

8532

original
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Diag'd. on diag. ch. No. 1206

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photographic Topographic

Field No. Office No. T-8532

LOCALITY

State Maine and New Hampshire
York County, Maine

General locality Rockingham County, N. H.

Locality Kittery, Maine

1943

CHIEF OF PARTY

Fred. L. Peacock

LIBRARY & ARCHIVES

DATE Mar 25 - 1948

8532

Applied to reconstruct. 1205 (1949)

DATA RECORD

T-8532

Quadrangle (II):

Kittery, $7\frac{1}{2}$ minute

Project No. (II):

CS-303-C (South)

Field Office:

Sanford, Maine

Chief of Party:

F. L. Gallen

Compilation Office:

Baltimore, Maryland

Chief of Party:

Fred. L. Peacock

Instructions dated (II III):

May 1, 1943

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

Completed survey received in office: 24 Dec. 1943

Reported to Nautical Chart Section: ✓

Reviewed: 3/23/44

Applied to chart No.

Date:

Redrafting Completed: 25 April, 1944

Registered: ~~7~~ Feb. 1948

Published: 1944

Compilation Scale: 1:20,000

Published Scale: 1:25000

Scale Factor (III): None

Geographic Datum (III): N. A. 1927

Datum Plane (III): Mean Sea Level

Reference Station (III): HIGBEE, 1941

Lat.: $43^{\circ} 03' 54.917''$ (1694.7m) Long.: $70^{\circ} 41' 18.283''$ (413.7m) Adjusted
~~Unadjusted~~

State Plane Coordinates (VI): -not available

X =

Y =

Military Grid Zone (VI)

Zone A & Special Harbor Defense Grid

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
13814 to 13819 Inc.	4/18/43	2:56p.m.	1:20,000	2.2' above M. L. W.
13772	4/18/43	1:59p.m.	1:20,000	4.2' above M. L. W.
13791 to 13793 Inc.	4/18/43	2:24p.m.	1:20,000	3.2' above M. L. W.

Tide from (III): Predicted tables, reference station, Portland, Maine, with
corrections for Kittery Point, Maine.
Mean Range: 8.7' Spring Range: 10.0'

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

Field Inspection by: Donald G. Flipppo date: Summer, 1943

Field Edit by: L.G. Chambers date: Jan., 1944

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

Same as date of photographs

Projection and Grids ruled by (III) B.R.C., F.L.T. date: August 21, 1943

" " " checked by: B.R.C. date: August 21, 1943

Control plotted by: John M. Reinoldi date: August 28, 1943

Control checked by: Edward H. Snyder date: August 30, 1943

Radial Plot by: J. Edward Deal, Jr. and Joseph Steinberg date: September 6, to
September 15, 1943

Detailed by: Albert C. Rauck, Jr. date: October 1 to
December 22, 1943

Reviewed in compilation office by: William H. Van Loon date: December 15, to
December 22, 1943

Elevations on Field Edit Sheet L. G. Chambers
checked by: date: Jan., 1944

STATISTICS (III)

Land Area (Sq. Statute Miles): 25

Shoreline (More than 200 meters to opposite shore): 34 Statute Miles

Shoreline (Less than 200 meters to opposite shore): 14 Statute Miles
Measured along approx. centerline only

Number of Recoverable Topographic Stations established: 19 (5 Recoverable Topographic Stations, 1 Azimuth Reference Mark and 13 Tidal Bench Marks established by radial plot)

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles: 37.5 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. 1943

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 - 8532
PROJECT 303-C (SOUTH)
F. L. GALEN, CHIEF OF PARTY

1. The area covered by this quadrangle has a very irregular pattern especially north of the Piscataqua River. The area south of the Piscataqua River is comparatively flat and has large swampy areas. The ground varies in elevation from sea level to a height of about 108 feet, and has numerous small knolls in the northern portion.

More than half of this quadrangle lies in the Atlantic Ocean and there are many small islands found near the mouth of the Piscataqua River.

Drainage in this quadrangle does not follow a well defined pattern. The Piscataqua River enters the quadrangle from the north and empties into the Atlantic Ocean near the center of the quadrangle. Spruce Creek enters the quadrangle in the extreme northwest corner and flows in a southeasterly direction into the Piscataqua River. Chaunceys Creek separates Gerrish Island from the mainland. This creek also empties into the Piscataqua River.

The entire quadrangle is heavily wooded with only small fields along most of the roads.

U. S. Route No. 1, which runs through the northwest corner, is the only through road in the quadrangle. Most of the roads in the northern part of the quadrangle are very narrow and are only topsoil roads.

