

8518

Diag'd on Diag. Ch. No. - 1205(Insert)

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey <u>Air Photographic Topographic</u>	
Field No. <u>CS-303-A</u>	Office No. <u>T-8518</u>
LOCALITY	
State <u>Maine</u>	
General locality <u>Cumberland Co. & York Co.</u>	
Locality <u>Prouts Neck</u>	
<u>1943-44</u>	
CHIEF OF PARTY	
<u>Fred L. Peacock</u>	
LIBRARY & ARCHIVES	
DATE <u>May 24, 1949</u>	

B-1870-1 (1)

8518

DATA RECORD

T- 8518

Quadrangle (II):

Project No. (II):

Prout's Neck, $7\frac{1}{2}$ minute
Field Office:

CS-303-A

Chief of Party:

Sanford, Maine
Compilation Office:
Baltimore, Md.

F. L. Gallen
Chief of Party:

Instructions dated (II III):

Fred. L. Peacock

May 1, 1943

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

Completed survey received in office: 22 Feb 1944

Reported to Nautical Chart Section:

Reviewed: 4/19/44

Applied to chart No.

3201

Date:

Jan-Apr 1945

325

201

315

Redrafting Completed: 19 May, 1944

Registered: 7 Oct. 1948

Published: May, 1945

Compilation Scale: 1:20,000

Published Scale: 1:25000

Scale Factor (III): None

Geographic Datum (III): N. A. 1927

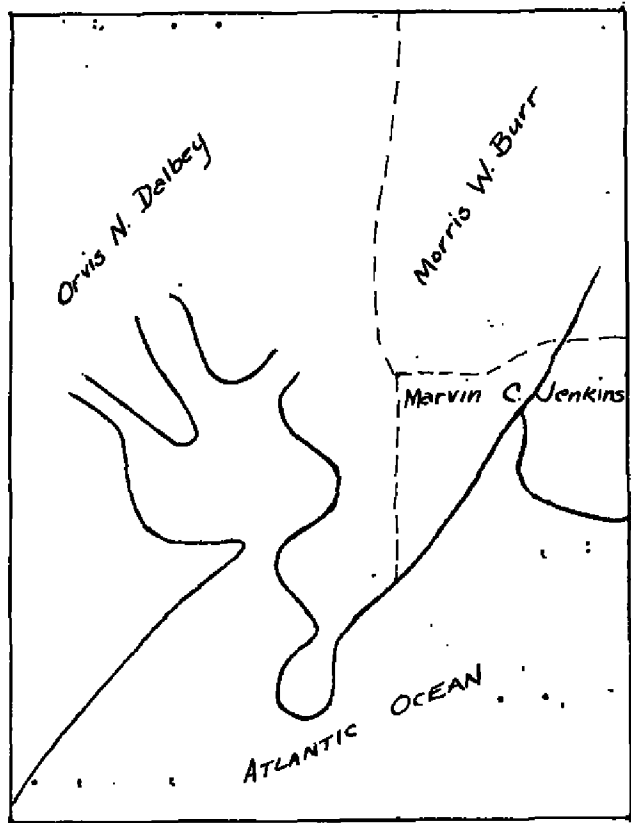
Datum Plane (III): Mean Sea Level

Reference Station (III): SCARBORO GREEN STANDPIPE, 1928, r. 1941, 1943

Lat.: $43^{\circ} 35' 26.30''$ 811.7 Long.: $70^{\circ} 20' 13.05''$ 292.7 Adjusted
(1040.0)m (1053.3)m Unadjusted

State Plane Coordinates (VI): The Harbor Defense Grid is used, and
there are no ~~coordinates~~ ^{coordinates} for the reference station in this
system.
X = Y =

Military Grid Zone (VI) "A"



PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
13684 to 13687 Inc.	4/18/43	12:01 p.m.	1:20,000	7.6' above M. L. W.
13704 to 13706 Inc.	4/18/43	12:24 p.m.	1:20,000	7.1' above M. L. W.
13711 to 13715 Inc.	4/18/43	12:40 p.m.	1:20,000	6.6' above M. L. W.
13761		1:39 p.m.	1:20,000	4.6' above M. L. W.

