

# 8602

Diag'd on Diag. Ch. No. -77-5

# 8602

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey <u>Planimetric, Air Photo-graphic Boundary Survey</u>	
Field No. _____	Office No. <u>T-8602</u>
LOCALITY	
State <u>Dist. of Columbia-Virginia</u>	
General locality <u>Potomac River</u>	<u>Georgetown and Vicinity</u>
Locality <u>Key Bridge</u>	
<u>194</u>	
CHIEF OF PARTY	
<u>Louis J. Reed</u>	
LIBRARY & ARCHIVES	
DATE <u>Feb 10-1949</u>	

T-8602

Project No. (II): Ph-12(46)

~~Field~~ Office: Washington, D. C. Chief of Party: Louis J. Reed

Compilation Office: Wash. D. C. Chief of Party: Louis J. Reed

Instructions dated (II III): 9 May 1946  
27 Dec. 1946

Copy filed in Descriptive  
Report No. T- (VI)  
8600.01

Completed survey received in office: 1 March 1948

**Reported to Nautical Chart Section:**

Reviewed: 30 April 1948      Applied to chart No.      Date:

**Redrafting Completed:**

Registered: <sup>Jan. 1949</sup> ~~27 Dec. 1948~~

**Published:**

**Compilation Scale: 1:4,000**

**Published Scale: 1:4,800**

**Scale Factor (III): 1.000**

Geographic Datum (III): N.A. 1927

**Datum Plane (III):** Low-water datum of Washington Harbor (See item 30

Reference Station (III): ~~Lincoln, 1924~~ of the compilation report)

Lat.: ~~38°53'20.221" (623.5m)~~ Long.: ~~77°03'02.199" (53.0m)~~ Adjusted  
~~Unpublished~~

**State Plane Coordinates (VI): Virginia, North Zone**

$$x = \underline{2, 4, 12, 5, 6, 10}$$
$$Y = \underline{\underline{448,369.62}}$$

Local Grid: Washington Suburban Sanitary Commission

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
D2154-D2156, Inc.	3-27-46	12:41	1:7,000 Con. 1:4,000 ratio ?	M.H.W. (Approx.)
D2165-D2175, Inc.	3-27-46	12:52-13:02	"	"
D2212-D2213	3-27-46	13:14	"	"
D2237-D2240, Inc.	5-13-46	12:04-12:05	"	M.L.W. (Approx.)
D2241-D2245, Inc.	5-13-46	12:06-12:07	1:7000	"
D2296-D2301, Inc.	5-13-46	12:34-12:35	1:7000	"

**Tide from (III):** Refer to item 30 of the compilation report.  
(filed in descriptive report for T-8600, '01)

**Mean Range:**

**Spring Range:**

**Camera:** (Kind or source) "D" Camera U. S. Coast and Geodetic Survey  
(focal length = 12")

**Field Inspection by:** Everett H. Ramey

**date:** June-July, 1946

**Field Edit by:** Stanley J. Hathorn

**date:** Jan.-Feb., 1948

**Date of Mean High-Water Line Location (III):** June-July, 1946

**Projection and Grids ruled by (III)** T.L. Janson

**date:** Aug.-Nov., 1946

" " " **checked by:** T.L. Janson  
K.N. Maki

**date:** Aug.-Nov., 1946  
Apr. 1948

**Control plotted by:** Lou Reed

**date:** Aug.-Dec., 1946

**Control checked by:** G.B. Dean & J. McDonald

**date:** Aug.-Dec., 1946

**Stereoplanigraph**

**Redrawn by:** Lou Reed & M.G. Misulia

**date:** Aug. 1946-Apr. 1947

**Detailed by:** Lou Reed & M. G. Misulia

**date:** Aug. 1946-Apr. 1947

**Reviewed in compilation office by:** M. G. Misulia

**date:** June 1947

**Elevations on** Map Manuscript  
~~Field Edit Sheet~~  
**checked by:** S. J. Hathorn

**date:** February 1948

Note:

A description of "The Boundary Line Between the District of Columbia and the Commonwealth of Virginia as surveyed ~~by the~~ in 1946 and 1947 by the U.S. Coast and Geodetic Survey" is attached to this Descriptive Report for T-8606.

The following data pertinent to the entire Project Ph-12(46) is filed in the Descriptive Report for T-8600 and T-8601:

1. Public Law 208 - 79th Congress

An act - To establish a boundary line between the District of Columbia and the Commonwealth of Virginia.

