

# 8511

Original

73

1205

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey <u>Air Photographic Topographic</u>	
Field No. _____	Office No. <u>1-8511</u>
LOCALITY	
State <u>Maine</u>	
General locality <u>Cumberland County</u>	
Locality <u>Gorham</u>	
<u>1944</u>	
CHIEF OF PARTY	
<u>Fred. L. Peacock</u>	
LIBRARY & ARCHIVES	
DATE <u>September 8, 1948</u>	

B-1870-1 (1)++

# 8511

## DATA RECORD

T- 8511

Quadrangle (II):  
Gerham, 7 $\frac{1}{2}$  minute

Project No. (II):  
303-C (North)

Field Office:  
Sanford, Maine

Chief of Party:  
F. L. Gallen

Compilation Office:  
Baltimore, Maryland

Chief of Party:  
Fred. L. Peaseck

Instructions dated (II III):

Copy filed in Descriptive  
Report No. T- (VI)  
Div. of Photogram. Office Files

Completed survey received in office: 3 April, 1944

Reported to Nautical Chart Section:

Reviewed: 5 May, 1944 Applied to chart No. None Date:

Redrafting Completed: 27 May 1944

Registered: 19 Apr 1944

Published: 1944

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): ANDREWS, 1943

Lat.: 43° 40' 34.016" (1049.8m) Long.: 70° 27' 12.926" (289.6m) <sup>Adjusted</sup>  
~~Unadjusted~~

State Plane Coordinates (VI):

not available

X =

Y =

Military Grid Zone (VI)

Zone A

HARBOR DEFENSE GRID  
Portland-Portsmouth Area

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
13700 to 13704, Inc.	4-18-43	12:24 P.M.	1:20,000	No tidal waters within the limits of this Map Manuscript.
13714 to 13719, Inc.	4-18-43	12:40 P.M.	1:20,000	
13729 to 13733, Inc.	4-18-43	1:00 P.M.	1:20,000	

Tide from (III): None

Mean Range: None

Spring Range: None

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

Field Inspection by: Arnold M. Jhyla

date: September 1943

Field Edit by: L. G. Chambers

date: March, 1944

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

Projection and Grids ruled by (III) J.T.B. - P.B.H.

date: 10-15-43

" " " checked by: J.T.B.

date: 10-15-43

Control plotted by: William H. VanLoon

date: 10-19-43

Control checked by: Henry P. Richert

date: 10-20-43

Radial Plot by: J. Edward Deal, Jr., & Joseph Steinberg

date: 12-6-43 to 12-9-43

Detailed by: Ruth E. Rudolph

date: 1-31-44 to 3-20-44

Reviewed in compilation office by: Raymond Glaser

date: 3-3-44 to 3-20-44

Elevations on Field Edit Sheet  
checked by: L. G. Chambers

date: March, 1944

STATISTICS (III)

Land Area (Sq. Statute Miles): 56

Shoreline (More than 200 meters to opposite shore): none

Shoreline (Less than 200 meters to opposite shore): none

Number of Recoverable Topographic Stations established: 3 (All Bench Marks)

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles: About 93 mi.

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:



FIELD INSPECTION REPORT  
QUADRANGLE T- 8511  
Project CS-303-C  
F. L. Gallen, Chief of Party

1. DESCRIPTION OF AREA:

The area covered by this quadrangle lies almost entirely within Cumberland County, with the exception of a small area in the southwest corner of the quad which lies in York County. The villages of North Scarboro, South Gorham, Gorham, West Gorham, Pleasant Ridge, and South Windham are found in this quadrangle. This area consists of steeply rolling land. The higher ground is relatively uniform. Irregularities of contour occur only in the lower areas. One outstanding peculiarity of the area is the scattered, isolated hills or knobs, which are rock outcrops of highly foliated mica schist. This classification is characteristic of the area around Gorham--photos 13730 and 13729. The rock outcrops on photo 13701 to the northeast of Gorham are of granitic origin but have been metamorphosed to a gneiss. The streams have U-shaped bottoms and a low gradient about one-half of their length. From that point the gradient is steep. The streams meander through gorges with steep and high hillsides. The upper portions of the streams flow out much like a fan, more or less basin-shaped. A typical illustration is the main stream on the south portion of photo 13730. This is poor farm land but farmsteads are scattered throughout the area. The timbered areas are mostly deciduous second growth with occasional second growth pine. The older stands of timber are mainly hemlock and appear as the blackest areas on the photos. Some of the darkest areas on the photographs are patches of an old stand of white pine. The roads in the area are good since the soil is sandy and hard. There appears to be only a thin mantle of soil overlying the rock underneath. Good gravel pits several hundred feet thick occur in the area and are being used commercially. Some of them have been exhausted.

