

8527

Diag'd. on Diag. Ch. No. 1205(insert)

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photographic Topographic

Field No. CS-303-C, South Office No. T-8527

LOCALITY

State Maine and New Hampshire

General locality York Co., Me. & Strafford Co.,
N. H.

Locality East Dover

1943-44

CHIEF OF PARTY

Fred L. Peacock

LIBRARY & ARCHIVES

DATE May 24-1949

B-1870-1 (1)

8527

DATA RECORD

T- 8527

Quadrangle (II):

DOVER EAST, $7\frac{1}{2}$ Minute

Field Office:

Sanford, Maine

Compilation Office:

Baltimore, Md.

Instructions dated (II III):

May 1, 1943

Project No. (II):

CS-303-C, South

Chief of Party:

F. L. Gallen

Chief of Party:

Fred. L. Peacock *Division of*Copy filed in ~~Descriptive~~~~Report No. T-~~~~(VI)~~*Photogrammetry Office Files.*Completed survey received in office: *2 Nov. 1944*

Reported to Nautical Chart Section:

Reviewed: *7 April, 1944* Applied to chart No. 1205 (revised Date: *Sept, 1948*)Redrafting Completed: *31 May, 1944*Registered: *7 Oct. 1944*Published: *Feb. 1945*

Compilation Scale: 1:20,000

Published Scale: *1:25000*

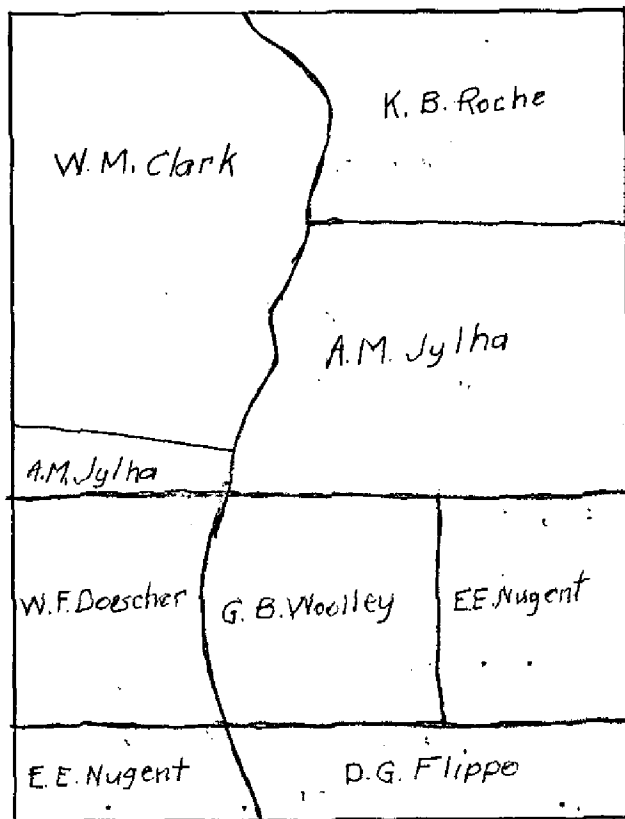
Scale Factor (III): None

Geographic Datum (III): N. A. 1927

Datum Plane (III): Mean Sea Level

Reference Station (III): DOVER, 1908

Lat.: $43^{\circ} 11' 15.811''$ $487.9m$ Long.: $70^{\circ} 51' 31.742''$ $716.8m$ ~~Adjusted~~
~~Unadjusted:~~State Plane Coordinates (VI): *Maine*X = *315,399.62 ft.*Y = *129,925.16 ft.*Military Grid Zone (VI) *Zone "A"*



Contours and field inspection as above
August to November, 1943.

STATISTICS (III)

Land Area (Sq. Statute Miles): 53

Shoreline (More than 200 meters to opposite shore): 23 Statute Miles

Shoreline (Less than 200 meters to opposite shore): 20 Statute Miles
(Measured along approximate center line of streams)

Number of Recoverable Topographic Stations established: 13 (8 of which are bench marks)

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles: 74 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:

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

This quadrangle, together with similar adjoining maps produced under Project C.S. 303C, 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:

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.

Contouring by planetable directly on the photographs. 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

Compilation on the map manuscripts by radial plot methods (celluloid hand templates) of all planimetry and contours. These manuscripts were drawn on the scale of 1:20,000 on celluloid sheets on which polyconic projections had been ruled with the Projection Ruling Machine in the Washington Office. Compilation was accomplished in the Baltimore Tampa Photogrammetric Office.

