8522

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-D Office No. T-8522

LOCALITY

State Maine

General locality Berwick

Locality Somersworth - N.H. - Me.

1944

CHIEF OF PARTY

Fred L. Peacock

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DATE May 24, 1949

B-1870-1 (1)

8522

Form T-1

DATA RECORD

T- 8522

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

Project No. (II): C. S. 303-D

Field Office: Sanford, Me.

Chief of Party: F. L. Gallen

Compilation Office: Baltimore, Md.

Chief of Party: Fred. L. Peacock

Instructions dated (II III):
May 1, Aug. 31, and Nov. 27, 1943.

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

Completed survey received in office: 14 April, 1944

Reported to Nautical Chart Section:

Reviewed: 10 May, 1944 **Applied to chart No.** **Date:**

Redrafting Completed: 31 May, 1944

Registered: 8 Oct. 1948 **Published:** March 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): TT 10 TDA, 1940 (U. S. G. S.)

Lat.: 43o 15' 06.23(192.3 M) **Long.:** 70° 47' 57.02(1286.3M) ~~Adjusted~~ Unadjusted ~~Unknown~~

State Plane Coordinates (VI): Unavailable at time of review.

X = **Y =**

Military Grid Zone (VI) "A" & Harbor Defense Grid

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
13837 to 13838 Inc.	4-18-43	3:18 P. M.	1:20,000	No Tidal Waters
13839 to 13840 "	4-18-43	3:34 P. M.	1:20,000	Within the Limits of
13831 to 13832 "	4-18-43	2:56 P. M.	1:20,000	this Map Manuscript.
13833 to 13835 "	4-18-43	3:10 P. M.	1:20,000	
13807 to 13811 "	4-18-43	2:42 P. M.	1:20,000	
13812	4-18-43	2:56 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 8¼")

Field Inspection by: Morris W. Burr **date:**

Field Edit by: Morris W. Burr **date:** Fall 1943.
L. G. Chambers April, 1944

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

Projection and Grids ruled by (III) Washington Office **date:** Unknown

" " " **checked by:** " " **date:** "

Control plotted by: H. P. Eichert, Washiggton Office **date:** 11/24/43. Unknown

Control checked by: J. Steinberg, Washington Office **date:** 11/26/43. Unknown

Radial Plot by: J. Edw. Deal, Jr. & Joseph Steinberg **date:** 12/21/43.

Detailed by: John M. Reinoldi **date:** 1/27/44 to 4/14/44

Reviewed in compilation office by: Henry P. Eichert **date:** 4/10/44 to 4/14/44.

Elevations on ~~Field Edit Sheet~~ Map Manuscript **checked by:** L. G. Chambers **date:** April, 1944

STATISTICS (III)

Land Area (Sq. Statute Miles): 54

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

Shoreline (Less than 200 meters to opposite shore): 9 Statute Miles
(Measured along approximate center line of streams)

Number of Recoverable Topographic Stations established: None
(12 Bench Marks were transferred directly from U. S. Geological Survey Quadrangle)

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles:

Roman numberals 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

T- 8522

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

AVAILABLE MAPS

The purpose of projects C. S. 303B and 303D was to prepare 1;25000 scale 7½-minute quadrangles, 20 foot contour interval. The U. S. Geological Survey had recently completed 1:62500 scale quadrangles of this area, and it was decided after conversation with the War Department to use the contours and as much of the planimetry as possible from these existing maps.

Copies of the U.S.G.S. source material were obtained, and on projects 303B and 303D this material was assembled into 7½-minute quadrangles and printed on metal-mounted boards in blue for field use. Copies of these same quadrangle assemblies were prepared for the photogrammetric office.

FIELD SURVEYS

The area was photographed at 1:20000 scale with the nine-lens camera.

Field surveys prior to compilation include:

(a) Vertical accuracy test of the U.S.G.S. contours. The 1:25000 scale blueline boards mentioned above were used for this purpose. In general, the contouring checked well within the required accuracy for the 1:25000 scale maps.