2. COMPLETENESS OF FIELD INSPECTION:

Refer to Field Inspection Report on T-8518.

3. INTERPRETATION OF THE PHOTOGRAPHS:

The photographs in this area are poor as they all seem to have a dark stain. In areas where hemlock growth occurs (the darkest area on the photographs) the use of a stereoscope is of no value. A few of the gravel pits in the area have been circled in red and designated to clarify office interpretation, but no attempt has been made to differentiate between commercial and non-commercial pits.

4. HORIZONTAL CONTROL:

The horizontal control for this quadrangle was handled in accordance with instructions for project CS-303-C.

5. VERTICAL CONTROL:

Refer to Field Inspection Report on T-8518.

6. CONTOURS AND DRAINAGE:

Standard Coast and Geodetic Survey methods and equipment were used. Planetable shots were used wherever practicable. Elevations in timbered areas were located by hand leveling and pacing in combination with close field inspection. Very little sketching was done. The area is so covered with contour lines that sketching was impracticable without first getting adequate control elevations. A large portion of the work was sketched and redrawn under the stereoscope after adequate control elevations were secured in the field. Closed contours are occasionally shown below the contour interval in order to express properly the topography of the area. There is some doubt as to the correctness of the portion of photo 13731 just north and east of a concrete bridge on the main highway. This is a heavily wooded area badly broken up with small ravines and gullies. It was only feasible to hand level and the exact location of the run is hard to determine. The upper branches of the main stream in the south portion of photo 13730 are somewhat doubtful. The branches fan out in all directions and there is a series of small ridges with low swampy ravines. The drainage sketched by the office was of mediocre quality. Occasionally streams were shown as going over the tops of hills. These portions had to be removed in order to clear up stereopsis. In general, the main streams, as drawn, were good. I would like to suggest that the office use some removable ink instead of the permanent white in sketching the drainage. It is hard to remove without marring the photo, and if you don't take it off, it distorts stereopsis. There are no large closures errors and the general error is about 0.5 of a foot.

7-13. The items under these headings in the field inspection report do not apply to this area.

14. ROAD CLASSIFICATION:

Roads were classified according to instructions issued by the Army War College, Washington, D. C.

15. BRIDGES AND CULVERTS:

Classification of bridges and culverts will be done on the field edit sheet. Bridges have been indicated on the field sheet along with main culverts.

16. BUILDINGS AND STRUCTURES:

All buildings to be shown on the manuscript are circled in red. Buildings not labeled are to be classed as dwellings. Barns, churches, stores and other buildings are labeled. Any building not labeled is to be deleted.

17. BOUNDARY MONUMENTS AND LINES:

This quad lies entirely in Cumberland County, Maine, with the exception of the southwest corner, which is in York County. The quad is sub-divided into the towns of Buxton, Gorham, Windham, Westbrook, and Scarborough. The County line, which forms the boundary between the towns of Buxton, Gorham, and Scarborough, was located on the photo by pricking boundary line stones in the field. These monuments are shown by a red circle. All boundary lines and monuments are correct as shown on the photos and no further investigation is necessary. The lines have been verified by town maps which were used at the town halls, and by local residents. The Presumpscot River forms part of the boundary between Gorham and Windham.

18. GEOGRAPHIC NAMES:

Geographic Names for this quadrangle are the subject of a special report by A. J. Wright in Project CS-303-C. *Let*

19. JUNCTIONS:

Junctions with T-8512 to the east and T-8517 to the south have been made and are in agreement. Junctions with the Geological Survey on the west and north have been made and are in agreement, within the limits of our requirements, except where noted. Final junctions should be made in the compilation office. It should be noted that on some of the photos along the boundary the contours did not join. These contours were run over the edge and notes have been made to show how junctions should be made. If these notes are followed the contours should join. All contours along these junctions on the photos have been set within exceptionally close limits and therefore junctions are left up to the compilation office.

20. PHOTOGRAPHS USED:

Photographs used in surveying this area were Nos. 13701, 13702, 13703, 13704, 13714, 13715, 13716, 13717, 13718, 13729, 13730, 13731, and 13732.

Approved and forwarded by:

Submitted by:

*F. L. Gallen*

F. L. Gallen  
Chief of Party

*Arnold M. Jylha*

Arnold M. Jylha  
Sr. Photo. Aid

## WOODS AND BRUSH

### TYPE

D	Deciduous
E	Evergreen
Cy	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

HG	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.



