

5763

3675

Form 504
Rev. April 1935
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Topographic } Air Photographic
~~Hydrographic~~ } Sheet No. T-5763

State Virginia-Maryland

LOCALITY

Potomac River

Neabsco Creek to Quantico

Air photographs taken

1938-9

CHIEF OF PARTY

T.M.Price, Jr., Surveys Section

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No.

REGISTER NO. T-5763

State Virginia - Maryland

General locality Potomac River

Locality Neabsco Creek to Quantico

Scale 1:10,000 Date of photos June 29, 1938
survey Oct. 25, 1938
Apr. 23, 1939

Vessel

Chief of party T.M.Price, Jr., Surveys Section

Surveyed by see Page 1 of this report

Inked by

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated, 19....

Remarks: Compiled on scale 1:10,000. Scale factor 1.00.

Refer to next page for additional data.

Data Record T-5763

Photographs

Nos.	Date	Time	Scale (approx.)	Altitude (approx.)	Tide
2668	Oct. 25, 1938	11:45 A.M.	1:10,000	6,900 ft.	Low
2090, 2093, and 2097	June 29, 1938	12:30 P.M.	1:10,000	6,900 ft.	Low
3562-66	April 23, 1939	11:00 A.M.	1:10,000	6,900 ft.	0.6' below/ H

Camera: U. S. Coast and Geodetic Survey, nine lens, F=8 1/4 in.
Negatives on file: Washington office.

Stage of tide at time photos taken was derived both from field examination of photos and tide tables. The following information regarding the tide of the river in this locality was taken from the tide tables:

Mean range 1.4 ft.
Spring range 1.6 ft.

SUPPLEMENTAL SURVEYS

Field inspection by - T.M.Price, Jr., Nov. 1938
Jan. 1939
May 1940

The details on T-5763 are of the date of the photographs except for the items discussed in detail on page 5.

Chief of Party - T.M.Price, Jr., Surveys Section
Projection by ruling machine, Dec. 21, 1938
Scale factor 1.00 (1:10,000)
Control plotted by - J.W.Giberman, Dec. 23, 1938
Control checked by - L.A.McGann, Dec. 23, 1938 and
C.W.Lewin, Feb. 1940
Radial plot by - C.W.Lewin, March-May 1940
Compiled by - C.W.Lewin, March-May 1940

Smooth drafted by -

Reference station: Boundary Monument No. 46, 1929
Datum: N.A. 1927
Lat. 38-33-38.341 (1182.2 meters)
Long. 77-15-26.605 (644.2 meters) Adjusted

Maryland System of Plane Coordinates
x coordinate: 726,398.52
y coordinate: 264,974.40
Virginia (North) System of Plane Coordinates
x coordinate: 2,355,311.72
y coordinate: 327,956.97

DESCRIPTIVE REPORT AND REVIEW FOR AIR PHOTOGRAPHIC SURVEY T-5763

GENERAL INFORMATION

Both the office and the field surveys were executed by members of the ~~Field-Records~~ Section of the Washington Office. Surveys

The map drawing was compiled by standard radial plot methods using nine-lens photographs without templates.

The drafting was done roughly on celluloid first. The smooth drafting was then done on a blue line copy on bristol board.

General information about the project as a whole is contained in the Season's Report.

CONTROL

Triangulation: U.S.C. & G.S. 1901-1934

The following triangulation stations shown on T-5763 were not searched for and not used to control the photo plot:

Possum, 1928; Oak, 1928

Recovery notes have been written for all other stations.

FIELD INSPECTION AND INTERPRETATION OF PHOTOGRAPHS

Field inspection of control and detail was made from Nov. 1938 to Jan. 1939 and in May 1940.

The shoreline from Occoquan Bay to N. side of Quantico Creek, inclusive, was field inspected by boat. The rest of the shoreline was inspected by truck, except the upper two-thirds of Quantico Creek which was not visited.