2. Project Instructions, Ph-12(46) dated 9 May 1946.

3. Project Instructions, Ph-12(46), Supplement #1 dated 27 December 1946.

4. Field Inspection Report.

5. Compilation Report.

6. List of Horizontal Control Stations.

Harold R. Brooks  
12 May 1948.

Office Inspection Report

Shoreline Planimetric Survey No. T-8602

Project Ph-12(46)

Survey No. T-8602 is the third of a series of seven planimetric map manuscripts, as compiled by the Zeiss Stereoplanigraph, to be field edited in project Ph-12(46).

The map manuscript was carefully inspected for completeness and features of questionable interpretation were called to the field editor's attention on one of the single-weight prints of Survey No. T-8602.

The position of several horizontal control stations, which were not used as control for the compilation, have been plotted onto the map manuscript during the office inspection. One of these stations is D. C.-Virginia boundary Witness Mark No. 6, 1946 which was established by the Division of Geodesy. The description of this station as noted on Form 525 is to be checked during the field edit. The mean high-water line, in the immediate vicinity of all these newly plotted stations, is to be checked during the field edit in accordance with item 19 in the Instructions for Project Ph-12(46)/Field and Office, Supplement 1, dated 27 December 1946. The mean-high-water line along the east shore of the Potomac River is to be checked during the field edit.

Several additional control stations for which a search was made during the recovery of control for this project, but could not be found, were plotted onto the map manuscript. Because of their proximity to other control, no detailed search was made. These stations are recommended to be searched for because of the availability of Survey No. T-8602 which should greatly localize the extent of the search and thus make recovery much simpler.

All of the newly plotted horizontal control stations were called to the field editor's attention on the single-weight print noted previously, accompanied by pertinent notes.

The materials for the field edit of Survey No. T-8602 are being forwarded to the Administrative Planning Section, together with a copy of this report.

Michael G. Misulia  
2 June 1947

Field Edit Report  
Project Ph-12(46)  
T-8602

46. Methods:

The field edit was completed in accordance with project instructions dated 9 May 1946 and 27 December 1946, and general field edit instructions dated 24 August 1945.

All deletions were made directly on the field edit sheet in green ink. Additions and corrections in red ink, wherever possible, were made on the field edit sheet. All additions and corrections made on the photographs are noted on the field edit sheet along with the photograph number.

New detail was located by planetable or tape within the minimum allowable limits for horizontal error.

Violet ink was used to indicate points which were checked for horizontal accuracy.

47. Adequacy of Compilation:

The compilation of the Washington shoreline upstream of G Street was found inadequate. A detailed inspection was made on photograph D-2239 to allow correction of the original compilation.

Checking of compiled detail along the Washington shore was limited to the mean-high-water-line.

The compilation of the Virginia area was adequate except for a certain amount of buildings and woods which were deleted because the compilation of buildings was incomplete and the area is too far inshore for the detail to be of significance.

48. Accuracy Tests:

Only one of the three triangulation stations not used to control the compilation was recovered. This station, D. C.--Va. Boundary W. M. No. 58, was used to check the shoreline with planetable and the mean-high water-line was found to be well within the allowable error.

49. Woods:

Woodland cover was reclassified in accordance with Photogrammetry Instructions No. 15 dated 16 June 1947.

#### 4. Horizontal Control:

U.S.C. & G.S. stations, Little-1935 and Finish-1935, were not recovered after a thorough search with planetable; and it is recommended that they be considered "lost". Form 526 was submitted for both stations.

Two National Park Service traverse stations (monumented with Public Buildings and Public Parks disks) were recovered and Form 525 was submitted for both stations.

(All horizontal control recovered during field edit is shown on the project horizontal control index.)

#### 5. Vertical Control:

All bench marks not recovered by the field inspection party were searched for and reported on Form 685A. All bench marks recovered in good condition were identified (approximately) on the photographs.

(Bench marks recovered during field edit, along with the photographs used for identification, are shown on the project vertical control index.)

#### 14. Road Classification:

Roads are classified in accordance with Photogrammetry Instructions No. 10 dated 14 April 1947, and Amendment, dated 24 October 1947.

Street names were checked in the field.