## BRIDGE AND TUNNEL CLASSIFICATION

<u>First Symbol</u>	<u>One Lane</u>	<u>Unlimited</u>
Capacity	5 mph	
A	50 tons	25 tons
B	25 tons	18 tons
C	18 tons	13 tons
D	10 tons	7 tons
E	6 tons	4 tons
F	Light vehicles only	

### 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 18 feet
	B - over 17 feet
	C - over 16 feet
	D - over 15 feet, etc.

Fourth Symbol - Year of Classification

# ROAD CLASSIFICATION FOR MAPS OF ALL SCALES

CLASS	LABEL	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-treated, oil- ed gravel, waterbound Macadam, structures generally lighter than H-15 but sturdy.	Will bear fairly heavy military loads in all weather if maintained.
3	Loose-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 structure.	Generally unsuitable for military loads.
4U	Truck road	Woods roads, farm roads, etc. over which a standard gage vehicle can be driven.	
5	Trail	(Horse trails, foot trails, etc.)	

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

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  
Cem - 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

HWL - Mean high water; fast land  
LWL - Low water line  
LL - Marsh shore line  
M - Marsh  
MT - Marsh grass in water  
Dk - Dock  
Pier - Pier  
Se W - Sea Wall  
Blhd - Bulkhead  
Jet - Jetty  
Dol - Dolphnia  
Pile - Pile  
S - Sand  
Mud - Mud

Rk - Rock or Rocky  
Sty - Stony  
Conc - 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

26 CONTROL:

Four U. S. Coast and Geodetic Survey Triangulation Stations and six U. S. Geological Survey Horizontal Control Stations were used as horizontal control for the orientation of the photographs to establish secondary control, photograph centers, and detail points.

Of these stations, two U. S. Coast and Geodetic Survey Triangulation Stations and three U. S. Geological Survey Horizontal Control Stations lie within the limits of the Map Manuscript. These stations are:

- ANDREWS, 1943
- GORHAM NORMAL SCHOOL, CENTER OF TALLEST TOWER
- P.T.S. No. 4 ME., 181, 1914 (U.S.G.S.)
- TT9BT, 1940 (U.S.G.S.)
- TT59TDA, 1940 (U.S.G.S.)

Field Inspection stations were established by the Field Inspection Party at well-defined points near two of the above horizontal control stations. This assured accurate pricking of the horizontal control stations on the office photographs. These field inspection stations are indicated by small orange ink circles on the reverse side of the Map Manuscript. They are:

- F.I.P. ANDREWS, 1943
- F.I.P. "A" ME. 181, 1914 S (U.S.G.S.)

The remaining two U. S. Coast and Geodetic Survey Triangulation Stations and three U. S. Geological Survey Horizontal Control Stations lie just beyond the limits of the Map Manuscript. They are:

- LIBBY, 1941
- WESTBROOK STACK, 1941
- TT12BT, 1940 (U.S.G.S.)
- TT60TDA, 1940 (U.S.G.S.)
- TT61TDA, 1940 (U.S.G.S.)

27 RADIAL PLOT:

Recent previous 1:10,000 planimetric surveys covered a portion of the area of Map Manuscripts for Surveys Nos. T-8512 and T-8518. These previous planimetric surveys have been reduced and reproduced on the Map Manuscripts for Surveys Nos. T-8512 and T-8518 which were furnished the Compilation Office on a polyconic projection at a scale of 1:20,000.

In order to obtain a strong radial plot and to make a junction with the above-mentioned reproduced previous planimetric surveys, it was decided to combine the above Surveys Nos. T-8512 and T-8518 in Project



**27 RADIAL PLOT (Cont'd.)**

C.S.-303-A with Surveys Nos. T-8511 and T-8517 in Project C.S.-303-C (North) into one Main Radial Plot.

**Preparation of Photographs**

31 nine lens unmounted 1:20,000 photographs covered the area of this Main Radial Plot and are listed in flights as follows:

Nos. 13685 to 13690, Inclusive  
13700 to 13706, Inclusive  
13711 to 13719, Inclusive  
13729 to 13736, Inclusive  
13761

These photographs were prepared for radial plot purposes in the same manner as that described in the Descriptive Report for 1:20,000 Main Radial Plots for Section 3 (Part) and Section 4 of War Mapping Project No. C.S. 303, which was forwarded to the Washington Office November 3, 1943.

**Control**

Sufficient U. S. Coast and Geodetic Survey Triangulation Stations supplemented by a large number of U. S. Geological Survey Horizontal Control Stations, were recovered and field identified by the Field Inspection Party to adequately control the orientation of the 1:20,000 photographs.