Tide from (III): Predicted Tables - Reference Station, Portland, Maine with corrections for Richmond Island, Maine
 Mean Range: 8.9' Spring Range: 10.1'

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

Field Inspection by: Orvis N. Dalbey, Arnold M. Jyhle, date: Summer,
 Morris W. Burr, and Marvin C. Jenkins 1943

Field Edit by: Donald G. Flipppo date: March, 1944

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

Same as date of photographs

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

" " " checked by: Washington Office date: Unknown

Control plotted by: William H. VanLoon date: December, 1943

Control checked by: Henry P. Eichert date: December, 1943

Radial Plot by: Joseph Steinberg & J. Edward Deal, Jr. date: December 6 to
 December 9, 1943

Detailed by: Raymond Glaser date: December 29, 1943 to
 February 24, 1944

Reviewed in compilation office by: Henry P. Eichert date: Feb. 12 to 24, 1944

Elevations on ^{Map Manuscript} ~~Field Edit Sheet~~ checked by: Donald Flipppo date: March, 1944

STATISTICS (III)

Land Area (Sq. Statute Miles): 37

Shoreline (More than 200 meters to opposite shore): 17 miles

Shoreline (Less than 200 meters to opposite shore): 26
(Measured along approximate center line)

Number of Recoverable Topographic Stations established: 7 bench marks (established by radial plot)

Number of Temporary Hydrographic Stations located by radial plot: See Descriptive Reports for Surveys Nos. T-5954 and T-5955.

Leveling (to control contours) - miles: 38 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

Proulx Neck, Me.

7-8518

This quadrangle, together with similar adjoining maps produced under Project C.S. 303A, was prepared by the Coast and Geodetic Survey for the War Department under "General Specifications for War Department Mapping Program" issued about December 1941, in which is incorporated the "Standard of Accuracy for a National Map Production Program" issued by the Bureau of the Budget under date of June 10, 1941.

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

PREPARATION OF BASE MAPS

Assembly into quadrangle base sheets by photographic means of previously produced planimetric maps of the area. These maps were compiled by this Bureau from aerial photographs taken in 1939 and were published in 1941 on the scale of Lithographic prints of the quadrangle base sheets on cloth-mounted paper were furnished to the field parties and similar prints in red ink on celluloid sheets were furnished to the compilation office.

*7-5954
5955
5956*

FIELD SURVEYS

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

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

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

FIELD INSPECTION REPORT
QUADRANGLE T-8518
Project CS-303-A
F. L. Gallen, Chief of Party

Densely populated area

1. DESCRIPTION OF AREA:

The area covered by this quadrangle lies entirely in Cumberland County, Maine. Part of the town of Old Orchard ^{beach} lies in the southwest corner of this quad. The village of Scarborough lies in the central part of this sheet on the Dover Branch of the Boston and Maine Railroad. The village of Oak Hill is in the northeast ^{west quarter} part of the quad on U. S. Highway No. 1, which runs northeasterly through this sheet. The Boston and Maine Railroad has two lines in this quadrangle. The Dover Branch runs from Old Orchard to Portland, and the Portsmouth Branch runs from Saco to Portland. This area consists mostly of rolling timberland. The area in the eastern part of this quad is very irregular and there are many isolated contours. There are two rather swampy areas in the northern portion: Scottow Bog in the northwest, and Rigby Bog in the northeast. Two outstanding hills lie within this quad on the western edge. Scottow Hill has a high elevation of 150 feet and is the highest elevation in this quad. Blue Point Hill has a high elevation of 142 feet. The top of this hill is a rock outcrop. There is a great deal of salt marsh along the Scarborough River, the Nonesuch River, the Libby River, and the Spurwink River. All of these drainages flow into the Atlantic Ocean which comprises about one-fourth of the quadrangle. Prouts Neck extends into the ocean in the south central part of this quad. The shoreline around it is very rocky and the highest elevation of the Neck is 59 feet. Most of the dwellings here are for summer use only. All of this area is very well drained except Scottow Bog and Rigby Bog. Most of the higher ground is very rocky and wooded. The trees are mostly evergreen with a few deciduous trees along the streams. The undergrowth along the streams is very thick deciduous brush. Most of the roads in this area are good and can be traveled in all kinds of weather.

(a little in York Co.)

2. COMPLETENESS OF FIELD INSPECTION:

The field inspection is thought to be complete. Buildings, churches, cemeteries, roads, and trees have all been classified. Only the buildings that are circled are to be shown on the map drawing. Those that are circled but not designated are to be classed as houses or dwellings. Trails are shown with a dashed red line, thus - - -. Swamp areas are enclosed by a dashed blue line and labeled SW. The drainage to be shown on the finished sheet is shown on the field sheet. It is thought that all necessary information is shown on the field sheet that should be shown on the map drawing. Classification of bridges and culverts which have been designated on the photos or any other small items erroneously omitted will be noted by the field edit party.