FIELD EDIT

Comparison of a copy of the 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.

FIELD INSPECTION REPORT
QUADRANGLE T-8527
PROJECT 303-C (SOUTH)
F. L. GALLEN, CHIEF OF PARTY

1. The area consists of steeply rolling country with occasional knolls rising well above the general landscape. The pattern of the contours are generally uniform with occasional irregularities at the higher and the lower elevations. The elevations vary from sea level to over three hundred feet. Much of the area appears to be granite overlaid with a thin mantle of sand and soil.

Much of the drainage consists of perennial swampy or marshy areas. Sturgeon Creek, which flows in a northwesterly direction, drains two large swampy areas. The Piscataqua and Bellamy River which flow in a southeasterly direction through the area are the main drainage streams.

Considerable farm land is found except in the eastern part of the area where the land is unsuited for agriculture and woods predominate. Numerous cleared areas are in grassland and some cleared areas are abandoned farms not yet reclaimed by the woods.

Most of the woods are a mixture of second growth coniferous and deciduous trees. A few small patches of original pine are still uncut. Small logging operations are in progress in the area.

State Highways Nos. 4, 16 and 23 are the main roads in the area. Many of the county roads are macadam surfaced and the roads in general are well maintained.

South Berwick, a mill town, is the principal town in the area. The west edge of the quadrangle passes through the eastern part of Dover.

2. The field inspection is complete. All woods, roads, buildings, boundaries, etc., have been classified and located where necessary. On Photograph No. 13813 the area in between the drainages and the main road in the north central portion of the photograph, and containing a series of small 200 foot knolls, has been logged and burned since the photograph was taken.

3. See the report for quadrangle T-8533.

4. The horizontal control is the subject of a separate report.

5. See the report for quadrangle T-8528, for methods.

The level line on Photograph No. 13813 which runs from the railroad crossing, elevation 72.7, to York Pond along the old county road appears to vary from the true elevation by a foot or two when comparing adjacent elevations left by the level party. No corrections were made as it was felt that the nature of the country did not warrant the expense.

6. See the report for Quadrangle T-8533.

In areas of thin top soil the run off is rapid and stream classification is largely a matter of judgement. Definite stream courses are not visible in some swampy areas, such as the vicinity of York Pond, and the stream course was sketched in from the best information available.

7. The mean high water line has been indicated on the photographs where it could be determined.

8. The low water line has been indicated on the photographs where it could be determined.

9. There are no wharves or shore line structure in this quadrangle.

10. Has been indicated on the photographs.

11. There are no land marks or aids to navigation in this quadrangle.

12. No hydrographic control was established in this quadrangle.

15. There are no landing fields or aeronautical aids in this quadrangle.

14. All roads are classified according to instructions from the Army War College, dated November 11, 1942.

15. The dimensions and load limits have been shown on the photographs, but they have not been classified.

16. All buildings have been classified in contrasting colors.

17. All town boundary lines have been indicated on the photographs. The lines in the southern part of the quadrangle are the subject of a separate report.

There is some doubt as to the proper position of the boundary line dividing Elliot and York subdivision. The corner post 30 feet from the shore of York Pond in the N.E. corner of the pond is not scribed. It was indentified by Mr. J. A. Parsons of South Berwick who has lived in the neighborhood for years. It is a granite post 2.4 feet above the ground 0.8 X 0.4 feet at its base. scribed?

18. Geographic names is the subject of a separate report. LK

19. The junction with the new U.S.G.S. quadrangle to the north was checked and is believed satisfactory. All junctions on adjacent photographs have been checked.

Approved and forwarded

F. L. Gallen
F. L. Gallen by J.R. Fish
Chief of Party

Submitted by

Arnold M. Jylha
Arnold M. Jylha by JRF
Sr. Photo. Aid.

BRIDGE AND TUNNEL CLASSIFICATION

<u>Third Symbol</u>	<u>One Lane</u>	<u>Unlimited</u>
Capacity	5 mph	
A	50 tons	26 tons
B	25 tons	18 tons
C	18 tons	13 tons
D	10 tons	7 tons
E	5 tons	4 tons
F	Light vehicles only	

Second

Vertical clearance

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

Third

Horizontal clearance

- A - over 28 feet
- B - over 27 feet
- C - over 26 feet
- D - over 25 feet, etc.

