

5754

Diag'd. on Diag. Ch. No. 77-4

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photographic

Field No. _____ Office No. T-5754

LOCALITY

State D.C. - Va.

General locality Washington, D.D.

Locality Hains Pt. and Vicinity

Air Photos Taken

194 8, 39, 1940

CHIEF OF PARTY

T.M.Price, Jr. , Field Records Section

LIBRARY & ARCHIVES

DATE _____

5754

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

REG. NO. - T-5754

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. 5754

State D.C. - Virginia

General locality Washington, D. C.

Locality Hains Point and vicinity

Scale 1:10,000 Date of ~~Survey~~ photos June 29, 1938
Nov. 18, 1939, 19.....

Vessel..... Mar. 12, 1940
June 28, 1940

Chief of party T.M.Price, Jr., Field Records Section

Surveyed by.....

Inked by.....

Heights in feet above.....to ground to tops of trees

Contour, Approximate contour, Form line interval.....feet

Instructions dated....., 19.....

Remarks: Additional data on next page.

Registered - 3/11/49

DATA RECORD, SHEET NO. T-5754

Photographs

<u>Nos.</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u> <u>(approx.)</u>	<u>Altitude</u> <u>(approx.)</u>	<u>Tide</u>
2057)					
2064:	June 29, 1938	11:00 a.m.	1:10,000	6,900 ft.	1.0' below High
2078)					
3647	Nov. 18, 1939	-	"	"	High
3665)					
3667)	Nov. 18, 1939	-	"	"	High
4806	Mar. 12, 1940	1:18 p.m.	"	"	1.4' below High
4838	June 28, 1940	10:51 a.m.	"	"	1.5' below High

Camera: U. S. Coast and Geodetic Survey, 9 lens, F = 8-1/4 inches
Negatives on file: Washington office

State of tide (see above) from tide tables
Range of tides at Washington Channel from tide tables:
Mean range : 2.9 ft.
Spring range: 3.3 ft.

SUPPLEMENTAL SURVEYS

Field inspection by: T. M. Price, Jr., Dec. 1938, and C.W.Lewin, October 1940. The details in any particular area on T-5754 are of the date of the latest of the above photograph covering that area except for items listed under "Information from other sources" page .

Chief of Party: T. M. Price, Jr., Field Records Section
Projection by: Ruline Machine, June 1939
Scale Factor: 1.00
Control plotted by: J. W. Gibberman, D. C. Lande, H. D. Reed; July 1939
Control checked by: L. V. Evans, III, March 1940
Additional control plotted by: L. V. Evans, III, April 1940; Jan. 1941
" " checked by: H. P. Wowra, C.W.Lewin, April 1940
D.H. Benson, Jan. 1941
Radial Plot by: C.W.Lewin, August - October 1940
Compiled by: C. W. Lewin, August - October 1940
L. V. Evans, III, January 1941

Reference station: Washington Monument, 1934 (Adjusted)
Latitude 38° 53' 21.681" (668.6 meters)
Longitude 77° 02' 07.955" (171.7 meters)

State Plane Coordinate System:
Virginia (North zone)
x = 2,416,832.19 ft.
y = 448,585.37 ft.

Not shown on the map
Maryland
x = 789,882.96 ft.
y = 384,581.34 ft.

DESCRIPTIVE REPORT AND REVIEW FOR AIR PHOTOGRAPHIC
SURVEY T-5754

GENERAL INFORMATION

Both the field inspection and office compilation were executed by members of the Field Records Section, Washington office.

The surveys on this project were made for the purpose of revising the topography on chart 560 and for the possible construction of the new 1:20,000 scale chart for Washington and vicinity. T-5754 also furnishes an index of all existing triangulation control in the area covered. T-5755 includes only the shore line, offshore details, and buildings along the shore. No interior details are shown, as the map of Washington and vicinity is now being revised by the U. S. Geological Survey and will be available in the near future.

CONTROL

Triangulation by U. S. Coast and Geodetic Survey,	1863-1934
Triangulation by U. S. Engineers,	1923-1939
Theodolite three-point fix stations by Field Inspection Party	1939-1940

All horizontal control in the area is shown on the survey except those stations known to have been lost at the time of the survey. Recovery notes for all Coast and Geodetic Survey stations recovered in the field have been submitted to the Division of Geodesy. Recovery notes have not been written for all stations shown, nor was every station searched for during the field inspection. Descriptions for the three-point fix stations are filed as topographic descriptions under T-5754.

FIELD INSPECTION AND DATE OF SURVEY

Field inspection was made in December 1938 and supplemental inspection in October 1940. The entire shore line was inspected by boat; the shore line works and structures inspected from land.