The Field Inspection Party furnished the Compilation Office the "ACCURACY OF IDENTIFICATION REPORT, CLASSIFICATION OF HORIZONTAL CONTROL FOR THE AREA OF MAIN RADIAL PLOT No. 2 PROJECT C.S. 303" which is attached to this Descriptive Report. However, the Main Radial Plot covered by this Descriptive Report does not include all the Surveys in Main Radial Plot No. 2, Project C.S. 303. It was found that several Surveys in Main Radial Plot No. 2 could be more readily adapted to individual radial plots. The radial plots for the remaining Surveys of Main Radial Plot No. 2 will be described in the Descriptive Reports to be submitted with their respective Map Manuscripts.

**Templets**

All of the unmounted 1:20,000 photographs were tested and found to contain paper distortion.

Acetate templets were made of the photographs in a manner suggested in the instructions received by the Compilation Office from the Washington Office on July 6, 1943, entitled: "Instructions for Use of Master Templet for Paper Shrinkage Correction to Nine Lens Photographs". This method is

described in detail in the above mentioned Descriptive Report for Project C.S. 303.

#### Preparation of Quadrangle Detail Sheets

The Compilation Office was furnished a purple line print on celluloid for each of Surveys Nos. T-8512 and T-8518 on which was reproduced to the scale of 1:20,000 the portions of recent 1:10,000 planimetric surveys falling within the area of each respective survey. In addition, two 7½ minute quadrangle detail sheets for the area of Survey No. T-8511 and the area of Survey No. T-8517, ruled with polyconic projections and state grids, were furnished the Compilation Office by the Washington Office.

All horizontal control stations recovered in the area of the above mentioned surveys were plotted on the respective survey sheets on which they fell.

The two purple line prints on celluloid and the two 7½ minute quadrangle detail sheets were matched along their common meridians and parallels and joined together with transparent cellulose tape.

#### Plot

The four joined surveys were laid on the large radial plot table and a satisfactory radial plot was accomplished in the same manner as that described in the Descriptive Report for 1:20,000 Main Radial Plots for Section 3 (Part) and Section 4 of War Mapping Project No. C.S. 303, which was forwarded to the Washington Office November 3, 1943.

#### 28 DETAILING:

Adequate field inspection data was furnished the Compilation Office on nine lens photographs, scale 1:20,000.

Boundary lines and boundary monuments are shown on the reverse side of the Map Manuscript with blue acid ink.

All streams less than 5 meters wide and minor drainage have been shown with blue acid ink.

Tree areas are outlined with green acid ink. These tree areas are classified with the letters "A", representing dense tree areas 10' or more in height; "B", representing sizeable brush areas; "C", representing scattered brush and/or trees, according to recommendations made by the Washington Office.

No classifications of bridges or culverts are given by the Field Inspection Party. These are to be classified by the Field Edit Party.

29 SUPPLEMENTAL DATA:

There were no previous surveys made by the U. S. Coast and Geodetic Survey of the area covered by this Map Manuscript.

One vellum copy showing the south and east edge of Buxton, Maine, U. S. Geological Survey 15 minute quadrangle was furnished the Compilation Office for junction purposes along the western edge of this Map Manuscript.

30 MEAN HIGH-WATER LINE:

There are no tidal waters within the limits of this Map Manuscript.

31 LOW-WATER AND SHOAL LINES:

Not applicable.

32 DETAILS OFFSHORE FROM THE HIGH-WATER LINE:

Not applicable.

33 WHARVES AND SHORELINE STRUCTURES:

Not applicable.

34 LANDMARKS AND AIDS TO NAVIGATION:

Not applicable.

35 HYDROGRAPHIC CONTROL:

Not applicable.

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.

37 DISCREPANCY OVERLAY:

A discrepancy overlay has been prepared, during the process of detailing, to accompany this Map Manuscript. On it are notes in reference

37 DISCREPANCY OVERLAY (Cont'd.)

to omissions, and differences of interpretation between the field inspection data and the Compilation Office. A set of general notes which are likely to be of assistance to the Field Edit Party are also included.

38 GEOGRAPHIC NAMES:

Geographic names shown on this Map Manuscript have been compiled from the results of a geographic names investigation by A. J. Wraight. Only the undisputed names have been shown on the Map Manuscript. A list of undisputed, disputed, and recommended names has been prepared and is attached to this Descriptive Report.

39 HORIZONTAL ACCURACY:

The 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, under paragraph 23, of the Instructions for War Mapping Project C.S. 303, dated May 1, 1943.