Fourth Symbol - Year of Classification

ROAD CLASSIFICATION AND LANE MARKINGS

CLASS	LABEL	STRUCTURE	LOADING
1	Durable hard-surface heavy duty road.	Concrete, asphaltic concrete bituminous Macadam, B-15 type structures.	Will bear heaviest loads with little maintenance.
2	Secondary, hard-surface all-weather road.	Surface-treated, clean gravel, waterbound Macadam, structures generally lighter than B-15 but sturdy.	Will bear fairly heavy military loads in all weather if maintained.
3	Worse-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	Track road	Woods roads, farm roads, etc. over which a standard page vehicle can be driven.	
6	Trail	(Horse trails, etc.)	

Roads with more than two (2) lanes are indicated by note along road, e. g. 3 LANES. Change in lanes shown by change in lane marking. Main roads have two lanes unless otherwise noted.

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

SUFFIXES

b - Barn
 Bldg - Building
 Ho Ho - Host House
 Ch - Church (give name)
 Co Ho - Court House (give name)
 F.O. - Post Office (give name)
 Sch - School (give name)
 Hos - Hospital (give name)
 RR Sta - Railroad Station
 Ste - Secretary Office or gas station
 P Sta - Power Station

SOONMARKS

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

LANDMARKS

PT - Fire Tower (give name)
 TY - Transmission Tower
 RF - Radio Tower or mast
 Air En - Airway Beacon
 En - Non-lighted aid to navigation
 LG - Lighted aid to navigation
 LE - Low tank
 Et elev - Tank elevated on structure
 Stk - Stack

GENERAL

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

SHORE LINES

H.L. - Mean high water; fast land
 L.W. - Low water line
 ML - Marsh shore line
 M - Marsh
 MW - Marsh grass in water
 Dk - Dock
 Pile - Pier
 Sea W - Sea Wall
 Bldg - Bulkhead
 Jet - Jetty
 Lol - Dolphin
 Pile - Pile
 S - Sand
 Mud - Mud

Rk - Rock or Rocky
 Sty - Sticky
 Conc - Concrete
 Wo - Wood
 Blf - Bluff
 Duro - Duro

STREAMS AND PONDS

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

VEGETATION

Gr - Grass
 Sw - Swamp
 Cy Sw - Cypress Swamp

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

RG	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 L/G; 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.

26 CONTROL:

The horizontal control stations used for the establishment of photograph centers, secondary control and detail points were as follows:

Horizontal Control Stations within the area of the
Map Manuscript:

FROST, 1908
WENT, 1908
DOVER, 1908
DOVER, ST. JOHNS METHODIST CHURCH CONICAL SPIRE, 1908
DOVER, FIRST PARISH CONGREGATIONAL CHURCH, VANE, 1908
· SOUTH BERWICK ACADEMY, 1908, CUPOLA
· SOUTH BERWICK, LARGE BLACK TANK, 1908
· GARRISON HILL LOOKOUT TOWER, 1943
· DOVER, PACIFIC MILLS, RED BRICK STACK, 1943
· ELLIOT GREENHOUSE STACK, 1943
· GRAY BARN, CUPOLA, 1908
· TANK, WINDMILL, 1908

Horizontal Control Stations just outside the area
of the Map Manuscript:

TT 10 TDA, 1940 U.S.G.S.
NORTH BERWICK, LARGE STANDPIPE, 1908
NORTH BERWICK, SMALL STANDPIPE, 1908
TT 11 TDA, 1940, U.S.G.S.
SOMERSWORTH, GREAT FALLS, DYE WORKS, STACK, 1943
1350+ U.S.G.S.
1414+ U.S.G.S.
DOVER, ST. MARYS CATHOLIC CHURCH SPIRE, 1908
NEWINGTON RAILROAD STATION NORTHWEST CHIMNEY, 1908

A number of horizontal control stations are shown on the Map Manuscript, which were not reported lost or destroyed by the Field Inspection Party responsible for the recovery of horizontal control for War Mapping. They are:

BARN, CUPOLA, (Double windows with green slats), 1908
DOVER, COLEMANS HOUSE CHIMNEY, (N.H.), 1908
GARRISON HILL HOUSE CUPOLA, (N.H.), 1908
OYSTER RIVER, FLAGSTAFF, (N.H.), 1908
RIDGE, CUPOLA, (Me.), 1908
SCHOOL VENTILATOR, (Me.), 1908
WHITE FLAGSTAFF, (Me.), 1908
YELLOW HOUSE, FLAGSTAFF, (Me.), 1908
· YELLOW, RED TOP CUPOLA, (Me.), 1908
YELLOW CUPOLA, HORIZONTAL STRIPES, (Me.), 1908
GARRISON HILL, 1943

27 RADIAL PLOT:

The radial plot for this Map Manuscript is described in Section 4 of the descriptive report of the radial plot for Project CS-303, which has been submitted to the Washington Office.

