made with a survey made by the U. S. Geological Survey scale 1:20,000. Roads, streams, and drainage were not in satisfactory agreement. The most notable change in shoreline appears on the north bank of Royal River, about one mile below Yarmouth where the shoreline is shown considerably built up.

45 COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with U. S. Coast and Geodetic Survey Chart No. 315, scale 1:40,000, published May 1943 and reissued September 15, 1943. This chart was brought to a scale of 1:20,000 by means of the vertical projector. A careful inspection disclosed that all shoreline and offshore detail were in good agreement, but roads and minor drainage did not agree in Asmuth in several places. Contour agreement was very poor.

Comparison was made with U. S. Coast and Geodetic Survey Chart No. 1106, scale 1:384,000, published June 1933 and reissued July 15, 1941. Due to extreme scale differences, no close comparison could be made but a visual inspection reveals the common topographic features of the chart and the Map Manuscript to be in good agreement.

Comparison was made with U. S. Coast and Geodetic Survey Chart No. 1204, scale 1:80,000, published March 1942, and reissued March 1943. The common topographic features of the Chart and the Map Manuscript were found to be in good agreement.

Respectfully submitted,
March 25, 1944

M. Eleanor Herzog
M. Eleanor Herzog
Asst. Photo. Aid

Map Manuscript, Discrepancy
Overlay, and Descriptive Report
Reviewed by:

William H. Van Loon
William H. Van Loon
Pr. Photogrammetric Aid

Compilation of Map Manuscript
Supervised by:

Joseph Steinberg
Joseph Steinberg
Asst. Photogrammetric Engineer

and

J. Edward Deal, Jr.
J. Edward Deal, Jr.,
Asst. Photogrammetric Engineer

Approved and Forwarded:
March 29, 1944

Fred. L. Peacock
Fred. L. Peacock
Officer-in-Charge
Baltimore Field Office

FIELD EDIT REPORT
TO ACCOMPANY
QUADRANGLE T-8307
PROJECT 303-B

46. The supplementary field edit on this quadrangle consisted mainly of a visual inspection of the various topographical features as they were plotted on the compilation with standard field instruments and methods being used to check discrepancies noted on the overlay. Roads, drainage, buildings and other features have been inspected and classified where omitted. Bridges were classified according to instructions. The field edit notes were applied to the ozalid copy of the compilation according to the following color scheme.

Additions Black
Deletions Green
Drainage Blue
Contours Brown
Boundaries Purple

Notes on the discrepancy overlay have been checked with red ink.

47. The compilation is believed to be complete and accurate as corrected by the field edit. Contours and drainage have been reshaped and delineated with the aid of the stereoscope, in the areas noted on the overlay, after being inspected in the field. Four additional bench marks have been located and recovered and are attached to this report.

90 USGS
92 "
D-5
S-16

48. Accuracy tests, both vertical and horizontal, are the subject of special reports on Project 303-B. *Horizontal accuracy test traverses No. 6 used as control. Vertical accuracy test of metal mounted USGS map. Report in review unit; special reports file, Div. of Photogrammetry, Gen. Files.*
13. One aeronautical beacon has been located and submitted as a landmark on the attached form 567. — *Charles Kette, #275 (Apr 11, 1944)*

Submitted by:

L. G. Chambers
Prin. Photo. Aid

Approved and forwarded by:

F.L. Gallen
Chief of Party

LIST OF
GEOGRAPHIC NAMES

(Undisputed)