40 RECOMMENDATIONS FOR FUTURE SURVEYS:

The planimetric detail, as presented on this Map Manuscript, is believed to be complete, including all field inspection data and careful interpretation of the photographs where field data was lacking. It is subject to revision, deletion, and additions by the Field Edit Party.

41 JUNCTIONS:

Complete and satisfactory junctions have been made with the following:

To the north with Map Manuscript for Survey No. T-8505  
To the south with Map Manuscript for Survey No. T-8517  
To the east with Map Manuscript for Survey No. T-8512  
To the west with a black line print on vellum of the east edge of the 15 minute quadrangle, Buxton, Maine, Scale 1:20,000, compiled by the U. S. Geological Survey.

42 REMARKS:

The description, as presented in the Field Inspection Report, adequately describes the area covered by this Map Manuscript.



43 BENCH MARKS:

Form No. 524 for each of three bench marks, which lie within the limits of this Map Manuscript, are <sup>being</sup> herewith submitted. They are:

- B.M. Block Signal No. 1392, 1944
- B.M. 154 (U.S.G.S.), 1944
- B.M. Me. 212, 1914 S, 1944

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

Comparison was made with the U. S. Geological Survey, Portland 15' quadrangle, scale 1:62,500. Due to the scale difference, only a general comparison of common highways and shoreline could be made and these were found to be in good agreement.

*discrepancy in topography. contours in USGS Quad show much rougher country than the USGS.*

45 COMPARISON WITH NAUTICAL CHARTS:

No nautical charts fall within the limits covered by this Map Manuscript.

Respectfully Submitted:  
March 18, 1944

Ruth E. Rudolph  
Ruth E. Rudolph  
Asst. Photogrammetric Aid

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

Raymond Glaser  
Raymond Glaser  
Sr. Engineering Draftsman

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 24, 1944

Fred. L. Peacock  
Fred. L. Peacock  
Commander, Coast & Geodetic Survey  
Officer-in-Charge  
Baltimore Photogrammetric Office

FIELD EDIT REPORT  
TO ACCURACY  
QUADRANGLE T-8511  
Project 303-A

46. The field edit of this quadrangle was accomplished by a visual inspection in the field 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 were inspected and classified where omitted by the field inspection. Bridges have been classified according to instructions. The various field edit notes have been plotted on the ozalid copy of the compilation according to the following color scheme.

Additions ..... Black  
Deletions ..... Green  
Drainage ..... Blue  
Contours ..... Brown

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 corrected in several places with the aid of the stereoscope after being inspected in the field.
48. Accuracy tests, both vertical and horizontal, are the subjects of special reports on project 303-A.
49. Junctions were checked in the compilation office.

Submitted by:

*L.G. Chambers per J.H.G.*

L.G. Chambers  
Trin. Photo. Aid

Approved and Forwarded by:

*F.L. Gallen*

F.L. Gallen  
Chief of Party

1-1

ACCURACY OF IDENTIFICATION REPORT  
CLASSIFICATION OF HORIZONTAL  
CONTROL FOR THE AREA  
OF RADIAL PLOT #2

SHEET T-8505

POSITIVELY IDENTIFIED STATIONS:

U.S.G.S. Traverse stations:

TT 8 BT, 1940  
TT 10 BT, 1940  
TT 11 BT, 1940

SHEET T-8506

POSITIVELY IDENTIFIED STATIONS:

\*(F. I. P.) MOUNT INDEPENDENCE, 1849

U.S.G.S. Traverse stations:

58, 1940  
TT 36 BT, 1940

SHEET T-8511

POSITIVELY IDENTIFIED STATIONS:

(F.I.P.) ANDREWS, 1943

U.S.G.S. Traverse stations:

(F.I.P.) TT 9 BT, 1940  
TT 13 BT, 1940  
TT 59 TDA, 1940  
TT 60 TDA, 1940  
TT 61 TDA, 1940

DOUBTFULLY IDENTIFIED STATIONS:

U.S.G.S. Traverse stations:

GORHAM NORMAL SCHOOL, center of tallest tower on  
building.

STATIONS NOT IDENTIFIED:

U.S.G.S. Traverse stations:

Me., 181, 1914, S., PRIM. TRAV. STA. No. 4  
not identified because positions were determined  
by the U.S.G.S. traverse party for two well de-  
fined points very near to this station, both of  
which have been positively identified on a photo  
graph.

\*F. I. P. - Field Inspection Point established for this station.