28 DETAILING:

The field inspection data was in general, satisfactory. No field inspection data was furnished the Compilation Office on the shore line of the Salmon Falls River north of the Salmon Falls Bridge. This shore line was delineated by stereoscopic examination of the office photographs.

Drainage, the limits of swamp and low ground areas, as shown by field inspection data, were verified by stereoscopic examination of the office photographs.

Bridges and culverts were shown where indicated on the field inspection photographs or where they were definitely discernible on the office photographs. Contrary to Paragraph 15 of the Field Inspection Report, partial bridge data only was furnished by the Field Inspection Party on the field inspection photographs. It is assumed by this Compilation Office, that all bridges will be classified during the time of the field edit.

All buildings shown on the field inspection photographs were first inked in on the nine lens office photographs and then transferred to the Map Manuscript.

29 SUPPLEMENTAL DATA:

The following supplemental data was used in the compilation of this Map Manuscript:

Blueprint, Map of the city of Dover, N. H.
Blueprint showing a profile of the Boston & Maine Railroad
Tracing of the city of Somersworth, N. H.

The following previous topographic surveys, made by the U. S. Coast & Geodetic Survey, were not available to this Compilation Office:

Survey No.	Date	Scale
T-2958	1909	1:10,000
T-2903	1908-1909	1:10,000
T-2511	1900-1909	1:10,000
T-2511a	1900-1909	1:10,000

30 MEAN HIGH-WATER LINE:

The Mean High-Water Line was determined by stereoscopic examination of the office photographs, with the aid of partial data furnished on the field inspection photographs.

31 LOW WATER AND SHOAL LINES:

Approximate Low-Water and Shoal Lines were detailed in accordance with the data furnished on the field inspection photographs, and careful examination of the office photographs.

32 DETAILS OFFSHORE FROM THE HIGH-WATER LINE:

Several small islands are just offshore of the ^{Mean} Main High-Water Line. These have been detailed from the examination of office photographs with the aid of field inspection data.

33 WHARVES AND SHORE LINE STRUCTURES:

No wharves or shore line structures are visible on the office photographs. See paragraph 45 COMPARISON WITH NAUTICAL CHARTS:

34 LANDMARKS AND AIDS TO NAVIGATION:

None were shown by field inspection data and no fixed aids to navigation are visible on the photographs or shown on the portions of Nautical Chart No. 229, scale 1:30,000, covering the area of this Map Manuscript.

35 HYDROGRAPHIC CONTROL:

Form No. 524 is being submitted with this descriptive report for 13 Recoverable Topographic Stations, 8 of which are believed suitable for partial Hydrographic Control as long as they remain in position. They are:

TIDAL BENCH MARK NO. 1, SOUTH BERWICK, Maine
TIDAL BENCH MARK NO. 2, SOUTH BERWICK, Maine
TIDAL BENCH MARK NO. 3, SOUTH BERWICK, Maine
SALMON FALLS MILL, CHIMNEY, 1943
ROBERGE WATER TANK, 1943
SALMON FALLS MUNICIPAL WATER CO. TANK, 1943
TWIN STATE MILLS WATER TANK, 1943
WENTWORTH HOSPITAL, CHIMNEY, 1943

BH E-6 1923
F-6 "
2-1
99 (USGS)
101-7 "

The five Recoverable Topographic Stations not believed suitable for Hydrographic Control are bench marks, located well within the interior area of the Map Manuscript.

36 LANDING FIELDS AND AERONAUTICAL AIDS:

There are no landing fields or aeronautical aids within the area of this Map Manuscript.

37 DISCREPANCY OVERLAY:

Accompanying this Map Manuscript, is a discrepancy overlay. On it are notes calling attention to detail to be investigated and clarified during the field edit. A set of General Notes has been included to explain the symbols used on both the Map Manuscript and the discrepancy overlay.