There are numerous Defense Areas near the mouth of the Piscataqua River.

2. See the report for Quadrangle T-8533.
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-8533.
6. See the report for Quadrangle T-8533.
7. The Mean High Water line has been indicated on the photographs where it could be determined by this party.
8. The Low Water line has been indicated on the photographs where it could be determined by this party.
9. The wharves and shore line structures have either been shown on the photographs or plans have been submitted with the photographs which show the wharves and shore line structures.
10. Details off shore from the Mean High Water line have been indicated on the photographs.
11. Land marks and Aids to Navigation were reported on by a separate party.

12. Recoverable Hydrographic stations were established by a separate party.
13. 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 of the bridges have been shown on the photographs, but they have not been classified.
16. All buildings and structures have been indicated on the photographs in contrasting colors.
17. Boundary monuments and lines is the subject of a separate report for this project. *Filed in Div. Photogram. Gen. Files under "Sp. Reports" (LTS, Feb. 1948)*
18. Geographic names is the subject of a separate report for this project. ~~##~~
19. The junctions to the west with Quadrangle T-8551 and to the north with Quadrangle T-8528 are both on overlapping photographs. The junctions have been checked in the field and should be found correct. The quadrangle bounds the Atlantic Ocean on the east and south.

Approved and forwarded

Submitted by

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

Donald G. Flippo
 Donald G. Flippo by *DRF*
 Engr. Aid.

WOODS AND BRUSH

TYPE

D Deciduous
E Evergreen
Cy Cypress

CONCEALMENT

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

PHYSICAL FEATURES

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

NOTE: The above areas are too outlined but sufficient notes
are made on each photograph so that the variation in tones
can be correctly interpreted in the office.

BRIDGE AND TUNNEL CLASSIFICATION

<u>First Symbol</u>	<u>One Lane</u>	<u>Unlimited</u>
Capacity	5 mph.	
A	50 tons	25 tons
B	25 tons	16 tons
C	18 tons	13 tons
D	10 tons	7 tons
E	6 tons	4 tons
F	Light vehicles only	

Second Symbol

<u>Vertical Clearance</u>	
A	over 14 feet
B	over 13 feet
C	over 12 feet
D	over 11 feet, etc.

Third Symbol

<u>Horizontal Clearance</u>	
A	over 18 feet
B	over 17 feet
C	over 16 feet
D	over 15 feet, etc.

Fourth Symbol - Year of Classification

E	14
F	13
G	12
H	11
I	10
J	9

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)
Co Ho - Court House (give name)
P.O. - Post Office (give name)
Sch - School (give name)
Hos - Hospital (give name)
RR Sta - Railroad Station
Stc - Country store or gas station
P Sta - Power Station

BOUNDARIES

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

LANDMARKS

FT - Fire Tower (give name)
TT - Transmission Tower
RT - Radio Tower or mast
Air Bn - Airway Beacon
3n - 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.

CROSS-LINE

MW - Mean high water, fast land
LWL - Low water line
ML - Marsh shore line
M - Marsh
MG - Marsh grass in water
Dk - Dock
Pier - Pier
Sea Well - Sea Well
Blind - Blind
Jet - Jetty
Eol - Dolomite
Pile - Pile
S - Sand
Mud - Mud
Rk - Rock or Rocky
Sty - Steep
Cons - Concrete
Wo - Wood
Blf - Bluff
Dune - Dune

STREAMS AND PONDS

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

VEGETATION

G - Grass
Sw - Swamp
Cy Sw - Cypress Swamp

COMPILATION REPORT

- 4 -

26 CONTROL:

Forty triangulation stations were recovered and used to control the photographs in establishing secondary and detail points on this Map Manuscript. Thirty of these stations lie within the limits of this Map Manuscript. They are:

- ✓ CAPE LANGDON STANDPIPE, 1941
- ✓ CONSTITUTION, 147, 1941
- ✓ FALSE, 1900, 1928
- ✓ FORT CONSTITUTION FLAGPOLE, 1941
- ✓ FORT FOSTER FLAGPOLE, 1941
- ✓ FOSTER, 148, 1941
- ✓ FROST POINT, 144, 1941
- ✓ HIGBEE, 1941
- ✓ KITTEERY POINT BAPTIST CHURCH SPIRE, 1898, 1928
- ✓ KITTEERY POINT CONGREGATIONAL CHURCH SPIRE, 1900, 1928
- ✓ KITTEERY SECOND M. E. CHURCH CUPOLA, 1900, 1928
- ✓ LANGDON, 146, 1941
- ✓ NEW CASTLE 2, 1898, 1928
- ✓ NEW CASTLE CHURCH SPIRE, 1900, 1928
- ✓ OCEAN WAVE HOTEL CUPOLA, 1898
- ✓ ODIORNES POINT, 143, 1941
- ✓ PEPPERELL, 1900, 1928
- ✓ PORTSMOUTH HARBOR LIGHTHOUSE, 1878, 1941
- ✓ PORTSMOUTH HARBOR S. E. BASE, 1842, 1928
- ✓ PORTSMOUTH NAVY YARD STANDPIPE, 1915
- ✓ PORTSMOUTH NAVY YARD PRISON tall black chimney, 1908, 1928
- ✓ PULPIT ROCK, 142, 1941
- ✓ SEWARDS POINT OBSERVATION POST, 1941
- ✓ SISTERS POINT, 149, 1941
- ✓ STARK, 145, 1941
- ✓ WENTWORTH HOTEL CUPOLA FLAGPOLE, 1941
- ✓ WENTWORTH HOTEL, HIGHEST CUPOLA, (old building), 1898, 1928
- ✓ WESTERN POINT U. S. E., 1941
- ✓ WHALEBACK LIGHTHOUSE, 1878, 1941
- ✓ WOOD ISLAND COAST GUARD CUPOLA, 1917, 1941

Field inspection stations were established by the Field Inspection Party near thirteen of these triangulation stations. This assured accurate pricking of these horizontal control stations on the office photographs. They are shown with small circles in orange ink on the reverse side of the Map Manuscript.

In addition to the thirty horizontal control stations above, three other stations were recovered within the limits of the Map Manuscript. They were not identified by the Field Inspection Party and could not be used as control. They are:

*u = in published map
r = added to vault copy from map manuscript.*

26 CONTROL: (cont'd)

- ✓ FROST POINT 2, 1898, 1928, (N.H.)
- ✓ PULPIT ROCK, 1851, 1852, (N.H.)
- ✓ STONES ROCK SPINDLE, 1917, (Me.)

Ten other triangulation stations lie just outside the limits of the Map Manuscript and were used to supplement the horizontal control shown within the limits of the Map Manuscript. They are:

- KITTERY WATERWORKS STANDPIPE, 1943, (also F.I.P. Bolt, 1941)
- NORTH TOWER PORTSMOUTH BRIDGE, 1928
- PEVERLY, 1941
- PORTSMOUTH FRANKLIN SCHOOLHOUSE CUPOLA, 1900, 1928
- PORTSMOUTH NORTH CHURCH SPIRE, 1900, 1941
- PORTSMOUTH STANDPIPE, 1908, 1928
- RYE ORTHODOX CHURCH, tall spire, 1850, 1908, 1928
- W.E.E.B. RADIO TOWER, 1941
- SOUTH TOWER PORTSMOUTH BRIDGE, 1928
- YORK VILLAGE WHITE CHURCH SPIRE, (Cong.), 1908, 1928

Field inspection stations were also established for two of these ten triangulation stations by the Field Inspection Party.

One station, ✓ ^{RE} JAFFERY POINT LIGHT, 1917, is plotted within the limits of the Map Manuscript, but was not recovered by the Field Inspection Party.

27 RADIAL PLOT:

The radial plot of this Map Manuscript is described in Section 3 of the descriptive report of radial plots for Project CS-303, which has been previously submitted. *Filed in Div. Photogram Gen. Files under "Sp'l Reports." (LTS, Feb. 1948)*

28 DETAILING:

The Field Inspection Party furnished the Compilation Office adequate field inspection data for the Map Manuscript for Survey No. T-8532. This data, which was furnished on nine lens field photographs, scale of 1:20,000 and 1:10,000, was transferred to the 1:20,000 scale, nine lens office photographs and then detailed.

Several military reservations located within the limits of this Map Manuscript were detailed according to data furnished by the Field Inspection Party on respective plans of these reservations.

The names and descriptions of this data will be found listed under Item No. 29, entitled "SUPPLEMENTAL DATA".

See special report on, BOUNDARY MONUMENTS AND LINES, Project CS-303-C, South, by F. L. Gallen, Chief of Party. *Div. Photogram Gen. Files, under "Sp'l Reports."*

29 SUPPLEMENTAL DATA:

The following prior topographic surveys, covering portions of this Map Manuscript, have been previously made by the U. S. Coast & Geodetic Survey:

Survey No.	Dated	Scale of
T-440 <i>Small portion falls in 8532</i>	1853	1:10,000
T-762 (<i>Date of Sheet</i>)	1859	1:10,000
T-762a <i>date not list 8532</i>	1912	1:10,000
T-1047 <i>Review</i>	1867	1:10,000
T-1047a	1912	1:10,000
T-1050	1867	1:10,000
T-1050a	1912	1:10,000
T-2375	1898-1901	1:10,000
T-2375a	1912	1:10,000

These surveys were not available to the Compilation Office.