(b) Horizontal accuracy test, which indicated that, generally, the planimetry from the 1:62500 scale maps was not in sufficient detail and not quite within the accuracy requirements for the 1:25000 scale quadrangles

(c) Field inspection of the aerial photographs for clarification of details.

COMPILATION OF MANUSCRIPT

Photogrammetric office work included:

(a) Compilation at a new 1:20000 scale planimetric map from the nine-lens photographs and field inspection data.

(b) Compilation onto the planimetric map of contours from the blueline boards mentioned above, and including the corrections made by the field party.

FIELD EDIT

The compiled manuscripts, as mentioned above, were field-edited for details, but, generally, this work did not include accuracy tests, since these tests were made prior to compilation, as mentioned under Field Surveys.

Memorandum to Accompany Map Manuscript T-8522, Project C S 303 D

Methods of compiling and using U. S. Geological Survey data on this project are covered in instructions dated May 1, 1943 and August 31, 1943.

The celluloid manuscript for T-8522 was compiled in the Washington Office from Geological Survey data in the summer of 1943:

1. Planimetry was traced directly from reduced copies of the multiplex manuscripts.

2. Planimetry was then corrected and amended in accordance with copies of the Geological Survey planetable sheets. This applied particularly to buildings, many of which were corrected in position and added by the planetable survey.

3. Contours were traced directly from enlarged copies of the Geological Survey planetable sheets.

The compiled manuscript was then reproduced and prints sent to the field for horizontal and vertical accuracy tests. The tabulated results of these tests are attached and shall be included with this memorandum in the Descriptive Report.

The celluloid manuscript and the printed copy used by the field party for the horizontal and vertical accuracy tests are to be forwarded to the Baltimore Photogrammetric Office. The planimetry on this quadrangle is to be corrected in the Photogrammetric Office in accordance with the instructions dated August 31, 1943.

The corrected manuscripts will be reproduced and copies forwarded to the field for field edit in the usual manner.

B. G. Jones

FIELD EDIT REPORT
QUADRANGLE T-8522
Project CS-303-D
F. L. Gallen, Chief of Party

2. COMPLETENESS OF FIELD EDIT:

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 areas were designated. Many small cemeteries were shown for their topographic value.

6. See report for T-8505.

14. ROADS:

Unimproved roads in almost daily use were classified 4U. Unimproved roads that are used only occasionally or the reason for whose use has disappeared were classified as trails.

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 Berwick, 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. Wraight.

46. METHODS:

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 Berwick and the drainage. The public and commercial buildings in Berwick were inked in green and black. The drainage was inked in blue.

47. ACCURACY OF COMPILATION:

In this quadrangle no compilation was available for comparison.

48. ACCURACY TESTS:

The accuracy tests for this area are the subject of a special report on this quadrangle. Attached to this Descriptive Report.

Approved and forwarded by:

F. L. Gallen
Chief of Party

Submitted by:

Morris W. Burr
Sr. Photo. Aid

26. CONTROL.

The Washington Office identified on the nine lens office photographs, by office inspection, the following U. S. Geological Survey Traverse Stations.

The Traverse Stations falling within the limits of the Map Manuscript are:

1311
T T 25 T D A, 1940 ℄ BM.
1342
T T 26 T D A, 1940 ℄ BM.
1333 +
1347 +
744 +
108
1350 +
756 +
731
725 +
712 +
715 +
706 +

The Traverse Stations falling just outside the limits of the Map Manuscript are:

124	1285
1239	1282
770	1322
225	158 +
226	136 +
1272	129 +
1265	121 +
1263	
T T 3 S Z, 1940	

The Field Inspection Party recovered and identified the following horizontal control stations:

NORTH BERWICK LARGE STANDPIPE, 1908
NORTH BERWICK SMALL STANDPIPE, 1908
SOMERSWORTH GREAT FALLS DYE WORKS, STACK, 1943
T T 10 T D A , 1940 (U. S. G. S.) ℄ BM
T T 11 T D A, 1940 ℄ BM
(U. S. G. S.)