38 GEOGRAPHIC NAMES:

The results of a geographic name investigation, by A. J. Wraight, have been furnished the Compilation Office on the Dover, N. H., Maine, 15 minute U. S. Geological Survey quadrangle. Only the undisputed names have been shown on this Map Manuscript. A list of undisputed, disputed, and recommended names is attached to this report.

39 HORIZONTAL ACCURACY:

The horizontal accuracy of this Map Manuscript is believed to be within the limits set forth for well-defined and less well-defined points of detail, in the instructions for Project CS-303, paragraph 23, dated May 1, 1943.

40 RECOMMENDATIONS FOR FUTURE SURVEYS:

The planimetric detail, including data furnished on the field inspection photographs, is believed to be complete as presented on this Map Manuscript. It is subject to corrections, deletions and additions during the field edit.

41 JUNCTIONS:

The following satisfactory junctions have been made:

- To the north with Map Manuscript for Survey No. T-8522.
- To the east with Map Manuscript for Survey No. T-8528.
- To the south with Map Manuscript for Survey No. T-8531.
- To the west with Map Manuscript for Survey No. T-8526.

42 REMARKS:

An adequate description of the area covered by this Map Manuscript is contained in the report of the Field Inspection Party.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLE:

A visual comparison with the Dover, Maine-N.H. quadrangle of the U. S. Geological Survey shows common detail to be in fair agreement.

45 COMPARISON WITH NAUTICAL CHARTS:

Minute comparison was made with U. S. Coast & Geodetic Survey Chart No. 229, dated April 1938, reissued September 15, 1943, scale 1:30,000. Common detail is in generally fair agreement. However, the following differences were noted:

A wharf on the west side of the Piscataqua River, opposite Sturgeon Creek, is not shown on the Map Manuscript and is not visible on the nine lens photographs.

The remaining piling of the ruins of a wharf on the east side of the Piscataqua River, about $\frac{1}{2}$ mile south of Sturgeon Creek, is not visible on the photographs and is not shown on the Map Manuscript.

Visual comparison was made with U. S. Coast & Geodetic Survey Charts No. 50, scale 1:210,000 and No. 1206, scale 1:80,000. Common detail is in generally fair agreement.

Respectfully submitted,
February 8, 1944

Harold R. Brooks
Harold R. Brooks
Sr. Engineering Aid

Map Manuscript and Discrepancy Overlay Reviewed by:

Harold R. Brooks
Harold R. Brooks
Sr. Engineering Aid

Descriptive Report reviewed
and Compilation of Map Manuscript Supervised by:

Joseph Steinberg
Joseph Steinberg
Asst. Photogrammetric Eng.

and

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

Approved & Forwarded:
February 11, 1944

Fred. L. Peacock
Fred. L. Peacock
Commander, C & G Survey
Officer-in-Charge
Baltimore Photogrammetric Office