* The Field Inspection Party furnished the following supplemental data to the Compilation Office:

* One blue print, Map Of U. S. Navy Yard, Portsmouth, N. H., dated April 22, 1926, scale 1"=100'

* One photostat print, Map of U. S. Navy Yard, Portsmouth, N. H., showing conditions on June 30, 1942, scale 1"=300'.

* One blue print, General Layout Map, Fort Foster, Kittery, Maine, dated November 5, 1941, scale 1"=100' (Confidential, restricted).

* One Tracing paper print, Plan of Gerrish Island Property, Kittery, Maine, dated April 1942, scale 1"=100'.

* One black and white print, General Layout Map, Fort Constitution, New Castle, N. H., dated November 8, 1941, scale 1"=50' (Confidential, restricted).

* One blue print, Harbor Defenses of Portsmouth, Battery No. 205, Protective Concealment, dated August 1942, scale 1"=30' (Confidential).

* One blue print, Fort Stark, New Castle, N. H., General Layout Map, dated November 6, 1941, scale 1"=100' (Confidential, restricted).

* One blue print, Harbor Defenses of Portsmouth, Battery No. 205, General Layout Plan and Index, dated October 1942, scale 1"=100' (Confidential).

* One blue print, Harbor Defenses of Portsmouth, Key Map, dated June 11, 1941, scale 1:5,000 (Confidential).

	Recon	Pub	Remarks
Δ Stations			
Cape Langdon Standpipe (1941)	Conf		
Constitution 147 (1941)	Conf		
False (1900)	43	1548	Photostat
Fort Constitution Flagpole (1941)	Conf		
Fort Foster Flagpole (1941)	Conf		
Foster 148 (1941)	Conf		
Frost Pt 2 (1898)	12	532	Pub
Higbee (1941)	Conf		
Battery Point Baptist Church (1898)	43	1577	Photostat
Battery Point Cong Church (1900)	43	1573	
Battery 2nd M.E. Church (1900)	43	1574	
Langdon 146 (1898)	Conf		
New Castle 2 (1898)	28	532	Pub
New Castle Church Spire (1900)	28	532	
Ocean Wave Hotel Cup (1898)			
Ordines Point 143 1941	Conf		
Pepperell (1900)	43	1590	Photostat
Portsmouth Harbor Light House (1878) R 1928	Conf		
Portsmouth Harbor S. E. Base (1842)	28	532	Pub
Portsmouth Navy Yd. Standpipe (1915)	28	532	
Portsmouth Navy Yd. Prison Chimney (1908)	43	532	Photostat
Pulpit Rock (1851)	41	532	Pub
Pulpit Rock 142 (1851)	Conf		
Sewards Point Observation Post (1941)	Conf		
Sisters Point 149 (1941)	Conf		
Stark 145 (1941)	Conf		
Wentworth Hotel Cupola Flagpole (1941)	Conf		
Wentworth Hotel Cupola highest Cup. old Bldg (1898)	28	532	Pub
Western Point (U.S.E.) (1941)	Conf		
Whaleback Light House (1878) OK R 43	Conf		
Wood Island Coast Guard Cupola (1917) R 43	Conf		
Gaffery Point light 1917	43		
Frost Point 144 (1941)	Conf		

Hydro and Topo Stations

- 1. Bic
- e. Ord

Hydra and Tide Stations

- 1. Sisters Point Agimath
- 2. Ute
- 3. Wal
- 4. Waur

Bench Marks

Tidal B.M.	Ht.		Tidal Bench Marks for state of	Pg.
1	15.6	Fort Stark, Jaffery Pt.	N. H.	2
2	9.1	"	N. H.	2
1	10.4	Fort Constitution	N. H.	3
3	8.2	"	N. H.	3
8	13.3	Portsmouth (Navy Yard)	Maine	43
7	13.2	"	Maine	43
6	10.4	"	Maine	43
5	20.0	"	Maine	43
2	14.2	Gerrish Island Wharf	Maine	42
3	13.8	"	Maine	42
1	13.4	Kittery Point	Maine	42
3	9.6	"	Maine	42
4	11.9	"	Maine	42
USE B.M.	13.4	Gerrish Island Wharf		

29 SUPPLEMENTAL DATA: (cont'd)

* One black and white print, Harbor Defenses of Portsmouth, N. H., Location Plan, Frost Point and Odiornes Point, Town of Rye, Rockingham County, N. H., dated August 27, 1941, scale 1"=200' (Confidential).