Notes on the field inspection of control are contained in notebooks 1 through 5, Potomac River Project, on file in the Air Photographic Section of the Field Records Section. Notes for the interpretation of details were made directly on the field photographs.

Shore line is of the date of the photographs with the exception of minor changes which were brought up to the date of the October 1940 inspection. The interior detail shown is of the date of the photographs.

RADIAL PLOT

The horizontal control was adequate. A standard radial plot without templates was made. No difficulty was experienced in making a strong plot, with strong intersections and ample check on each radial point used.

BRIDGE DATA

Bridge clearance data for all bridges shown on this survey are given in the U. S. Engineers Bridge Book for 1935.

LANDMARKS FOR CHARTS

Recommended landmarks for chart 560 as determined by field inspection have been forwarded to the Nautical Chart Section on Form 567. 2/27/41

INFORMATION FROM OTHER SOURCES

From field inspection, December 1938 and October 1940: Certain details such as wrecks, seawalls, small marine railways, which did not appear on the photographs were located with reference to other, visible, details.

JUNCTIONS

T-5754 joins the following air photographic surveys:

T-5753

T-5755

T-5756

The junctions between these sheets were checked in the course of the compilation.

COMPARISON WITH PREVIOUS TOPOGRAPHIC SURVEYS

T-4091 (1:10,000) 1924
T-2028 (1: 4,800) 1891
T-2029 (1: 4,800) 1891
T-1988 (1: 4,800) 1889-90
T-1962 (1: 4,800) 1889-90

T-5754 is adequate to supersede, for charting, the shore line details on the above surveys. Surveys prior to those above listed have not been examined in connection with this review. Any charted details from older surveys which are not superseded by T-5754 will be noted under comparison with chart 560.

T-5754 is superseded by T-8602 + T-8603 in common areas.

COMPARISON WITH CHART 560 (PRINT OF 9-30-40) * 1:4800, 1946

T-5754 shows numerous minor changes in shore line details.

Preliminary surveys of the U. S. Geological Survey are now available for the interior details on this chart; however, since field work by the Geological Survey is still in progress the latest copies of their sheets should be obtained when a major revision of chart 560 is made.

If the general revision of topography on chart 560 or the construction of a new chart are delayed for some time, then when the work is taken up T-5755 should be field inspected and revised to bring up to date the various construction now in progress in this area.

Combined report and review by: Lewis V. Evans, III

Inspected by: *B.G. Jones* *
B. G. Jones 1941

Examined and approved:

B.G. Jones 3/49 Chief, Section of Field Records
Division of Photogrammetry 3/49
H. Edmiston Chief, Division of Charts
Nautical Chart Branch

K.T. Adams Chief, Section of Topography
Chief, Division of Photogrammetry
C.H. Green Chief, Division of
Coastal Surveys

* Shoreline survey T-5754 was compiled in 1941 and has been available for nautical chart correction since that date but because of more important work it was not registered in the archives until 1949. It is now superseded by more recent surveys T-8602 and T-8603.
B.G. Jones 3/49

Remarks.

Decisions

	Remarks.	Decisions
1		
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11	<i>Chart No. 560 and U.S.G.S. quadrangle map, edition of 1929, make no distinction between "E." & "W.", call whole area simply "Potomac Park".</i>	
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No need to copy
name list

GEOGRAPHIC NAMES

Survey No. T-5754

Name on Survey	On Chart No. 560		On previous survey		On U. S. quadrangle Maps 1929 ea		On local Maps P. C. Surveyors 1933		P. O. Guide or Map		Rand McNally Atlas		U. S. Light List	
	A	B	C	D	E	F	G	H	K					
Patomac River	X		X		X					X				1
Anacostia River	X		X		X					X				2
Arlington Memorial Bridge					X									3
Hains Point	X		X		X									4
Columbia Island	X		X		X									5
Theodore Roosevelt Island	X				X									6
Easby Pt.	X		X											7
Gravelly Pt.	X		X		X									8
Naval Air Station	X		X		X									9
U.S. Navy Yard	X		X		X									10
E. Potomac Park					X									11
W. Potomac Park					X									12
Tidal Basin	X		X		X									13
Washington Channel	X		X		X									14
Buzzard Pt.			X		X									15
Greenleaf Pt.					X					X				16
Fort Humphreys					X									17
Anacostia Park					X									18
Boundary Channel	X				X									19
Little River			X		X									20
Georgetown Channel			X		X					X				21
Rock Creek	X		X		X									22
Anacostia	X		X											23
Washington	X		X		X									24
														25
														26
														27