LIST OF GEOGRAPHIC NAMES

Undisputed

- | | | |
|--------------------------------|----------------------------|---------------------|
| ✓ Atkinson Hill | ✓ Hill Road | ✓ Stacy Creek |
| ✓ Back River Road | ✓ Hilton | ✓ Strafford County |
| ✓ Back Road | ✓ Huckleberry Hill | ✓ Sturgeon Creek |
| ✓ Bay View Road | ✓ Indigo Hill | ✓ Sunset Hill |
| ✓ Beach Road | ✓ Kennard Corner (Town) | ✓ Swasey Hill |
| ✓ Bellamy | ✓ Kittery (Township) | ✓ Third Hill |
| ✓ Bellamy River | ✓ Lord Brook | ✓ Tidy Road |
| ✓ Bennett Brook | ✓ Madbury (Township) | ✓ Turkey Swamp |
| ✓ Berwick (Township) | ✓ Maine | ✓ Turnpike School |
| ✓ Boston & Maine R.R. | ✓ Marsh Hill | ✓ Twombly Brook |
| ✓ Brattle School | ✓ Marsh Brook | ✓ Upper Neck School |
| ✓ Canney Brook | ✓ Marsh Swamp | ✓ Varney Brook |
| ✓ Clarke School | ✓ Marshwood (Town) | ✓ Vaughan Hill |
| ✓ Cochecho River | ✓ Middle Road | ✓ Wilson Road |
| ✓ Cox Brook | ✓ Mt. Pleasant | ✓ Witchrot Hill |
| ✓ Cox Pond | ✓ New Hampshire | ✓ Witchrot Road |
| ✓ Crocketts | ✓ Old York Road | ✓ Witchrot School |
| ✓ Cummings Hill | ✓ Oyster River | ✓ Yeaton Hill |
| ✓ Cummings Station | ✓ Payne Hill | ✓ York (Township) |
| ✓ Cushings | ✓ Pear Yard School | ✓ York County |
| ✓ Depot Road (Eliot Twp.) | ✓ Piscataqua River | ✓ York Pond |
| ✓ Depot Road (S. Berwick twp.) | ✓ Portland Road | ✓ York River |
| ✓ Dover (Town) | ✓ Powderhouse Hill | |
| ✓ Dover (Township) | ✓ Quamphegan Brook | |
| ✓ Dover City Farm | ✓ Ricker Hill | |
| ✓ Dover Neck | ✓ River Road | |
| ✓ Draws Hill | ✓ Rollins Brook | |
| ✓ Driscoll Brook | ✓ Rollinsford (Town) | |
| ✓ Durham (Township) | ✓ Rollinsford (Township) | ✓ Rollinsford Road |
| ✓ East Eliot | ✓ Rollins Hill | |
| ✓ East Side State Road | ✓ Rollins Neck | |
| ✓ Eliot (Township) | ✓ Rollins Neck Road | |
| ✓ Emerson Brook | ✓ Rosemary (Town) | |
| ✓ Fletcher Hill | ✓ Salmon Falls | |
| ✓ Fort Hill | ✓ Salmon Falls River | |
| ✓ Fresh Creek | ✓ School No. 1 | |
| ✓ Frost Hill | ✓ School No. 2 | |
| ✓ Frost Hill Road | ✓ School No. 4 | |
| ✓ Garrison Hill | ✓ Seammel Bridge | |
| ✓ Garvin Brook | ✓ Sherburn Brook | |
| ✓ Garvin Hill | ✓ Shoreys Brook | |
| ✓ Goat Island | ✓ Slate Hill | |
| ✓ Goodwin Hill | ✓ Sligo Brook | |
| ✓ Goodwin Hill Brook | ✓ Sligo Hill | |
| ✓ Goodwin Road | ✓ Sligo Road | |
| ✓ Gould Corner | ✓ Somersworth (Township) | |
| ✓ Great Brook | ✓ South Berwick (Town) | |
| ✓ Great Works (Town) | ✓ South Berwick (Township) | |
| ✓ Great Works Pond | ✓ South Berwick Road | |
| ✓ Great Works River | ✓ Spruce Creek | |
| ✓ Gulf Road | ✓ Spruce Lane | |

LIST OF GEOGRAPHIC NAMES

Disputed

Disputed

Agamenticus

Conway Jct.

Eliot

Frosts Hill (First Hill)

Rocky Hill

Second Hill

Tyson Brook

York Road

Recommended

✓Agamenticus Station

✓Jewett

✓Eliot Depot

✓Great Hill

✓Rocky Hills

✓Raitt Hill

✓Hamilton Brook

✓Yorkwoods Road

DELETION

South Berwick Jet

Remarks

Decisions

	Remarks	Decisions
1		USGB
2		"
3		
4		
5		
6		
7		
8		
9		Railway Guide
10		Road Maps
11		"
12		"
13		430707
14		"
15		431707
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		431706
27		431707

GEOGRAPHIC NAMES

Survey No. T-8527

DOVER EAST quadrangle
1 Name on Survey

	A	B	C	D	E	F	G	H	K
✓ <u>Maine</u>									1
✓ <u>New Hampshire</u>									2
✓ <u>York County</u> ✓ (Me.)									3
✓ <u>Strafford County</u> ✓ (N.H.)									4
✓ <u>Rockingham County</u> , ✓ " : only a water area at southwest corner.									5
✓ <u>Towns of Kittery, Eliot, York, South Berwick, Berwick</u> (York Co.)									6
✓ <u>Towns of Durham, Madbury, Dover, Rollinsford, Somersworth</u> (Strafford Co.)									7
✓ <u>Town of Newington</u> in Rockingham County (only land is part of Goat I.)									8
✓ <u>Boston and Maine R.R.</u> ✓									9
✓ <u>U.S. No. 4</u> ✓									10
✓ <u>Maine Road No. 103</u> ✓									11
✓ <u>N.H. Nos. 4, 16</u> (possibly a little of No. 9 in northwest corner)									12
✓ <u>Piscataqua River</u> ≡									13
✓ <u>Spruce Creek</u> ≡									14
✓ <u>Beach Road</u> ≡									15
✓ <u>Kennard Corner</u> ≡									16
✓ <u>Marsh Swamp</u> ≡									17
✓ <u>Great Brook</u> ≡									18
✓ <u>Marsh Hill</u> ≡									19
✓ <u>Marsh Brook</u> ≡									20
✓ <u>Slate Hill</u> ≡									21
✓ <u>Wilson Road</u> ≡									22
✓ <u>East Eliot</u> ≡									23
✓ <u>Frost Hill</u> ≡									24
✓ <u>Frost Hill Road</u> ≡									25
✓ <u>York River</u> ≡									26
✓ <u>Raitt Hill</u> ≡									27