Bench Marks:
MA-1 (203.6')
MHA-2 (CWA) (170.5')
62 TDA (USGS) (165.8')

26. CONTROL: (Cont'd.)

All of the above Horizontal Control Stations were used to establish photograph centers, secondary, and detail points, for this Map Manuscript.

In addition to the above Horizontal Control, the Compilation Office was furnished the geographic positions and identified locations of Horizontal Accuracy Test Traverse No. 2 and No. 4. Portions of both of these Horizontal Accuracy Test Traverses fall within the area of this Map Manuscript and were used as supplementary Horizontal Control.

27. RADIAL PLOT:

The Washington Office furnished the Compilation Office the U. S. Geological Survey data for this quadrangle (survey No. T-8522) brought to 1:20,000 scale, recompiled and drafted in the Washington Office on a new polyconic projection on celluloid.

The Washington Office also plotted the geographic positions of all the U. S. Geological Survey Traverse Stations, which they had identified by office inspection, on the above reproduced survey.

Ten mounted and five unmounted nine lens photographs were used in this radial plot.

Each photograph was oriented under the Map Manuscript holding to its respective horizontal control. Radials were then drawn to well defined points which had been selected for secondary control. After all the photographs which fell in the area of the Map Manuscript had been oriented in this manner and their respective centers established it was found that good intersections had been obtained on all the secondary control points. These were then pricked and shown on the reverse side of the Map Manuscript with double purple ink circles. It was noticed that many of these secondary control points did not verify their respective position as shown on the reproduced survey furnished this compilation office.

28. DETAILING:

The field inspection data was in general satisfactory. Drainage and the limits of swamp areas were established by stereoscopic examination of the office photographs aided by field inspection data.

Bridges and culverts were shown where indicated by field inspection data.

Buildings which were shown by field inspection data were, as far as possible inked in on the nine lens office photograph and

28. DETAILING: (Cont'd.)

then transferred to the Map Manuscript. Some buildings which could not be seen on the Office photographs were detailed from the field inspection photographs. Detail points were pricked on these photographs and the buildings as located by the field inspection party were transferred to the Map Manuscript.

Most of the planimetry as shown on the reproduced survey of the U. S. Geological survey was moved considerably.

In numerous cases contours were adjusted to conform to drainage as shown on field inspection and verified with the aid of the stereoscope. In some few cases where verifications of drainage ~~was~~ were doubtful, the drainage was revised slightly to conform ~~to~~ with the contours.

In some cases the contours could not be adjusted to drainage shown on field inspection and verified through stereoscopic examination of Office photographs. These places were indicated on the discrepancy overlay for special investigation.

29. SUPPLEMENTAL DATA:

This compilation office was furnished a blue print of the Boston and Maine R. R. showing Plan and Profile of Railroad. Culverts bridges and overpasses detailed from Photographs were found to be in agreement with locations shown on blue print.

Paragraphs 30 to 35 Inclusive, are not applicable to this Map Manuscript.

36. LANDING FIELDS AND AERONAUTICAL AIDS:

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

37. DISCREPANCY OVERLAY:

Accompanying this Map Manuscript is a discrepancy overlay. On it are notes which are deemed likely to be helpful where special investigation is believed necessary. A set of general notes has been included to explain the symbols used on both the Map Manuscript and the discrepancy overlay.

Some of the notes on the discrepancy overlay indicate places where the U. S. Geological Survey contours could not be made to conform to the drainage, which was field inspected and verified with the aid of the stereoscope.

38. GEOGRAPHIC NAMES:

The Washington Office furnished the Compilation Office the results of a geographic name investigation by A. J. Wraight on the U. S. Geological Berwick, N. H. 15 minute quadrangle.

Only the undisputed names have been shown on the Map Manuscript. A list of undisputed, disputed, and recommended names 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 and less well defined points of detail in the instructions for project C. S. 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. This Map Manuscript is subject to corrections, additions, and deletions at the time of a final field edit.