SHEET T-8512

POSITIVELY IDENTIFIED STATIONS:

✓ WESTBROOK STACK, 1941  
U.S.G.S. Traverse station:  
✓ TT 12 BT, 1940

SHEET T-8517

POSITIVELY IDENTIFIED STATIONS:

✓ (F.I.P.) LIBBY, 1941  
✓ OLD ORCHARD STANDPIPE, 1923  
✓ SAGO, ORTHODOX CHURCH SPIRE, 1850 (n.d.)

U.S.G.S. Traverse stations:

✓ ME. 93, 1914, S., PRIM. TRAV. STA. NO. 2,  
(although this station is classified as positive  
it should be used with caution, because the mark  
was reset in 1942.)

✓ TT 55, TDA, 1940

TT 53, TDA, 1940

DOUBTFULLY IDENTIFIED STATIONS:

U.S.G.S. Traverse stations:

✓ ME. 134, 1914, S., PRIM. TRAV. STA. NO. 1

STATIONS NOT IDENTIFIED:

U.S.G.S. Traverse stations:

*not plotted* → ME. 147, 1914, S., PRIM. TRAV. STA. NO. 3 - destroyed

✓ TT 54 TDA, 1940 - not identified because of lack of tie  
points, however the U.S.G.S. traverse  
party determined a position for a road  
intersection 550 feet northwest of the  
station which was identified on a  
photograph.

*not plotted* → W 104, 1940, 143 - destroyed.

SHEET T-8518

POSITIVELY IDENTIFIED STATIONS:

✓ SCARBORO GREEN STANDPIPE, 1928  
✓ WCSH SOUTHWEST RADIO TOWER, 1941

DOUBTFULLY IDENTIFIED STATIONS:

✓ (F.I.P.) WCSH NORTHEAST RADIO TOWER, 1941 - (doubtful because  
starting azimuth line was very short.)

-3-

SHEET T-8520

POSITIVELY IDENTIFIED STATIONS:

BIDDEFORD PEPPEREL CO., STACK, 1941  
BIDDEFORD CATHOLIC CHURCH, SPIRE, 1941  
(F.I.P.) HOOPER, 1941

U.S.G.S. Traverse Stations:

TT 44 TDA, 1940  
(F.I.P.) TT 45 TDA, 1940  
TT 49 TDA, 1940

Submitted by

*Eugene L. Maxwell*

Eugene L. Maxwell

Ensign, U.S.C. & G. Survey

Approved and Forwarded

*F. L. Gallen*

F. L. Gallen  
Chief of Party

CS - 303 - C (north)  
DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8511

GORHAM, ME. QUADRANGLE

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 Reports filed under "Special Reports" for this Project.

T-8511 meets the National Standard Map requirements for both horizontal and vertical 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.

U.S.G.S. Portland, Me. 1/62500 1916, rep. 1934

Comparison with Nautical Charts Nos. None

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:

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

Additions and deletions of buildings, - from field edit data.

Reviewed 5 May, 1944  
under direction of D. H. Benson

By William M. St. John  
JMS L.TS.

Inspected by B. G. Jones

B.G. Jones 8/48

Examined and approved:

[Signature]  
Chief, Surveys Branch

K.T. Adams  
Chief, Div. of Charts Hydrography

[Signature]  
Chief, Topography Section

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

and

Working Chart Branch



## 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.



# GEOGRAPHIC NAMES

(Undisputed)