* One black and white print, Camp Langdon, New Castle, N. H., General Layout Map, dated October 28, 1941, scale 1"=50' (Confidential, restricted).

* One blue print, Jamaica Island, Topography and Hydrography, Contours, dated October 28, 1941, scale 1"=40'.

* One purple and white print, Plan Showing Area at Rye Harbor, N.H. proposed for Harbor Improvement, Military and Recreational Development, dated August 1, 1935, scale 1"=100'.

* *Sea Review Report*

30 MEAN HIGH-WATER LINE:

The stage of tide of the nine lens photographs, utilized in the process of detailing the Map Manuscript, were computed and found to be near half-tide.

The Field Inspection Party furnished adequate data concerning the Mean High-Water Line. This, and the stereoscopic examination of the shore line, expedited the compilation of the Mean High-Water Line.

31 LOW WATER AND SHOAL LINES:

All low-water and shoal lines indicated by the Field Inspection Party and those not identified by the Field Inspection Party, but visible on the nine lens photographs, have been detailed on this Map Manuscript.

32 DETAILS OFFSHORE FROM THE HIGH-WATER LINE:

Numerous rocks lie off the Atlantic Coast line and in the vicinity of the Piscataqua River, and Little Harbor. These were detailed on this Map Manuscript according to data furnished by the Field Inspection Party. Those radially plotted have been shown with the rock symbol, enclosed in a dotted circle. Rocks not identified by the Field Inspection Party, but delineated from the nine lens office photographs, were detailed on the Map Manuscript and noted on the discrepancy overlay for investigation during the Field Edit.

In addition, WHALEBACK LIGHTHOUSE, And STONES ROCK SPINDLE, both triangulation stations, lie offshore from the High-Water Line.

No other detail, offshore from the High-Water Line, was identified by the Field Inspection Party, or appeared on the nine lens photographs.

33 WHARVES AND SHORE LINE STRUCTURES:

All wharves and shore line structures, indicated by the Field Inspection Party, and others, interpreted from the nine lens office photographs, have been detailed on this Map Manuscript.

34 LANDMARKS AND AIDS TO NAVIGATION:

For information regarding "Landmarks and Aids to Navigation", see Paragraph 11 of the Field Inspection Report for Quadrangle T-8532.

As mentioned in the paragraph on control, STONES ROCK SPINDLE, 1917 (Me.) and JAFFERY POINT LIGHT, 1917, were not identified on the photographs by the Field Inspection Party. These two triangulation stations, which are also fixed aids to navigation, are not visible on the photographs. Their positions on the Map Manuscript have been shown by the triangulation symbol plotted from geographic coordinates. Identified horizontal control is so abundant in their vicinity that it is believed the plotted positions correctly place their features with respect to adjacent detail.

35 HYDROGRAPHIC CONTROL:

Form No. 524 is submitted with this report for each of five recoverable topographic stations which fall within the limits of this Map Manuscript. Positions and descriptions are furnished thereon. All of these are believed suitable for use as partial control for future hydrographic surveys as long as they remain in position. In addition, one azimuth reference mark has been shown on the Map Manuscript. Position and description for this is submitted on Form No. 524. This station is not believed suitable for future hydrographic control.

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YOW

36 LANDING FIELDS AND AERONAUTICAL AIDS:

No data was available to the Compilation Office, concerning landing fields and aeronautical aids within the limits of this Map Manuscript.

37 DISCREPANCY OVERLAY:

A discrepancy overlay has been prepared to accompany this Map Manuscript. On it are notes calling attention to additional data needed to make this Map Manuscript complete. Other notes which are deemed likely to be helpful to the Field Edit Party are included. A legend to aid in the interpretation of symbols used on the discrepancy overlay, has also been shown.

38 GEOGRAPHIC NAMES:

Geographic names inspection is the subject of a separate report for this Project as noted under Paragraph 18, of the Field Inspection Report for Quadrangle T-8532. This separate report has not been received by the Compilation Office as of the date of the completion of this Map Manuscript.

39 HORIZONTAL ACCURACY:

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

40 RECOMMENDATIONS FOR FUTURE SURVEYS:

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

41 JUNCTIONS:

The following complete junctions have been made:

To the west, with map manuscript for survey no. T-8531
To the east, is the Atlantic Ocean.
To the north, with map manuscript for survey no. T-8528
To the south, is the Atlantic Ocean.
To the southeast is the overlapping junction with map manuscript for survey no. T-8535.