- | | |
|-----------------------------------|-----------------------|
| ✓ Anderson Rock | ✓ Shore Road |
| ✓ Bay View Road | ✓ Sligo Road |
| ✓ Birch Point | ✓ Spears Hill |
| ✓ Blaney Point | ✓ Spruce Point |
| ✓ Buckham Road | ✓ Todds Brook |
| ✓ Burbank Road | ✓ True's Hill |
| ✓ Casco Bay | ✓ Tuttle Road |
| ✓ Cousins Island | ✓ Upper Village |
| ✓ Crockett Corner | ✓ Walnut Hill (hill) |
| ✓ Cumberland (County) | ✓ Webster Road |
| ✓ Cumberland (Village) (Township) | ✓ White Cove |
| ✓ Davis Landing | ✓ Wildwood Park |
| ✓ Drink Water Point | ✓ Windle Brook |
| ✓ E. Branch Piscataqua River | ✓ Yarmouth (Town) |
| ✓ Elm Road | ✓ Yarmouth (Township) |
| ✓ Falmouth (Township) | ✓ Yarmouth Junction |
| ✓ Fogg Point | ✓ York Hill |
| ✓ Freeport (Township) | |
| ✓ Greeley Road | |
| ✓ Harvey Brook | |
| ✓ Hedgehog Mountain | |
| ✓ Hodson Road | |
| ✓ Lanes Island | |
| ✓ Ledges (The) | |
| ✓ Ledges Road | |
| ✓ Littlejohn Island | |
| ✓ Lower Village | |
| ✓ Maine Central R. R. | |
| ✓ Marsh Bridges | |
| ✓ Maxwell Brook | |
| ✓ Memorial Road | |
| ✓ Mitchell Hill | |
| ✓ New Road | |
| ✓ No. Branch Royal River | |
| ✓ North Road | |
| ✓ North Yarmouth (Township) | |
| ✓ Parker Point | |
| ✓ Pownal (Township) | |
| ✓ Pumpkin Nob | |
| ✓ Range Road | |
| ✓ Rock Ledge | |
| ✓ Roddings Creek | |
| ✓ Royal Junction | |
| ✓ Royal Road | |
| ✓ Sandy Point | |
| ✓ Sandy Point Ledges | |

LIST OF
GEOGRAPHIC NAMES

Recommended

✓ Canadian National Railroad ^{WINGS}
✓ Cumberland Foreside
✓ Dunns Station

✓ Pratts Brook
✓ Royal River *

✓ Sturdivant Hill
✓ Toddy Brook
✓ Todds Corner
✓ Westcutogo Hill

✓ Walnut Hill

Disputed

Grand Trunk Railroad
Cumberland
(Dunns
(E. North Yarmouth
(North Yarmouth
Cousins River
(Royall's River
(Royal's River
Ephraim's Hill
Todds Brook
Todds Landing
(Pleasant Hill
(Walnut Hill
North Yarmouth

Remarks

Decisions

1	In addition to Field Party's Name Sheet,	USGB
2	See also nautical chart 201 for some of these	
3	names.	
4		
5		Railway Guide
6		"
7		USGB
8		Road Maps
9		"
10		
11		437701
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23	Pending with USGB: order also Cousins River,	"
24	in case decision should be for that name.	"
25		438701
26		437701 USGB
27		"

GEOGRAPHIC NAMES

Survey No. T-8507

YARMOUTH quadrangle

1 Name on Survey

	A	B	C	D	E	F	G	H	K	
<u>Maine</u>			✓							1
<u>Cumberland County</u>			✓							2
<u>Towns of Falmouth, Cumberland, Yarmouth, North Yarmouth, Freeport,</u>	✓	✓	✓	✓	✓	✓	✓	✓		3
<u>Pownal</u>			✓							4
<u>Maine Central R.R.</u>	✓		✓							5
<u>Canadian National Railways</u>			✓							6
<u>Casco Bay</u>	✓		✓							7
<u>U.S. No. 1</u>		✓	✓							8
<u>State Roads Nos. 9, 115</u>	✓	✓								9
										10
<u>Littlejohn Island</u>			✓							11
<u>Littlejohn Island</u> (village: spell Island in full)			✓							12
<u>Cousins Island</u>			✓							13
<u>Cousins Island</u> (" " " ")			✓							14
<u>Town Landing</u> (SE shore Littlejohn Island)			✓							15
<u>Doyle Point</u>			✓							16
<u>Birch Point</u>			✓							17
<u>Blaney Point</u>			✓							18
<u>Sandy Point</u>			✓							19
<u>Lanes Island</u>			✓							20
<u>Sandy Point Ledges</u>			✓							21
<u>Egg Point</u>			✓							22
<u>Roddings Creek</u>			✓							23
<u>Pratts Brook</u>			✓							24
<u>Browns Point</u>			✓							25
<u>Bay View Road</u>			✓							26
<u>Royal River</u>			✓							27
<u>Yarmouth</u>			✓							28