3. INTERPRETATION OF THE PHOTOGRAPHS

The photographs for this quadrangle are typical to corresponding areas of this type. The deciduous trees show up rather grayish in color, and generally are found in the lower areas, while the pine or evergreen trees show up dark and are found on the higher ground. The light wooded areas are cut-over land and are generally covered by a few pine trees and low brush. Some areas covered by short brush appear to be open fields. These areas have been labeled by the correct symbol.

4. HORIZONTAL CONTROL:

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

5. VERTICAL CONTROL:

Bench marks were recovered and pricked on photographs and submitted to the Baltimore Office. Supplementary level lines were run over the main roads in this quadrangle to provide sufficient control for the planetable party. These lines were run by a separate four-man party, and were assumed to be correct. Lines with a closure of less than .35 of a foot were not adjusted. Lines with a closure of more than .35 of a foot and less than one foot were adjusted. Lines with a closure of more than one foot were re-run.

6. CONTOURS AND DRAINAGE:

Contouring was carried on by a four-man planetable party using standard Coast and Geodetic Survey methods and equipment. The first operation in contouring was to establish a line of magnetic declination. This was accomplished by orienting the table along a long, straight road, free from magnetic attractions, near the center of the photograph. The declinatoire was used to orient the table thereafter where it was not possible to orient by other means. The date and time of day of its establishment are shown near the declination line. All the contouring was done on the photographs and cultural features were used to locate the contours wherever possible. Hand level lines were run in the wooded areas where it was not practicable to go with the planetable. Distances were paced to the elevations or photographic detail was used to locate the points on these lines. Most of the elevations were taken by planetable shots since a large portion of the quad was not wooded. The drainage shown was located by stereoscope and by actual inspection. Where located by stereoscope, it was checked in the field by shots or pacing. The stereoscope was found to be very helpful in shaping the contours in this area. There were no closures with the planetable in excess of .6 of a foot. Most of the planetable elevations taken were inked on the photographs.

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 map drawing are circled in red. Buildings not labeled are to be classed as dwellings. Stores, barns, churches and other buildings are labeled. Any building not circled or labeled is to be deleted.

17. BOUNDARY MONUMENTS AND LINES:

This quadrangle lies wholly within the limits of Cumberland County, Maine, with the exception of the southwest corner, which is in York, County. The county line is correct as shown on the photo for the area, and is also the boundary between the towns of Old Orchard and Scarborough. The rest of the quadrangle lies in the town of South Portland and Cape Elizabeth. The boundary monuments, which are shown by red circles, have been located directly on the photographs and with the aid of town maps, which were secured and used at the town halls, and the boundaries have been drawn in. The boundaries are correct as shown on the photos.

18. GEOGRAPHIC NAMES:

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

19. JUNCTIONS:

Junctions with T-8517 to the West, T-8512 to the North and T-8519 to the East have been made and are in agreement. There are no land junctions to the South.

20. Photographs used in surveying this area were No.'s: 13704, 13705, 13706, 13683, 13684, 13685, 13687 and 13686.

Approved and forwarded by:

F. L. Gallen

F. L. Gallen,
Chief of Party.

Submitted by:

Orvis N. Dalby

Orvis N. Dalby,
Sr. Photo. Aid.

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 En - Airway Beacon
En - 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
Bkhd - Bulkhead
Jet - Jetty
Dol - Dolphie
Pile - Pile
S - Sand
Mud - Mud

Rk - Rock or Rocky
Sty - Stony
Cone - Concrete
Wo - Wood
Blf - Bluff
Dune - Dune

STREAMS AND PONDS

D - Largest ditches only
DK - 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:

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

Horizontal control stations within the limits of the Map Manuscript:

PROUT'S NECK STANDPIPE, 1941, r.1942
SCARBORO GREEN STANDPIPE, 1928, r.1941, 1944
W.C.S.H. SOUTHWEST RADIO TOWER, 1941, r.1944
W.C.S.H. NORTHEAST RADIO TOWER, 1941, r.1944
BLUE POINT HILL CONG. CHURCH SPIRE, 1943