The interior was inspected by traveling with the truck over a network of roads throughout the area. Only isolated areas of small extent, off the main traveled road, were not inspected.

Notes for locating the control on the photos are contained in notebooks Nos. 2 and 3, Potomac River Project, Air Photographic Surveys Files.

All notes for interpreting the detail on the photographs have been written directly on the field prints.

Discussion of streams through woods, contours, piles, houses, and fences, for which this survey is not complete, is contained in subsequent paragraphs.

Details on T-5763 are of the dates of the photographs except for minor water-front details such as piling and small piers and a few buildings which were determined by the field inspection.

RADIAL PLOT AND DETAILING

The control was adequate and the plot was made without unusual adjustments. In the extreme western section of the sheet some of the minor control points were determined by two cuts only.

COMPARISON WITH CONTEMPORARY SURVEYS

There are no contemporary topographic, hydrographic, or graphic control surveys.

COMPARISON WITH PREVIOUS TOPOGRAPHIC SURVEYS

T-865 (1862) 1:20,000
T-867 (1862) 1:20,000

The present survey is adequate to supersede the above previous surveys within the common area except for the following: contours, property lines, certain minor streams.

T-2700 (1904-5) 1:20,000
T-2701 (1905) 1:20,000
T-2637 (1903-4) 1:20,000

The present survey is adequate to supersede the above surveys in the common area except for the following:

Contours; certain fence and property lines;
certain streams and intermittent streams;
certain former roads now either non-existent
or trails of minor importance; a few buildings.

The R.R. shown on T-2637 proceeding westerly from Possum Pt. is now a second-class road as shown on the present survey.

COMPARISON WITH PRIOR TOPOGRAPHIC SURVEYS

T- 865 1:20,000, 1862
T- 867 1:20,000, 1862
T-2637 1:20,000, 1903-04
T-2700 1:20,000, 1904-05
T-2701 1:20,000, 1905

There has been little natural change in the Potomac River shoreline since 1862.

Several cultural changes have been made, mostly due to fills and cuts made to straighten out the Richmond, Fredricksburg, and Potomac R.R., and to development of the river front at the Quantico Marine Base. Several small ponds have formed behind the new railroad embankment and piles remain across Neabsco and Powells Creeks where the old railroad trestles crossed. There has been a fill on the south side of Powells Creek extending some 120 meters east of the old shoreline where the railroad crosses the creek.

At Cherry Hill a fill about 20 meters wide has been made at the river bank next to the garbage disposal plant, and there is a row of piles extending out from the river bank just north of the plant.

There is a wreck and a single pile east of the railroad and just south of the entrance of Neabsco Creek.

There is a wreck and a group of piles in Quantico Creek at Lat. $38^{\circ} 32.1'$, Long. $77^{\circ} 17.1'$ two piles just west of the bridge on the same creek and another group of piles at Lat. $38^{\circ} 31.9'$, Long. $77^{\circ} 16.9'$.

Two small piers and a marine railway extend out from the Quantico Marine base into Quantico Creek just east of the bridge.

The group of piles at Quantico at Lat. $38^{\circ} 31.5'$ Long. $77^{\circ} 17.0'$ was put ^{on the chart} ~~in~~ around 1920. The main pier and launch harbor at Quantico likewise are of later date than the surveys listed above.

T-5763 supersedes the above listed surveys except for contours.

COMPARISON WITH EXISTING MAPS OF OTHER ORGANIZATIONS

U. S. Army Tactical Map, Va.-Md., Quantico Quadrangle,
Grid Zone B, 1925, 1:62500

The present survey is adequate to supersede the above survey within the common area except for contours, certain minor and intermittent streams, certain minor trails and buildings.

COMPARISON WITH CHARTS

Chart No. 560 (1:40,000 scale), printed 2-1-40.

The symbol or blot which occurs on the chart at Lat. 38-35-38, Long. 77-15-01 was investigated and no source for it found. The Nautical Chart Section has been advised, and it is noted for removal on the chart standard.