41. JUNCTIONS:

The following satisfactory junctions with adjoining surveys, have been made

To the East with Map Manuscript for survey No. T-8523
To the South with Map Manuscript for survey No. T-8527

To the North and West there are no contemporary surveys available to the compilation office, for junction purposes.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

Due to scale difference only a visual comparison could be made with the U. S. Geological Survey, Berwick, N. H. 15 minute Quadrangle, scale 1:62,500. The common planimetric detail appeared to be in fair agreement.

45. COMPARISON WITH NAUTICAL CHARTS:

There are no nautical charts covering the area of this Map Manuscript.

Respectfully submitted,
April 13, 1944.

John M. Reinoldi
Senior Engineering Aid

Map Manuscript and Discrepancy
Overlay Reviewed by:

Henry P. Eichert
Junior Photogrammetric Engineer

Descriptive report reviewed and
Compilation of Map Manuscript
Supervised by:

Joseph Steinberg
Ass't. Photogrammetric Engineer

and

J. Edward Deal, Jr.
Ass't. Photogrammetric Engineer.

Approved & Forwarded:

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

FIELD EDIT REPORT
TO ACCOMPANY
QUADRANGLE T-8522
PROJECT 303-D

46. The special investigation of this quadrangle consisted mainly of corrections of discrepancies between the contours as shown by the U.S.G.S. and the drainage shown by the Coast Survey field inspection. These corrections were made with the aid of the stereoscope after being verified in the field. Additional roads were classified along with swamps, buildings and other topographical features. Bridges and culverts were inspected and classified where omitted by the field edit party. The field edit notes were applied to the ozalid print of the map manuscript according to the following color scheme:

Drainage	Blue
Contours	Brown
Additions	Black
Deletions	Green

Notes on the discrepancy overlay were checked with red ink.

47. The compilation is believed to be complete and accurate as corrected by the field edit. Elevations have been shown and checked for all bench marks which appear in the quadrangle.

48. Accuracy tests, both vertical and horizontal, are the subjects of special reports on Project 303-D.

49. Junctions have been checked with T-8527 on the south, and T-8523 on the east. There are no contemporary surveys to the north and west.

Submitted by:

L. G. Chambers per FLG

L. G. Chambers
Prin. Photo. Aid

Approved and forwarded by:

F. L. Gallen

F. L. Gallen
Chief of Party

WAR MAPPING PARTY NO. 1
VERTICAL ACCURACY TEST

PROJECT CS-303D TRAVERSES NOS. 1-4

QUADRANGLE T-8522

Four vertical accuracy traverses, Nos. 1 to 4, were run in this quadrangle. All traverses are closed traverses by plane table and stadia, with horizontal closures of 10 meters or less, and vertical closures of 1 foot or less. The horizontal control for the ends of the traverses are either monumented U.S.G.S. traverse stations or points on one of our horizontal accuracy traverses. The vertical control for Traverse No. 1 is from bench marks, for No. 2 from a single run, spur level line checked within 1 foot by a U.S.G.S. road elevation, for No. 3 from an adjusted fly level line between bench marks (closure 2.0 feet, length about 9 miles), for No. 4 from U.S.G.S. road elevations checked against themselves.

The areas tested show over 90% of the contour elevations within ½ contour interval of the true geographic position without any horizontal shift, and only one contour, the 280 foot contour at position "U", Traverse No. 2, to be out over 1 contour interval. A horizontal shift of about 30 feet to the north would bring this contour within the requirements. The small draw shown in this location is exaggerated in size and probably accounts for the discrepancy. It was noted that there was a tendency for the draws to be over stressed.

Recommendation:

It is recommended that the contours in this quadrangle be accepted as complying with the National Standard Map Accuracy requirements.