Remarks

Decisions

	Remarks	Decisions
1	Pending with USGB	431707
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		432707
12		"
13		"
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16		"
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21		432708
22		432707
23		"
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25		432708
26		"
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GEOGRAPHIC NAMES

Survey No. T-8527

2

Name on Survey	On Chart No.		On previous survey		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							
✓ <u>Great Hill</u>	1															1
✓ <u>Resemary</u>	1															2
✓ <u>Yorkwoods Road</u>	1															3
✓ <u>Sherburn Brook</u>	1															4
✓ <u>Third Hill</u>	1															5
✓ <u>Payne Hill</u>	1															6
✓ <u>Turkey Swamp</u>	1															7
✓ <u>Old York Road</u>	1															8
✓ <u>Swasey Hill</u>	1															9
✓ <u>York Pond</u>	1															10
✓ <u>South Berwick Road</u>	1															11
✓ <u>Rocky Hills</u>	1															12
✓ <u>Jewett</u>	1															13
✓ <u>Cox Pond</u>	1															14
✓ <u>Cox Brook</u>	1															15
✓ <u>Bennett Brook</u>	1															16
✓ <u>Witchrot Road</u>	1															17
✓ <u>Witchrot Hill</u>	1															18
✓ <u>Great Works</u> (village)	1															19
✓ <u>Goodwin Hill Brook</u>	1															20
✓ <u>Depot Road</u> (near South Berwick)	1															21
✓ <u>Agamenticus Station</u>	1															22
✓ <u>Witchrot School</u>	1															23
✓ <u>Clarke School</u> Love Brook	1															24
✓ <u>Goodwin Hill</u>	1															25
✓ <u>Driscoll Brook</u>	1															26
✓ <u>Cummings Hill</u>	1															27

T-8527

3

Remarks

Decisions

	Remarks	Decisions
1		432708: all names on
2		this sheet are on
3		this section sheet
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GEOGRAPHIC NAMES

Survey No. T-8527

g	Name on Survey										
		A	B	C	D	E	F	G	H	K	
		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		
✓	Cummings Station	-								1	
	School No. 1	-								2	
✓	South Berwick	-								3	
✓	Powderhouse Hill	-								4	
✓	Salmon Falls (village)	-								5	
	Yeston Hill	?								6	
✓	Indigo Hill	-								7	
✓	Crocketts	-								8	
✓	Twombly Brock	-								9	
✓	Ricker Hill	-								10	
✓	Rollinsford	-								11	
✓	Rollins Neck Road	-								12	
✓	Rollins Hill	-								13	
✓	Rollins Brook	-								14	
✓	Fletcher Hill	-								15	
✓	Pear Yard School	-								16	
✓	Rollinsford Road	-								17	
✓	Garrison Hill	-								18	
✓	Rollins Neck	-								19	
✓	Portland Road	-								20	
✓	Sligo Road	-								21	
✓	Garvin Hill	-								22	
✓	Turnpike School	-								23	
✓	Sligo Brook	-								24	
✓	Sligo Hill	-								25	
✓	Great Works River	-								26	
✓	Great Works Pond	-								27	

Remarks

Decisions

	Remarks	Decisions
1		432708
2		"
3		"
4		431708: all names to bottom on this section sheet
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GEOGRAPHIC NAMES