Remarks

Decisions

1		437701
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9	Pending with USGB	"
10		"
11		"
12		"
13		"
14		"
15		"
16	Pending with USGB	437702
17		"
18		"
19		"
20		"
21		"
22		"
23		438702
24		"
25		"
26	Pending with USGB	"
27		"

GEOGRAPHIC NAMES

Survey No. T-8507

GEOGRAPHIC NAMES											
Survey No. T-8507											
2	Name on Survey	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
A	B	C	D	E	F	G	H	K			
	Lower Village		✓							1	
	Elm Road		✓							2	
	Rock Ledge (hill)		✓							3	
	Barbank Road		✓							4	
	Buckham Road		✓							5	
	Parker Point		✓							6	
	White Cove		✓							7	
	Drinkwater Point		✓							8	
	Prince Point		✓							9	
	Pumpkin Nob		✓							10	
	Broad Cove		✓							11	
	Anderson Rock		✓							12	
	York Hill		✓							13	
	Shore Road		✓							14	
	Spears Hill		✓							15	
	Cumberland Foreside		✓							16	
	Wildwood Park		✓							17	
	Sturdivant Hill		✓							18	
	Windle Brook		✓							19	
	Tuttle Road		✓							20	
	East Branch Piscataqua River		✓							21	
	Maxfield Brook		✓							22	
	Greeley Road		✓							23	
	Royal Junction		✓							24	
	New Horn (No. 115)		✓							25	
	Walnut Hill (village)		✓							26	
	Walnut Hill (hill: partly here)		X							27	

Remarks

Decisions

1		438702
2		"
3		"
4		"
5		"
6		"
7	Pending with USGB	"
8		438701
9		"
10		"
11		"
12		"
13		"
14		"
15	Pending with USGB	"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		"
27		

GEOGRAPHIC NAMES

Survey No. T-8507

GEOGRAPHIC NAMES											
Survey No. T-8507											
3	Name on Survey	<div>On Chart No. On previous survey No. On U. S. quadrangle Maps From local information On local Maps P. O. Guide or Map Rand McNally Atlas U. S. Light List</div>									
		A	B	C	D	E	F	G	H	K	
	<u>Sligo Road</u>	✓		✓							1
	<u>Toddy Brook</u>	✓		✓							2
	<u>Wescutogo Hill</u>	✓		✓							3
	<u>Memorial Road</u>	(No. 9)		✓							4
	<u>North Branch Royal River</u>	✓		✓							5
	<u>Crockett Corner</u>	✓		✓							6
	<u>Station Dunns (North Yarmouth P.O.)</u>	✓		✓							7
	<u>Range Road</u>	✓		✓							8
	<u>Royal Road</u>	✓		✓							9
	<u>Hodson Road</u>	✓		✓							10
	<u>The Ledges</u>	(hills)		✓							11
	<u>Ledges Road</u>	✓		✓							12
	<u>Trues Hill</u>	✓		✓							13
	<u>Yarmouth Junction</u>	✓		✓							14
	<u>Upper Village</u>	✓		✓							15
	<u>North Road</u>	✓		✓							16
	<u>Davis Landing</u>	✓		✓							17
	<u>Marsh Bridges</u>	✓		✓							18
	<u>Mitchell Hill</u>	✓		✓							19
	<u>Todds Corners</u>	✓		✓							20
	<u>Harvey Brook</u>	✓		✓							21
	<u>Webster Road</u>	✓		✓							22
	<u>Todds Brook</u>	✓		✓							23
	<u>Winston Hill</u>	(partly here)		✓							24
	<u>Hedgehog Mountain</u>	(abbreviate as Mt.)		✓							25
	<u>Pownal Road</u>	(see T-8508)		✓							26
		See also No. 4									27

Remarks

Decisions

1		
2		
3		437701
4		"
5		"
6		"
7		"
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GEOGRAPHIC NAMES