- |                                      |  |
|--------------------------------------|--|
| ✓ Anderson Brook                     | ✓ Longfellow School                      |
| ✓ Anderson Hill                      | ✓ Maine Central Railroad (Mountain Div.) |
| ✓ Anderson School                    | ✓ Mallison Falls                         |
| ✓ Babb School                        | ✓ Martin Brook                           |
| ✓ Black Brook                        | ✓ Milliken Brook - 2 11-11               |
| ✓ Bodge School                       | ✓ Mosher Brook                           |
| ✓ Boston & Maine Railroad            | ✓ Mosher Corner                          |
| (Worcester, Nashua, & Portland Div.) | ✓ Narragansett Park                      |
| ✓ Brandy Brook                       | ✓ Narragansett Road                      |
| ✓ Burnham Road                       | ✓ Nonesuch River - 11-11                 |
| ✓ Burton                             | ✓ North Branch                           |
| ✓ Buxton Road                        | ✓ North Scarsboro                        |
| ✓ Canada Hill Road                   | ✓ North Street Church                    |
| ✓ Clark Brook                        | ✓ Pleasant Ridge - 11-11                 |
| ✓ Cold Spring Brook                  | ✓ Presumpscot River                      |
| ✓ Cressey Hill                       | ✓ Queen Road                             |
| ✓ Cumberland County                  | ✓ Red Brook                              |
| ✓ Deering Brook                      | ✓ Running Hill Road                      |
| ✓ Duck Pond School                   | ✓ Saco Road                              |
| ✓ Elmwood School                     | ✓ Sanborn Brook                          |
| ✓ Farm Brook                         | ✓ Sawyer Brook                           |
| ✓ Files Brook                        | ✓ Skunk Knoll                            |
| ✓ Flagg Meadow Road                  | ✓ Skunk Knoll Brook                      |
| ✓ Fort Hill                          | ✓ Small Brook                            |
| ✓ Fort Hill Brook                    | ✓ Small Hill                             |
| ✓ Fort Hill Road                     | ✓ Smalls Hill                            |
| ✓ Gambe Falls                        | ✓ South Branch                           |
| ✓ Gorham                             | ✓ South Gorham                           |
| ✓ Gorham Road                        | ✓ South Road                             |
| ✓ Gorham Town Farm                   | ✓ South Windham                          |
| ✓ Gotham Hill                        | ✓ Standish Road                          |
| ✓ Gray Road                          | ✓ Stroudwater River                      |
| ✓ Haines Road                        | ✓ Tannery Brook - Strout Brook           |
| ✓ Hardy Road                         | ✓ Union Chapel                           |
| ✓ Hawks Road                         | ✓ Ward Brook                             |
| ✓ Hillside Cemetery                  | ✓ Wescott Brook                          |
| ✓ Indian Camp Brook                  | ✓ White Rock Road                        |
| ✓ Inkhorn Brook                      | ✓ Whitney Road                           |
| ✓ Johnson Brook                      | ✓ Windham (Township)                     |
| ✓ Land of Nod                        | ✓ Windham Town Farm                      |
| ✓ Libby Avenue                       | ✓ York County                            |
| ✓ Libby Road                         |  |
| ✓ Lincoln Weeks Brook                |  |
| ✓ Little Falls                       |  |
| ✓ Little Falls (town)                |  |
| ✓ Little River                       |  |
| ✓ Longfellow Road                    |  |

## GEOGRAPHIC NAMES

### Recommended

Canada Hill  
Colley Wright Brook  
Knight Road  
Little Falls Road  
Mosher Road  
New Gorham Road  
Newhall  
River Road  
Shad Gully Brook  
Tommy Brook  
West Gorham  
Windship Corner

### Disputed

Kennedy Hill  
Celly Wright Brook  
Shad Gully Road  
Portland & Windham Electric  
Portland & Gorham Electric  
New Portland Road  
Gambo  
Congen Street  
Bodge Brook  
Waterhouse Brook  
Watson Store  
Gag Corner -- Pleasant Ridge



## Remarks

## Decisions

		USGB
1		
2		
3		
4		
5		Railway Guide
6		"
7		Road Maps
8		"
9		437702
10		435703
11		
12		436703
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		436704
24		"
25		"
26		"
27		"

# GEOGRAPHIC NAMES

Survey No. T-8511

GORHAM quadrangle

1	Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K
✓	Maine			✓						
✓	York County			✓						1
✓	Town of Buxton		(York Co.)	✓						2
✓	Cumberland County			✓						3
✓	Towns of Scarborough, Westbrook, Gorham, Windham			✓						4
✓	Boston & Maine R.R.			✓						5
✓	Maine Central R.R.			✓						6
✓	U.S. No. 202 (State No. 4)			✓						7
✓	State Nos. 22, 25, 112, 207		114	✓						8
✓	Presumpscot River			✓						9
✓	Nonesuch River			✓						10
										11
✓	Red Brook		(only a little of it here)	✓						12
✓	Libby Road			✓						13
✓	Running Hill Road			✓						14
✓	North Scarborough			✓						15
✓	Clark Brook		(only a little of it here)	✓						16
✓	Buxton Road			✓						17
✓	Saco Road			✓						18
✓	Stroudwater River			✓						19
✓	Longfellow Road			✓						20
✓	Inkhorn Brook			✓						21
✓	Indian Camp Brook			✓						22
✓	South Gorham			✓						23
✓	Elmwood School			✓						24
✓	Burnham Road			✓						25
✓	Old County Road			✓						26
✓	Babb School			✓						27

## Remarks

## Decisions

1		436704
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		437703
17		437704
18		"
19		"
20		436704
21		"
22		"
23		"
24		"
25		"
26		437704
27		"