Chart No. 559

Piles just north of the Quantico Pier are not shown on 5763 as they do not appear on the photographs. However, they have not been disproved by field examination.

The List of Landmarks for this area was submitted to the Nautical Chart Section 7-15-40.

T-5763 has not been applied to the chart drawings as yet (12-3-41), so that the changes listed under Comparison with Prior Surveys should be made now.

The piles shown on chart 559 just north of and adjacent to the main pier at Quantico do not appear on T-5763 but have not been disproved by field inspection and should be carried forward.

Combined report and review by T.M.Price, Jr., and
C.W.Lewin, Surveys Section.

Inspected by B. G. Jones.

Examined and approved:

Robert W. Price
Chief, Surveys Section

K.T. Adams
Chief, Section of Topography

J.S. Borden
Chief, Division of Charts

G.H. de
Chief, Division of Coastal
Surveys

T-5763

	Remarks	Decisions
1	ear ok'd. by Carl Eike, Jr., Woodbridge, Va. who has been familiar with river in neighborhood for over 30yrs.	USE 385772
2	ditto	USE "
3	Name of P.O. & Ry. Sta. ok'd by numerous signs	USE "
4	ok'd locally by Eike	USE H 556-B
5	ditto	USE "
6	ditto	USE "
7	no check made locally	USE "
8	well recognized name	USE "
9	no check made locally	USE "
10	ditto	USE 386772
11	ok'd locally by Eike	USE 386772 USG.B.
12	Ry. stop with waiting shed. Dozen houses listed in RFP time table	USE 386772
13	Source Source: Eike, who is noted above	USE 386772
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27		
M 234		

GEOGRAPHIC NAMES

Survey No.

T-5763

Name on Survey

	On Chart No. 559-560	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	
✓✓ <u>Powells Cr.</u>	✓		✓	✓					1
✓✓ <u>Freestone Pt</u>	✓		✓	✓					2
✓✓ <u>Cherry Hill</u>	✓		✓	✓		✓			3
✓✓ <u>Cockpit Pt</u>	✓		✓	✓					4
✓✓ <u>Possum Nose</u>	✓		✓	✓					5
✓✓ <u>Possum Pt</u>	✓		✓	✓					6
✓✓ <u>Shipping Pt</u>	✓		✓						7
✓✓ <u>Quantico</u>	✓		✓	✓	✓	✓			8
✓✓ <u>Quantico Cr</u>	✓		✓						9
✓✓ <u>Little Cr</u>			✓						10
✓✓ <u>Neabsco Cr</u>	✓		✓	✓					11
✓✓ <u>Neabsco</u>			✓	✓					12
✓✓ <u>Farm Cr</u>				✓					13
<u>Potomac River</u>									14
									15
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Names underlined in red approved
by L. Heck on 6/14/40

826

1840/wrw



HEADQUARTERS

MARINE BARRACKS, QUANTICO, VIRGINIA

24 September, 1941.

From: The Commanding General.
To: The Director, U.S. Coast and Geodetic Survey,
Department of Commerce,
Washington, D. C.

Subject: Topographic Map T-5763.

1. The subject-named map, together with your letter of September 23, 1941, has been received. I see no objection to your publishing the map as it now is since it contains no confidential or secret information.

2. There has been considerable development on the Marine Corps Reservation at Quantico during the past two years which is not indicated on the subject-named map.


E. MCCARTY LITTLE.

Copy to be filed in Descriptive Report

Park

826-DRM

September 23, 1941

To: Commanding Officer,
U. S. Marine Base,
Quantico, Virginia.

From: The Director,
U. S. Coast and Geodetic Survey.

Subject: Topographic map T-5763.

One copy of topographic map T-5763 covering part of the Quantico reservation is being forwarded to you under separate cover for examination. Please advise this office whether any of the details within the military reservation should be deleted from the map before publication.

(Signed) J. H. HAWLEY

Acting Director.