Survey No. T-8507

GEOGRAPHIC NAMES											
Survey No. T-8507											
4	Name on Survey										
		A	B	C	D	E	F	G	H	K	
	The following names are taken from the preliminary U.S.G.S. draft of new 1:62,500 "Freeport" quadrangle: exact positions depend in part upon overlay, which will probably turn up):									1	
										2	
	<u>Madelon Point</u>									3	
	<u>Sunset Point</u>									4	
	<u>Callen Point</u>									5	
	<u>Powell Point</u>									6	
	<u>Lambert Point</u>									7	
										8	
										9	
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										11	
										12	
										13	
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										25	
										26	
										27	

Names underlined in red approved

by L. Heck on 5/23/44

M 23A

Names underlined in red approved
by L. Heck on 5/28/44

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8507

YARMOUTH QUADRANGLE, MAINE

This quadrangle manuscript has been examined for completeness, accuracy, and conformity with the specifications. It is adequate for smooth drafting, reproduction and publication. Revisions found to be necessary in this office are discussed on the next page.

Horizontal and Vertical Accuracy

Horizontal: Test traverse Line No. 8. Used as control.

Vertical: Three traverses. Contours in general were good. Corrections were made in a few instances to better portray minor drainage.

This map complies with the National Standard Map Accuracy.

Previous Surveys

This manuscript has been compared with the following previous topographic surveys of this Bureau and other agencies. This map is satisfactory to supersede the previous surveys over the common area.

T-918	1/10000	1861-2
T-919a	1/10000	1864
T-919b	1/10000	1873

U.S.G.S. Freeport, Me., 1/62500 1892

Comparison with Nautical Charts Nos. 315 1/40000 Aug. 1943

The manuscript has not been applied to the charts at the date of this review. The following comments are pertinent to the compilation and correction of nautical charts:

Aero beacon should be shown as a landmark.

The following revisions of the map manuscript were found to be necessary and were accomplished as a part of this review:

Review Report written from notes left by reviewer. LTS

Reviewed N. J. Benson, per Em By Jack Riker
under direction of D. H. Benson 13 May, 1944

Inspected by B. G. Jones B. G. Jones, per Em

Examined and approved:

~~Chief, Surveys Branch~~

K. T. Adams
Chief, Topography Section
Division of Photogrammetry

H. C. [Signature]
Chief, Div. of Charts
Nautical Chart Branch

W. M. [Signature]
Chief, Div. of Coastal
Surveys

RECORDS

Between January, 1942 and July, 1944, this Bureau completed 323 quadrangles. These maps have been published, or are in the process of being published on scales of 1:31,680 or 1:25,000. This series of quadrangles includes a land area of approximately 15,000 square miles. Incident to this work, a considerable volume of survey records and data has accumulated which will be filed for future reference. This material is filed as follows:

Registered and Filed in the Vault.

Cloth-mounted copy of the published quadrangle.

Black and white cloth-mounted copy of the published quadrangle at 1:20,000 scale. This copy is filed to preserve original survey detail shown on the manuscript at 1:20,000 scale which may not have been shown on the published sheet. For woodland, refer to the published quadrangle for the finally adopted outlines.

Descriptive Report.

Filed in the Photogrammetric Division.

Field inspection photographs.

Contoured photographs (on which planetable contouring work was performed.)

Field edit sheet.

Descriptions of recoverable topographic stations (Form 524), filed in Review Section.

Supplementary traverse and level records.

Field notes, computations, lists of positions, and tabulations of results of horizontal and vertical accuracy tests.

Reproduction proof.

Correction sheet (copy of quadrangle showing in red changes to be made when next printed.)

Check lists of work performed on each sheet in the Washington Office during review, drafting, edit, and reproduction.

Copies of specifications and all instructions to field parties and field offices.

Filed in Reproduction Branch.

Glass negatives of the color separation drawings.

Filed in the Library.

Special report on office work by B. G. Jones, 1944.

Season's report on field work by Commander F. L. Gallen, 1944.

Season's report on field work by Commander R. L. Schoppe, 1944.

Delivered to the Army Map Service in accordance with the contract.

Film negatives and film positives of the color separation drawings.

All color separation drawings.

A correction sheet consisting of a copy of the first edition of the quadrangle with notes in red indicating changes desirable at the next printing.