Horizontal control stations just outside the areas of the Map Manuscript:

OLD ORCHARD STANDPIPE, 1923, r.1941
WEST SCARBORO STANDPIPE, 1941
SOUTH PORTLAND STANDPIPE, 1911, r.1933, 1941

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

DYERS HILL, 1882, r.1913, 1933
SCOTTOWAY, L. WALTER HOUSE, 1852, r.1942
LONG BARN CUPOLA, 1923
HUBBARD'S POINT HOUSE, 1850, r.1942
SQUARE BARN CUPOLA, 1923, r.1942
RED HOUSE CUPOLA, 1923, r.1942
SMALL HOUSE CHIMNEY, 1923, r.1942
✓GRANDY HILL 2, 1923, r.1942
GRANDY HILL YELLOW HOUSE CHIMNEY, 1850, r.1942
STONE CHIMNEY ("CHIM") No date
SAND KNOLL, 1850
RAM ISLAND HOUSE, 1923, r.1942
BLUE POINT HILL SOUTH CHIMNEY, 1860 partial recovery 1942
PROUT'S NECK LIBBY HOUSE CHIMNEY, 1850, r.1942
PROUTY, 1905
EAST GABLE HOUSE, PROUT'S NECK, 1923, r.1942 (incorrect)
OLD ORCHARD HOTEL FLAGPOLE, 1923, r.1942
JORDAN'S ISLAND 2, 1905, r.1942
STRATTON ISLAND BARN CUPOLA (STRAT), 1923, 1928
PROUT'S NECK, 157, 1941

27 RADIAL PLOT:

The radial plot for this Map Manuscript is part of Section 2 of the main radial plots for Project CS-303. It will be described in the descriptive report for Survey No. T-8511, which will be submitted to the Washington Office in the near future.

28 DETAILING:

The Compilation Office was furnished a red-line print on acetate which is a reproduction of assembled portions of original 1:10,000 planimetric compilations reduced to 1:20,000. The original compilations were executed in the summer of 1943, using photographs dated October 1941, and field inspection data, dated Fall, 1942.

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Approximately 15% of the land area shown on the Map Manuscript for Survey No. T-8518 was not covered by previous planimetric surveys.

After a number of well-defined points had been located on the Map Manuscript by radial intersections, it was found that the planimetry shown on the original red-line print on acetate was within the limits of accuracy required for War Mapping Projects.

Minor corrections in shoreline and limits of marsh areas were made according to field inspection data and stereoscopic examination. Classification of roads and wooded areas were corrected, new roads were added, buildings were added or deleted, and drainage was detailed, all in accordance with field inspection data and stereoscopic examination.

All detail which the compiler found to be correct as presented on the red-line print was not changed. In order to assure clarity, however, all buildings, whether they appeared on the original compilation or not, are shown with black acid ink.

29 SUPPLEMENTAL DATA:

A copy of a map of Old Orchard Beach, Maine, scale 1"=900', published by the H. A. Manning Co. was furnished the Compilation Office by the Field Inspection Party.

The following previous topographic surveys, by the U. S. Coast & Geodetic Survey, cover portions of this Map Manuscript:

29 SUPPLEMENTAL DATA: (cont'd)

Survey Number	Date	Scale
T-759 ✓	1859	1:10,000
*T-878 ✓	1862.	1:20,000
T-312	1850	1:10,000
T-414	1852	1:10,000
T-735	1854-58	1:10,000
T-1111	1867	1:5,000
T-1224 ✓	1871	1:10,000
T-1225 ✓	1871	1:10,000
T-1224a ✓	1913	1:10,000
T-1225a ✓	1912-13	1:10,000
T-312a	1913	1:10,000
T-414a	1913	1:10,000

Copies of the above surveys, were not available to the Compilation Office.

*Reconnaissance survey.

30 HIGH-WATER LINE:

The stage of tide of all the photographs used in the process of detailing this Map Manuscript was computed and found to be between 4.6' and 7.6' above Mean Low-Water.

The high-water line as presented on the original compilation of the area covered by this Map Manuscript, required minor corrections only.

31 LOW-WATER AND SHOAL LINES:

Approximate low-water and shoal lines were interpreted by careful stereoscopic examination of the office photographs, and corrections on the red-line print were made accordingly.