This overlap lies within the waters of the Atlantic Ocean, and affects no junction of detail.

A rock breakwater, extending beyond the south limits, has been detailed on this Map Manuscript.

42 REMARKS:

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

43 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

Comparison was made with the U. S. Geological Survey Quadrangle, York, Maine-New Hampshire, edition of 1920, reprinted 1939, scale 1:62,500. Due to the great scale difference, only a general comparison of shore line and common highways could be made, and these were found to be in fair agreement. One notable change was found on the western shore line of Seavey Island. The Geological Survey shows a shoal area where now a man-made addition to the island is shown on the Map Manuscript.

44 COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with the following U. S. Coast & Geodetic Survey Charts:

Chart No.	Dated	Reprinted	Scale
50	Sept. 1934	Nov. 20, 1940	1:200,000
1106	June, 1933	June 30, 1941	For Offshore Navigation Only 1:350,000
1205	Dec., 1930	April 30, 1943	1:80,000
1206	May, 1941	July 7, 1943	1:80,000

Due to the great scale differences, only a general comparison could be made. The shore line was in fair agreement. A man-made addition to the northwest shore line of Seavey Island (Portsmouth Navy Yard), and a causeway between Seavey Island and Jamaica Island have been detailed on the Map Manuscript, but were not shown on any of these four charts.

Comparison was also made with U. S. Coast & Geodetic Survey Chart No. 329, dated June 1942, reprinted in April 27, 1943, scale of 1:10,000. Several disagreements were noted between this chart and the Map Manuscript, they are:

The west shore of Gerrish Island, east of Gooseberry Island, shows considerable rock ledge, which is not indicated on the Chart.

The shore line in the vicinity of Swards Point, shows slightly more rock ledge on the Chart, than detailed on the Map Manuscript.

In the vicinity of White Island, several additional very small islands appear on the chart, which are not indicated on the Map Manuscript and are not visible on the 1:20,000 scale office photographs.

Phillips Rock (submerged) and several other foul areas in this vicinity, as shown on the Chart, cannot be definitely identified on the 1:20,000 scale office photographs and have not been detailed on the Map Manuscript.

44 COMPARISON WITH NAUTICAL CHARTS: (cont'd)

The shore line of Frame Point, as shown on the Map Manuscript, has receded approximately 80 meters from that shown on the Chart.

Rock ledge is shown on the chart, extending south from Leachs Island. A marsh area is shown on the Map Manuscript at this location.

The shore line from Frost Point to Odiornes Point is shown on the Chart as a sandy beach. This is shown as a rock ledge on the Map Manuscript.

Some of the rocks shown on the Chart in the proximity of Pulpit Rock are in disagreement with those shown on the Map Manuscript.

All other shore line and offshore detail were found to be in generally good agreement.

Respectfully submitted,
December 21, 1943

Albert C. Rauck, Jr.
Albert C. Rauck, Jr.
Senior Photogrammetric Aid

Map Manuscript, Discrepancy
Overlay & Descriptive Report
Reviewed by:

William H. VanLoon
William H. VanLoon
Pr. Photogrammetric Aid

Compilation of Map Manu-
script Supervised by:

Joseph Steinberg
Joseph Steinberg
Asst. Photogrammetric Eng.

and

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

Approved & Forwarded:
December 23, 1943

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

FIELD EDIT REPORT
To accompany
QUADRANGLE T-8532
PROJECT 303-C (South)

46. The field edit of this quadrangle was accomplished mainly by a visual inspection of the topographical features as they were plotted on the compilation. A planetable was used to locate aids to navigation. Roads, buildings, streams, marsh areas and geographic names have been classified where they were omitted by the field inspection party. Rocks offshore were inspected according to instructions dated 12/27/43. Bridges were classified according to instructions.

The field edit notes were plotted on the cloth backed copy of the map manuscript according to the following color scheme:

Additions Black ink
Deletions Green ink
Boundaries Purple ink
Drainage Blue ink

Notes on the discrepancy overlay were checked in red ink.

47. The compilation is believed to be complete and accurate as corrected by the field edit.
48. Accuracy tests, both vertical and horizontal, are the subjects of special reports on Project 303-C (South).
11. Seven aids to navigation were located and also six landmarks for charts. These are submitted on the attached form 567. Two aids to navigation were found to be destroyed and are submitted for deletion on form 567.

*Chart letter (Gallen)
No. 95, 1944*

Submitted by

L.G. Chambers per J.H.