Respectfully submitted:

Gilbert R. Fish
Lieut. Comdr. C & G. Survey

Approved and Forwarded
F. L. Gallen

Chief of Party

Field Sheets are filed with original of this report in the files of the Review Section
NKD 4/19/45

Horizontal accuracy tests on this quadrangle were made to test the U.S.G.S. planimetry. The test showed the U.S.G.S. work to be slightly outside specifications and all planimetry on T-8522 has been re-compiled or corrected by plotting nine-lens photographs. The accuracy test traverse was used to control the nine-lens plot and, therefore, is not available for testing that work. However, since each nine-lens photograph was fixed, there is no reason to question the accuracy of the compilation.

BGG

File in dec. inf. envelope T8522

POST-OFFICE ADDRESS: 601-611 Gorsuch Avenue, Baltimore-18, Maryland.
KTH
TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

826

1943 DEC 10 AM 8:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

December 8, 1943.

To: Lieutenant Commander F. L. Gallen
Chief, War Mapping Field Party No. 1
U. S. Coast and Geodetic Survey
P. O. Box 627
Suffolk, Virginia.

From: Officer in Charge
Baltimore Photogrammetric Office

Subject: Discrepancy in Position of Horizontal Accuracy Test Point - Area of Survey T-8522

The geographic position of Horizontal Accuracy Traverse Test Point T-12 ("T" road intersection 90°) of Horizontal Accuracy Test Traverse No. 1, Project CS-303 D, which you furnished this Office, is latitude 43° 17' 320.9 meters; longitude 70° 41' 523.7 meters.

The geographic position scaled from our radial plot of this road intersection is latitude 43° 17' 341.3 meters; longitude 70° 47' 549.3 meters. There is no other "T" road intersection in this immediate vicinity.

The geographic positions furnished of adjacent traverse test points check well with our radial plot.

Perhaps you still have data on hand with which you can locate the source of the discrepancy reported herein.

Fred. L. Peacock
Officer in Charge
Baltimore Photogrammetric Office

CC: The Director

n

GEOGRAPHIC NAMES
Undisputed

Abbott Brook
Abbott Hill
Adams Brook
Bauneg Beg Road
Beach Ridge
Beach Ridge Road
Beaver Dam Brook
Beaver Dam Road
Beaver Dam (Town)
Berwick (Town)
Berwick (Township)
Birch Hill
Blackberry Hill
Blackberry Hill Road
Boston and Maine R. R. (Eastern Div.)
Boston and Maine R. R. (Western Div.)
Cider Mill Pond
Chase Road
Coffin Brook
Cranberry Meadow
Cranberry Meadow Road
Diamond Hill
Diamond Hill Road
Estes Brook
Estes Hill
Estes Road
Foundry
Ferguson Brook
Grant Brook
Great Works River
Hall Hill
Hilton Brook
Johnson Road
Knights Pond
Lebanon Road
Lebanon (Township)
Little River
Long Swamp
Long Swamp Brook
Long Swamp Road
Maine
Matthews Mill (Town)
Messenger Bridge
Messenger Bridge Road
Mulloy Brook
Neoutaquet River
New Hampshire
North Berwick (Township)
Old Sanford Road
Perkins Brook
Pine Hill
Pine Hill Brook
Pine Hill Road
Portland Road or South Berwick Rd.
Salmon Falls River
Somersworth (Town)
Somersworth (Township)
Thompson Hill
Wentworth Road
Worster Brook
York County

Strafford County

GEOGRAPHIC NAMES

Recommended	Disputed
Five Corners	Four Corners
Frost Brook	Guptil Pond
Lovers Brook	Loves Brook
Matthews Mill Pond	Guptil Pond

	Remarks	Decisions
1		USGB
2		"
3		
4		
5		
6		
7		Railway Guide
8		Road Maps
9		"
10		
11		
12		432707
13		"
14	Pending with USGB	"
15		"
16		"
17	Make it agree with T-8523, to eastward	"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		432708
26		"
27		