#### 18. Geographic Names: ✓

No systematic names investigation was made except where requested by the office reviewer. *List of approved names attached.*

Submitted  
15 April 1948

*Stanley J. Hathorn*  
Stanley J. Hathorn  
Photogrammetrist



# GEOGRAPHIC NAMES

Survey No. T-8602

Georgetown, D-C-Va.  
1 Name on Survey

	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	
Virginia								USCB	1
District of Columbia								"	2
Potomac River								"	3
Washington								"	4
									5
Pennsylvania									6
Baltimore and Ohio									7
Washington and Old Dominion									8
Capital Transit Co. (Electric)									9
Old Chesapeake and Ohio Canal									10
U.S. 50									11
U.S. 29 211									12
									13
Easby Point									14
Theodore Roosevelt Island								USCB	15
Little River									16
Rock Creek									17
Georgetown									18
Georgetown University									19
Francis Scott Key Bridge									20
Rosslyn									21
Radnor Heights									22
Rocky Run.									23
Munitions Building									24
Federal Reserve									25
National Academy of Sciences									26
American Institute of Pharmacy									27

# GEOGRAPHIC NAMES

Survey No.

T-8602

2 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	
Department of State									1
Capital Transit Building									2
<u>George Washington Memorial Parkway</u>									3
<u>Rosslyn Plaza</u>									4
<u>The Mole</u>									5
<u>Georgetown Channel</u>									6
= (Hains Pt to Georgetown piers)									7
<u>Washington Canoe Club</u>									8
<u>Potomac Boat Club</u>									9
<u>Arlington County</u>									10
									11
									12
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									14
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									25
									26
									27

Names underlined in red are approved.  
Street names on overlay also checked  
and found to agree with current official  
maps. 7/26/48. L. Heck

SUPPLEMENTARY COMPILATION T-8602

Photographs 54W 364, 365, & 370.

Three stacks on the north shore of the Potomac River in Georgetown between Francis Scott Key Bridge and Rock Creek were delineated on a vinylite reproduction from the glass plate negative for T08602.

Five triangulation stations were used to orient the photographs under the manuscript:

Lower of Two Spires (Georgetown Univ.) 1925  
Arlington Brewery Cupola, 1913  
Concrete Chimney, 1913  
Heurichs Brewery Finial, 1913  
Old Naval Observatory Pipe, 1863

The three stacks were visible on the three photographs and afforded radial lines of good angle and intersection for fourth order positions. Forms 524 were filed.

LTS

11 Aug. 1954



Division of Photogrammetry  
Review Report of  
Planimetric Map Manuscript T-8602

Subject numbers not used in this report have been adequately covered in other parts of the descriptive report.

26. Control.--The control summary for Project Ph-12(46) attached to the descriptive report for T-8600 and T-8601 has several discrepancies and omissions on control listed for T-8602.

Triangulation stations Finish, 1935 and Little, 1935 were not recoverable and are considered lost. They have been removed from the map manuscript.

Two recovered National Park Service 1939 traverse stations, numbers 3245 and 3247, were plotted on the map manuscript. Thirteen bench marks, recovered by field inspection, were shown on the map manuscript with elevations to the nearest one-tenth foot.

28. Detailing.--Field edit corrections were applied by the reviewer. No changes other than those recommended by field edit were made to the map manuscript.

44. Comparison with Existing Topographic Quadrangles:

Washington and vicinity, Md.-Va.-D.C., 1:31,680,  
U.S.G.S., 1913-15 (surveyed), 1941-42 (revised).

T-2042	1" = 900' (approx.)	1837
T-910a	1:15,000	1863-74
T-942	1:15,000	1864
T-1960	1:31,680	1864
T-2028	1: 4,800	1891
T-2621	1:10,000	1902
T-4091	1:10,000	1924

These surveys are superseded in all common features in all common areas.

45. Comparison with Nautical Charts:

Chart No. 560, 1:40,000, 12/1/47  
Washington Harbor, 1:20,000 (Insert)

This map manuscript has not been applied to nautical chart 560.

*Rock awash at Lat. 38° 53' 45" and Long. 77° 04' 01" was changed to  
rock bare at MHW in accordance with the field inspection and the field edit  
for this map. 15 Feb 1951 Everett H. Ramey*

Reviewed by:

K. H. Maki  
7-10-48

Reviewed under the direction of:

S. V. Griffith  
Chief, Review Section K.H.M.

Approved by:

B. J. Jones 1/49  
Asst. Assistant to the  
Chief, Div. of Photogrammetry

H. C. Edmonston  
Chief, Nautical Chart Branch  
Division of Charts

K. T. Adams  
Chief, Div. of Photogrammetry

C. F. Green  
Chief, Division of Coastal  
Surveys