L.G. Chambers
Prin. Photo. Aid

Approved and forwarded

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

T-8532

Chart Letter No. 95 (1944)

Seven aids to navigation:

Frost Point Lt.
Jeffery Point Lt
Stielman Rocks Bn
Hicks Rocks Bn
Portsmouth Harbor F.R.
Portsmouth Harbor R.R.
South Bn

Six Landmarks:

Fort Constitution flagpole
Fort Foster flagpole
Wentworth Hotel flagpole
New Castle church spire
Wood Island Coast Guard cupola
Kittery Point Congregational Church spire

Delete:

Pumpkin Island Reef Light
Willey Ledge Bn.

Gallen, Jan 27, 1944

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T- 8532

KITTERY, Me.--N.H. QUADRANGLE

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

Horizontal and Vertical Accuracy ^{tests} None on this map area.

Horiz. On T-8531 (adjoining) of 13 well defined points only one was out of position more than 0.5mm; and on T-8534 of 10 points only two were off more than 0.5 mm, - and one of these was an ill defined point.

Vert. On the above-named quads no contour was off more than 1/2 a contour interval. T-8532 meets the 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.) (See listing in Compilation Report) Comparison with the previous surveys indicate many cultural changes inland, as well as some shoreline changes due to bulkheading and other improvements.

* See Review Report, next page.

U.S.G.S. YORK 15' 1/62500 ed. 1920

H-3976(WD) 1917 is the latest hydrographic survey in the area.

Comparison with Nautical Charts Nos. 329 1/10000
1206 1/80000

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 paragraph 44 of Compilation Report, pp 10, 11.

A comparison with chart 329 was made at time of registration, (rev. 1945; 1946, 1947). The chart does not agree well with the T-8532 with respect to both ledge and inshore detail. There is no record in the Descriptive Report that this survey has been applied. (LTS, Feb. 1948)

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

Rocks and offshore detail, with elevations noted by the Field Edit Party, were recorded on the manuscript. These features have been referenced to MLW (EST) during review.

Compilation Report
Page 6 & 7 of the *Compilation Report* lists several blueprints and photostats, some of which are listed as classified, have been disposed of.

Page 9, #40, states that this map is complete, however, the installations on Seavey ~~Island~~, *Shapleigh Island* were not mapped because of their confidential nature.

Page 1 of this report states that this map supercedes the previous surveys, etc., but since Seavey Island is incomplete as to details, it does not completely supercede the other surveys.

for
Ch. Review Section.

This review report was compiled from notes made at the time of review. LTS Feb. 1948

Reviewed 20 March, 1944 By Robert B. Collier
under direction of D. H. Benson

APPROVED: B. G. Jones 2/48
Inspected by B. G. Jones

~~Examined and approved~~

K. T. Adams
Chief, ~~Survey Branch~~
Div of Photogrammetry

~~Chief, Photogrammetry Section~~

R. Littleburg
Chief, Div. of Charts

C. K. Allen
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.

Remarks

Decisions

	Remarks	Decisions
1		
2		USGB
3		"
4		
5		
6		
7		
8		Road Maps
9		"
10		"
11		430707
12		"
13		
14		429707
15		430707
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25	Pending with USGB	"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8532

KITTERY quadrangle

1 Name on Survey

	A	B	C	D	E	F	G	H	K
✓ Atlantic Ocean									1
✓ Maine									2
✓ New Hampshire									3
✓ Rockingham County (N.H.)									4
✓ York County (Maine)									5
✓ Towns of Rye, Portsmouth, New Castle (N.H.)									6
✓ Towns of Kittery, York (Me.)									7
✓ U.S. No. 1 ?									8
✓ N.H. No. 1A, 1B, ?									9
✓ Maine No. 1/103 ?									10
✓ Portsmouth Harbor (mouth of Piscataqua river)									11
✓ Piscataqua River									12
									13
✓ Rye Harbor									14
✓ Ragged Neck Point									15
✓ Foss Beach									16
✓ Awcomin Marsh									17
✓ Washington Road									18
✓ Rye North Beach (village)									19
✓ Concord Point									20
✓ Wallis Sands									21
✓ Seal Rocks									22
✓ Pulpit Rock									23
✓ High Rock									24
✓ Shore Boulevard (1A)									25
✓ Brackett Road									26
✓ Sterling Corner									27