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GEOGRAPHIC NAMES

Survey No. T-8522

SOMERSWORTH 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	G P. O. Guide or Map	H Rand McNally Atlas	K U. S. Light List	
Maine	✓		✓							1
New Hampshire	✓		✓							2
York County	(Me.)		✓							3
Strafford County	(N.H.)		✓							4
Towns of South Berwick, Berwick, North Berwick, Lebanon	✓		✓		✓			(York Co.) ✓		5
Town of Somersworth	(Strafford Co.)									6
Boston & Maine R.R.	✓		✓							7
Maine Roads Nos. 4, 9, 103			✓							8
N.H. Roads Nos. 9, 16			✓							9
Salmon Falls River	✓		✓							10
										11
Knights Pond	✓		✓							12
Hilton Brook	✓		✓							13
Lovers Brook	✓		✓							14
Perkins Brook	✓		✓							15
Adams Brook	✓		✓							16
Portland Road (or South Berwick Road)			✓ ✓	?						17
Wentworth Road			✓							18
Beaver Dam Brook			✓							19
Hall Hill			✓							20
Frost Brook			✓							21
Abbott Brook			✓							22
Th pson Hill	✓		✓							23
Beaver Dam (settlement)			✓							24
Cider Mill Pond			✓							25
Blackberry Hill			✓							26
Blackberry Hill Road			✓							27

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T08522

2

	Remarks.	Decisions
1		432708
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		433708
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		433707
25		433708
26		"
27		"

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GEOGRAPHIC NAMES

Survey No. T-8522

2 Name on Survey	On Chart No. A	On previous survey No. B	On U. S. quadrangle Maps C	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
Blackberry Hill School	✓		X							1
Cranberry Meadow	✓		✓							2
Cranberry Meadow Road	✓		✓							3
Beaver Dam Road	✓		✓							4
Mathews Mill	✓		✓							5
Mathews Mill Pond	✓		✓							6
Forster Brook	✓		✓							7
Lulloy Brook	✓		✓							8
Coffin Brook	✓		✓							9
Ferguson Brook	✓		✓							10
Berwick	✓		✓							11
Somersworth	✓		✓							12
Foundry	✓		✓							13
Pine Hill	✓		✓							14
Pine Hill Road	✓		✓							15
Pine Hill Brook	✓		✓							16
Messenger Bridge Road	✓		✓							17
Messenger Bridge	✓		✓							18
Little River	✓		✓							19
Lebanon Road	✓		✓							20
Diamond Hill	✓		✓							21
Diamond Hill Road	✓		✓							22
Beach Ridge	✓		✓							23
Beach Ridge Road	✓		✓							24
Beach Ridge School			✓							25
Grant Brook	✓		✓							26
Birch Hill	✓		✓							27

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T-8522

3

	Remarks.	Decisions
1		433708
2		"
3		"
4		"
5		"
6		"
7		433707
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		
16		
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23		
24		
25		
26		
27		

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GEOGRAPHIC NAMES

Survey No. T-8522

3 Name on Survey	On Chart No. A	On previous survey No. B	On U. S. quadrangle Maps C	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
Long Swamp Road	✓		✓							1
Long Swamp	✓		✓							2
Long Swamp Brook	✓		✓							3
Chase Road	✓		✓							4
Abbott Hill	✓		✓							5
Beuneg Beg Road	✓		✓							6
Estes Hill	✓		✓							7
Estes Road	✓		✓							8
Estes Brook	✓		✓							9
Johnson Road	✓		✓							10
Old Sanford Road	✓		✓							11
Neoutaquet River	✓		✓							12
Five Corners	✓		✓							13
Great Works River	✓		✓							14
										15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

Names underlined in red approved by L. Heck on 5/24/48

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DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8522

SOMERSWORTH QUADRANGLE N.H.-Me.

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

Two horizontal accuracy tests and three vertical accuracy tests were made for the map area of T-8522.

See attached resumes for results.

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. Berwick, Me-N.H. 1/62500 1933/42

Comparison with Nautical Charts Nos. No chart (inland area)

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:

Reviewed [signature] By Lillian A Lee
under direction of D. H. Benson 19 May 1944 per 75

Inspected by B. G. Jones B.G. Jones 5/49

Examined and approved:

~~Chief, Surveys Branch~~ for Chief, Div. of Charts

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

W.M. Scarfe
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.