32 DETAILS OFFSHORE FROM THE HIGH-WATER LINE:

Numerous submerged rocks, rocks which bare at low-water, rocky shoal areas, and rock ledge offshore from the high-water line are indicated within the limits of this Map Manuscript on the U. S. Coast & Geodetic Survey Nautical Chart No. 231. These offshore details were not included in the field inspection data. All offshore details visible on the office photographs have been detailed. (See accompanying discrepancy overlay).

33 WHARVES AND SHORE LINE STRUCTURES:

Three piers and a boat house are shown on this Map Manuscript. One pier is very large and is located along the shore of Old Orchard Beach. Another pier is on an inland lake or pond in the eastern part of the quadrangle. The third pier and the boat house are located just inside the mouth of the Scarborough River, on the eastern shore. No other shore line structures are visible on the photographs.

34 LANDMARKS AND AIDS TO NAVIGATION:

The field inspection data does not indicate any landmarks or fixed aids to navigation. Included on the original compilation however, are the following landmarks and fixed aid to navigation:

CUPOLA, SQUARE, ON HOTEL (Landmark)
TOWER, ARMY OBSERVATION POST (Landmark)
GABLE, HIGHEST, EASTERLY, ON HOUSE (Landmark)
BEACON, RED MARKER (Aid to Navigation) (*Ferry Rock Bn*)

The above landmarks and fixed aid to navigation are described in Section 34 of the descriptive report for Map Manuscript, Survey No. T-5955, Project No. CS-272, Sub-Project No. CS-272-B, which has been submitted to the Washington Office. *See chart letter 575, 1943*

35 HYDROGRAPHIC CONTROL:

Forms No. 524 are being submitted herewith for seven bench marks, two of which may have limited possibilities for use as recoverable topographic stations. They are:

U. S. Coast & Geodetic Survey Bench Mark B-104
U. S. Coast & Geodetic Survey Bench Mark P-5

*M-5 1922
N-5
O-5
P-5
B-104
NE-34
NE-90*

No other data concerning hydrographic control was furnished the Compilation Office by the Field Inspection Party. All hydrographic control shown on the original compilation was retained, and is described in Section 35 of the descriptive reports for Map Manuscripts, Surveys Nos. T-5954 and T-5955, Project No. CS-272, Sub-Project No. CS-272-B, which has been submitted to the Washington Office.

36 LANDING FIELDS AND AERONAUTICAL AIDS:

There is no data concerning landing fields or aeronautical aids available to the Compilation Office for the area covered by this Map Manuscript.

37 DISCREPANCY OVERLAY:

A discrepancy overlay has been prepared to accompany this Map Manuscript. On it are shown such notes as are deemed likely to be of assistance during the field edit. In addition, a set of notes has been included to aid in the interpretation of symbols used on 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 Portland, Maine, 15 minute U. S. Geological Survey Quadrangle. This investigation covers only a small portion of the northwestern section of this Map Manuscript, for which a list of geographic names is herewith submitted. The geographic names on the remaining, major portion of this Map Manuscript were investigated previously and have been retained as presented on the red-line print of the original compilation. LA

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 No. CS-303, paragraph No. 23, dated May 1, 1943.

40 RECOMMENDATIONS FOR FUTURE SURVEYS:

The planimetry as presented on this Map Manuscript is believed to be complete, but is subject to a field edit for corrections, additions, and deletions.

41 JUNCTIONS:

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

To the north with Map Manuscript for Survey No. T-8512.
To the east with Map Manuscript for Survey No. T-8519.
To the west with Map Manuscript for Survey No. T-8517.

The Atlantic Ocean lies to the south of the Map Manuscript.

42 REMARKS:

Some difficulty in detailing was encountered because the printed red lines on the reproduced original planimetric surveys, which in this case are actually a purplish color, lessened visibility through the acetate sheet. In numerous places, the red line planimetry was faded and in other places it had run together creating a blur. The extensive tree symbol used on the original planimetric maps also contributed to the difficulty of clear vision through the acetate when orienting over the photograph.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

A visual comparison with the Portland, Maine, 15 minute Quadrangle of the U. S. Geological Survey, edition of 1916, reprinted in 1943, scale 1:62,500, shows common detail to be in fair agreement.