Survey No. T-8527

A	Name on Survey	Sources										
		A	B	C	D	E	F	G	H	K		
		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			
✓	Brattle School											1
	Hamilton Brook											2
✓	Vaughan Hill											3
✓	Quamphegan Brook											4
✓	Lord Brook											5
✓	Shoreys Brook											6
✓	Salmon Falls River											7
✓	Gould Corner											8
✓	Goodwin Road											9
✓	Tidy Road											10
✓	Eliot Depot											11
✓	Depot Road State St / Depot / School No. 2											12
✓	Sturgeon Creek School No. 2											13
✓	Marshwood (settlement)											14
✓	Hill Road											15
✓	River Road											16
✓	Stacy Creek											17
✓	Sunset Hill											18
✓	Dover Neck											19
✓	East Side State Road											20
✓	Hilton											21
✓	Fort Hill											22
✓	Bellamy											23
✓	Hickleberry Hill											24
✓	Cushings											25
✓	Upper Neck School											26
✓	Middle Road											27

Remarks

Decisions

	Remarks	Decisions
1		431708: all names
2		through line 24 on
3		this section sheet.
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GEOGRAPHIC NAMES

Survey No. T-8527

5	Name on Survey	Sources										
		A	B	C	D	E	F	G	H	K		
		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			
✓	<u>Canney Brook</u>	✓										1
✓	<u>Varney Brook</u>	✓										2
✓	<u>Mount Pleasant</u>	✓										3
✓	<u>Back Road</u>	✓										4
✓	<u>Cocheco River</u>	✓										5
✓	<u>Garvin Brook</u>	✓										6
✓	<u>Gulf Road</u>	✓										7
✓	<u>Fresh Creek</u>	✓										8
✓	<u>Emerson ASAS Brook</u>	✓										9
✓	<u>Dover</u>	✓										10
	(part of city)											
✓	<u>Dover City Farm</u>	✓										11
✓	<u>Bellamy River</u>	✓										12
✓	<u>Spruce Lane</u>	✓										13
✓	<u>Drews Hill</u>	✓										14
	(partly here)											
✓	<u>Bay View Road</u>	✓										15
✓	<u>Back River Road</u>	✓										16
✓	<u>Back River School</u>	✓										17
	(here or on quad. to west?)											
✓	<u>Atkinson Hill</u>	✓										18
✓	<u>Clements Point</u>	✓										19
✓	<u>Scammel Bridge</u>	✓										20
✓	<u>Goat Island</u>	✓										21
✓	<u>Little Bay</u>	✓										22
	mostly on quad to South 8531											
✓	<u>Royalls Cove</u>	✓										23
✓	<u>Cedar Point</u>	✓										24
												25
												26
												27

Names underlined in red approved
by L. Heck on 5/18/44

FIELD EDIT REPORT
TO ACCOMPANY
QUADRANGLE T-8527
PROJECT 303-C

46. The field edit of this quadrangle was accomplished by 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 have been classified according to instructions. The various field edit notes were applied to the cloth backed copy of the compilation according to the following color scheme:

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

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 except in the north portion where the field inspection photographs were not available to the field edit party for the usual check on drainage with the stereoscope. Some contours have been reshaped or deleted and some drainage has been corrected with the aid of the stereoscope after being checked in the field.
48. Accuracy tests, both vertical and horizontal, are the subjects of special reports on Project 303-C. *General files, Div. of Photogrammetry.*
49. Junctions have been checked with T-8526 on the west, T-8528 on the east and T-8531 on the south.

Submitted by:

Donald G. Flipppo per F.L.G.

Donald G. Flipppo
Sr. Photo. Aid

Approved and forwarded by:

F.L. Gallen

F.L. Gallen
Chief of Party

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T- 8527

EAST DOVER QUADRANGLE Me-N.H.

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: 13 test points of which 11 were well-defined points. Only one of these points was displaced more than 0.50mm. (Traverse Line No. 15.)

Vertical: All contours are within $\frac{1}{2}$ contour interval of the true elevation. (Lines "P" and "N")

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-2958 1/10000 1909
U.S.G.S. Dover Quadrangle, 1/62500

<u>Comparison with Nautical Charts Nos.</u>	229	1/30000	1942
	1206	1/80000	1942

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:

(See subject 45 in descriptive report)

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

Review report made from notes given by reviewer. (LTS)

Reviewed _____ By H. O. Miller
under direction of D. H. Benson *per TS*

Inspected by B. G. Jones *B. G. Jones*

Examined and approved:

[Signature]
Chief, ~~Surveys Branch~~
Nautical Chart

~~Chief, Div. of Charts~~

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

W. M. Acuffe
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,