# GEOGRAPHIC NAMES

Survey No. T-8511

2	Name on Survey	On Chart	On previous survey	On U. S. quadrangle	From local	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
		No.	No.	Maps	information					
	✓ South Branch ✓			✓						1
	✓ Dick Pond School ✓			✓						2
	✓ Deering Brook ✓			✓						3
	✓ Tommy Brook ✓			✓						4
	✓ Strout Brook ✓			✓						5
	✓ South Road ✓			✓						6
	✓ New Gorham Road ✓			✓						7
	✓ Narragansett Road ✓			✓						8
	✓ Narragansett Park ✓			✓						9
	✓ Flag Meadow Road ✓			✓						10
	✓ Gorham ✓			✓						11
	✓ Longfellow School ✓			✓						12
	✓ Mosher Road ✓			✓						13
	✓ Mosher Corner ✓			✓						14
	✓ Gray Road ✓			✓						15
	✓ Mosher Brook ✓			✓						16
	✓ Libby Avenue ✓			✓						17
	✓ Queen Road ✓			✓						18
	✓ Fort Hill Road ✓			✓						19
	✓ Fort Hill Brook ✓			✓						20
	✓ Cassey Hill ✓			✓						21
	✓ Brandy Brook ✓			✓						22
	✓ Filer Brook ✓			✓						23
	✓ Gorham Road ✓			✓						24
	✓ West Gorham ✓			✓						25
	✓ Martin Brook ✓			✓						26
	✓ Gotham Hill ✓			✓						27

## Remarks

## Decisions

1		437704: all names on this section sheet
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	Pending with USGB	
26		
27		

# GEOGRAPHIC NAMES

Survey No. T-8511

3	Name on Survey	On Chart	On previous survey	On U. S. quadrangle	From local	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
		No.	No.	Maps	information					
✓	Whitney Road ✓	✓		✓						1
✓	Fort Hill ✓	✓		✓						2
✓	Tannery Brook ✓	✓		✓						3
✓	Smalls Hill ✓	✓		✓						4
✓	Farm Brook ✓	✓		✓						5
✓	North Branch ✓	✓	(of Little River)							6
✓	Little Falls Road ✓	✓		✓						7
✓	Little River ✓	✓		✓						8
✓	Mallison Falls ✓	✓		✓						9
✓	Hillside Cemetery ✓	✓		✓						10
✓	Gorham Town Farm ✓	✓		✓						11
✓	Johnson Brook ✓	✓		✓						12
✓	Standish Road ✓	✓		✓						13
✓	North Street Church ✓	✓		✓						14
✓	Sawyer Brook ✓	✓		✓						15
✓	Haines Road ✓	✓		✓						16
✓	Skunk Knoll ✓	✓		✓						17
✓	Skunk Knoll Brook ✓	✓		✓						18
✓	Sanborn ✓	✓		✓						19
✓	<del>Sanborn</del> Brook ✓	✓		✓						20
✓	Wescott Brook ✓	✓		✓						21
✓	Knight Road ✓	✓		✓						22
✓	Cold Spring Brook ✓	✓		✓						23
✓	had Gully ✓	✓		✓						24
✓	White Rock Road ✓	✓		✓						25
✓	Winship Corner ✓	✓		✓						26
✓	P, easant Ridge ✓	✓	(hill)	✓						27
✓	Ward Brook ✓	✓		✓						28

## Remarks

## Decisions

1		437704
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9		437703 437703
10		"
11		"
12		"
13	Pending with USCB	"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		
23		
24		
25		
26		
27		

# GEOGRAPHIC NAMES

Survey No. T-8511

4	Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrange Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K
✓	Gambo Falls			✓						1
✓	Newhall			✓	(also on quad. to north)					2
✓	Black Brook			✓						3
✓	Little Falls			✓						4
✓	Little Falls			✓	(settlement)					5
✓	South Windham			✓						6
✓	Windham Town Farm			✓						7
✓	Colley Wright Brook	✓		✓						8
✓	Land of Nod			✓	(locality)					9
✓	Union Chapel Hawks Road	✓		✓						10
✓	Small Hill	✓		✓						11
✓	Small Brook	✓		✓						12
✓	Canada Hill	✓		✓						13
✓	Canada Hill Road	✓		✓						14
✓	Milliken Brook	✓		✓						15
✓	Hardy Road	✓		✓						16
✓	Anderson Hill	✓		✓						17
✓	Anderson Brook	✓		✓						18
✓	Anderson School			X						19
✓	Lincoln Weeks Brook	✓		✓						20
✓	River Road			✓						21
✓	Westbrook			✓						22
										23
										24
										25
										26
										27

Names underlined in red approved  
by L. Heck on 5/15/47