45 COMPARISON WITH NAUTICAL CHARTS:

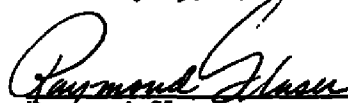
Minute comparison of the Map Manuscript with the U. S. Coast & Geodetic Survey Nautical Chart No. 231 was possible because of the congruity of scale. The shore line in general, agrees very well, but the limits of rock ledge are not in close agreement. The following distinct differences were noted:

1. Pine point, on the western shore of the mouth of the Scarborough River has been considerably built up since publication of the Chart.
2. Just inside the mouth of the Scarborough River, Minor differences in size and shape of marsh islands are apparent.
3. Massacre Pond, on the eastern shore, directly above Prout's Neck is shown on the Chart considerably larger than on the Map Manuscript. The Chart shows a marsh island in the pond, which on the Map Manuscript, is part of an extended marsh area. The inshore limits of the marsh coincides closely with the shore line of the pond as shown on the Chart.
4. A road, at Old Orchard Beach, running northwest and southeast at approximate Latitude $43^{\circ} 31.3'$ and Longitude $70^{\circ} 22.3'$ is shown in the wrong location on the Chart.
5. Two small piers, one on an island lake or pond in the eastern part of the quadrangle, and the other on the eastern shore just outside the mouth of the Scarborough River, are shown on the Map Manuscript, but do not appear on the Chart.
6. Details offshore from the high-water line, some of which are not visible on the office photographs, are shown on this Chart. (See Discrepancy Overlay).


45 COMPARISON WITH NAUTICAL CHARTS: (cont'd)

Visual comparison was made with U. S. Coast & Geodetic Survey Nautical Chart No. 1205, scale 1:80,000. Common detail is in fair agreement.

Respectfully submitted,
February 23, 1944


Raymond Glaser
Sr. Engineering Draftsman

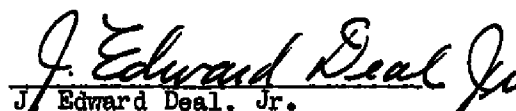
Map Manuscript, Discrepancy
Overlay and Descriptive Re-
port reviewed by:


Henry P. Eichert
Jr. Photogrammetric Engineer

Compilation of Map Manu-
script Supervised by:

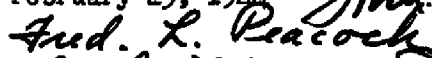

Joseph Steinberg
Asst. Photogrammetric Eng.

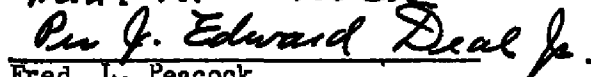
and


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

Approved & Forwarded:

February 25, 1944


Fred. L. Peacock


Per J. Edward Deal, Jr.

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

LIST OF GEOGRAPHIC NAMES

Undisputed

Buggy Meetinghouse ✓

Hunwall Road ✓

Payne Road ✓

Scottow Bog ✓

Spring Road ✓

Remarks.

Decisions

1		
2		USGB
3		
4		
5		Railway Guide
6		Road Maps
7		"
8		435702
9		"
10		"
11		"
12		"
13		"
14		435703
15		"
16	Pending with USGB: all older sources use this spelling, while later maps have Stratton	"
17		"
18		434703
19		435702
20		"
21		"
22		"
23	(These two names referred to USGB: pending	"
24	(decision apply as on manuscript	"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No.

T-8518

PROUTS NECK quadrangle

GEOGRAPHIC NAMES											
Survey No. T-8518											
PROUTS NECK quadrangle											
1	Name on Survey	A	B	C	D	E	F	G	H	K	
	Atlantic Ocean			✓							1
	Maine			✓							2
	York County :	Town	of Old Orchard	✓	✓	SAC C					3
	Cumberland County	Towns	of Scarborough, Cape Elizabeth, South Portland	✓		✓		✓	✓		4
	Boston & Maine R R			✓							5
	U.S. No. 1			✓							6
	State Nos. 9, 77, 207	(part of 9 is same as US No. 1)									7
	Ram Island			✓							8
	Cod Rocks			✓							9
	Spurwink River			✓							10
	Spurwink Hill			✓							11
	Spurwink Church			✓							12
	Higgins Beach			✓							13
	Pleasant Hill			✓							14
	Pleasant Hill School	(name OK if feature exists today)									15
	Stratten Island			✓							16
	Bluff Island			✓							17
	Saco Bay			✓							18
	Old Orchard Beach	(name adopted by State Legisl. in 1929)									19
	Surfside			✓							20
	Grand Beach			✓							21
	Pine Point	(village)		✓							22
	Little River			✓							23
	Jones Creek			✓							24
	Scarboro River			✓							25
	Blue Point	(village)		✓							26
	Blue Point Hill			✓							26
	West Scarborough Station			✓							27