Remarks

Decisions

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

GEOGRAPHIC NAMES

Survey No. T-8532

2	Name on Survey	Source											
		A	B	C	D	E	F	G	H	K			
✓	Wallis Lands Road ✓											1	
✓	East Rye School <i>hist Manor</i>											2	
✓	Clark Road ✓											3	
✓	Fairhill Manor ✓											4	
✓	Fairhill Swamp ✓											5	
✓	Berrys Brook ✓											6	
✓	Odiornes Point ✓											7	
✓	Fort Dearborne ✓											8	
✓	Frost Point ✓											9	
✓	Seavey Creek ✓											10	
✓	Sheafes Point ✓											11	
✓	Witch Creek ✓											12	
✓	Foyes Corner ✓											13	
✓	Little Harbor ✓											14	
✓	Wentworth Road ✓											15	
✓	Sagamore Creek ✓											16	
✓	Blunts Island ✓											17	
✓	Clampit Island ✓											18	
✓	Goose Island ✓											19	
✓	The Wentworth ✓										(hotel)	20	
✓	New Castle Island ✓											21	
✓	Jaffrey Point ✓											22	
✓	Fort Stark ✓											23	
✓	Camp Langdon ✓											24	
✓	New Castle ✓											(village)	25
✓	Salamander Point ✓											26	
✓	Fort Constitution ✓											27	

Remarks

Decisions

	Remarks	Decisions
1		490707
2	Shore in Control type - Naming A PORTSMOUTH HARBOR L.H.	"
3		"
4	Pending wit. USGB: order also Marvin Island, which is present U.S.G.B. decision	"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8532

3	Name on Survey	Source of Name										
		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			
✓	Fort Point ✓										1	
✓	Portsmouth Harbor Light ✓										2	
✓	Goat Island ✓										3	
✓	Shapleigh Island ✓										4	
✓	Leachs Island ✓										5	
✓	Pest Island ✓										6	
✓	Boatswain Hill ✓										7	
✓	Salters Island ✓										8	
✓	Frame Point ✓										9	
✓	Little Island ✓										10	
✓	Pierces Island ✓										11	
✓	Fourtree Island ✓	?									12	
✓	Seavey Island ✓										13	
✓	Henderson Point ✓										14	
✓	Sullivan Point ✓										15	
✓	Clerks Island ✓										16	
✓	Hick Rocks ✓										17	
✓	Jamaica Island ✓										18	
✓	Navy Yard ✓										19	
✓	Squash Island ✓										20	
✓	Wadsworth Island ✓										21	
✓	Kittery ✓										22	
✓	Rogers Road ✓										23	
✓	Haley Road ✓										24	
✓	Shepherd Hill ✓										25	
✓	Shepherd Hill Check ✓										26	
✓	Spruce Creek ✓										27	

Remarks

Decisions

1		430707
2		"
3		"
4		"
5		"
6		"
7		" USGB
8		430706
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23	<i>shown only as name of A sta.</i>	"
24	<i>" " " " " "</i>	" USGB
25		431706
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8532

A	Name on Survey	Source of Information									
		A	B	C	D	E	F	G	H	K	
✓	Hutchins Creek										1
✓	Crocketts Brook										2
✓	Crocketts Neck										3
✓	Admiralty Village										4
✓	Kittery Point	(town)									5
✓	Fishing Island										6
✓	Pepperell Cove										7
✓	Safford School										8
✓	Paynes Neck										9
✓	Gooseberry Island										10
✓	Chauncey Creek										11
✓	Chauncey Creek Road										12
✓	Cutts Island										13
✓	Seapoint										14
✓	Gerrish Island										15
✓	Fort Foster										16
✓	Sisters Point										17
✓	Horn Island										18
✓	West Sister	(rock)									18
✓	East sister	(rock)									19
✓	White Island										20
✓	White Island Reef										21
✓	Wood Island										22
✓	Portsmouth Harbor C.G. Sta.										23
✓	Wholeback Light LH										24
✓	Stones Rock										25
✓	Brave Boat Harbor	(note limits marked by arrows on name sheet)									26
✓	Paynes Crossing										27

Remarks

Decisions

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

GEOGRAPHIC NAMES

Survey No. T-8532

5	Name on Survey											
		A	B	C	D	E	F	G	H	K		
	Godfreys Cove											1
	(Godfreys) Pond											2
	Seal Head Point											3
	Argo Point											4
	Seabury Switch											5
	Paynes Neck Road School											6
	Southside Brook											7
	Brave Boat Harbor Road											8
	Oakland Farm											9
	Bedell Crossing											10
	Forty Acre Hill											11
	Bartlett Road											12
	Norton Road											13
	Lewis Road											14
	Hill Creek											15
	Cutts Road											16
	Fuller Brook											17
	Post Road											18
	Wilson Creek											19
	Wilson Road											20
	Shapleigh School											21
	Manson Road											22
	Chickering Creek											23
	Gerry Road Cove											24
												25
												26
												27

Names underlined in red approved
by 4/17/44 on Heck