M 234

T-8518

2

Remarks

Decisions

1		435703
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13	Name pending with USGB: use Prouts Neck	"
14	" "	"
15		"
16		436702
17		"
18		"
19		"
20		"
21		436703
22		"
23		"
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8518

2	Name on Survey	A	B	C	D	E	F	G	H	K	
	Dunstan River			✓							1
✓	Scottow Hill			✓							2
✓	Two Rod Road			✓							3
	Oak Hill			✓							4
✓	Oak Hill (settlement)			✓							5
✓	Mill Brook			✓							6
✓	Nonesuch River			✓							7
✓	Scarboro			✓							8
✓	Libby River			✓							9
	Black Point School (name OK if feature now exists)										10
✓	Massacre Pond			✓							11
✓	Scarboro Beach			✓							12
✓	Prouts Neck (peninsula)			✓							13
✓	Prouts Neck (village)			✓							14
✓	Shooting Rock			✓							15
✓	Trout Brook			✓							16
	Ridgeway School (name OK if feature now exists)										17
✓	Barren Hill			✓							18
✓	Rigby			✓							19
✓	Rigby Bog			✓							20
✓	Hunwall Hill			✓							21
✓	Libby Road			✓							22
	d Sany Hill (name OK if any of it on this quad.)										23
✓	Thornton Heights			✓							24
✓	Buzzy Meetinghouse			✓							25
✓	Scottow Bog			✓							26
✓	Payne Road			✓							27

M 234

Remarks.

Decisions

1		436704
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GEOGRAPHIC NAMES

Survey No. T-8518

Name on Survey	On Chart No.		On previous survey No.		On U. S. quadrangle Maps		From local information		On local Maps		P. O. Guide or Map		Rand McNally Atlas		U. S. Light List	
	A	B	C	D	E	F	G	H	K							
Heath Road			✓													1
																2
*Three Brothers (Rock)																3
*Old Proprietor (Rock)																4
																5
																6
																7
* added to black & white vault copy at time of registration																8
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Names underlined in red approved
by L. Heck on 5/5/44

FIELD EDIT REPORT
TO ACCOMPANY
QUADRANGLE T-8518
PROJECT 303-A

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, Buildings, drainage and other features have been inspected and classified where omitted by the field inspection party. Bridges have been classified according to instructions. The various field edit notes have been inked 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 off in red ink.

47. The compilation is believed to be complete and accurate as corrected by the field edit. Additional drainage has been delineated with 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 have been checked with T-8519 and T-8517.

Submitted by

Donald G. Flippo
per JH

Donald G. Flippo
Sr. Photo. Aid

Approved and Forwarded

F. L. Gallen

F. L. Gallen
Chief of Party

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T- 8518

PROUTS NECK QUADRANGLE 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

Both horizontal and vertical accuracy tests have been checked. Corrections were made. The map now conforms to the National Map Accuracy standard.

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-312	1/10000	1850	T-414a	1/10000	1913
T-312a	"	1913	T-759	"	1859
T-735	"	1854	T-1224	"	1871
T-414	"	1852			

U.S.G.S. Portland Quadrangle 1/62500 1916

<u>Comparison with Nautical Charts Nos.</u>	231	1/20000	1943
	1205	1/80000	1943

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

(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:

NOTE: This review report was written from notes made at the time of map review. LTS

Reviewed ~~[Signature]~~ By J. H. Stewart
under direction of D. H. Benson *per TS*

Inspected by B. G. Jones *B. G. Jones per sm*

Examined and approved:

[Signature]
Chief, ~~Survey~~ Branch
Marine Chart

Chief, Div. of Charts

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

[Signature]
Chief, Div. of Coastal
Surveys

RECORDS

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

Registered and Filed in the Vault.

Cloth-mounted copy of the published quadrangle.

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

Descriptive Report.

Filed in the Photogrammetric Division.

Field inspection photographs.

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

Field edit sheet.

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

Supplementary traverse and level records.

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

Reproduction proof.

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

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

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

Filed in Reproduction Branch.

Glass negatives of the color separation drawings.

Filed in the Library.

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

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

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

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

Film negatives and film positives of the color separation drawings.

All color separation drawings.

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