

8605

(711)

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

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Planimetric, Air Photo-
Type of Survey graphic Boundary Survey

Field No. _____ Office No. T-8605

LOCALITY

State District of Columbia-Virginia

General locality Potomac River

Locality Potomac Yards - Alexandria

194

CHIEF OF PARTY

Louis J. Reed

LIBRARY & ARCHIVES

DATE

Feb 10 - 1949

B-1870-1 (1)

8605

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
D2157	3-27-46	12:50	1:7,000 Contact 1:4000 ratio	M.H.W. (Approx.)
D2183-D2190, Inc.	3-27-46	13:03-13:04	"	"
D2199-D2205, Inc.	"	13:12-13:13	"	"
D2252-D2258, Inc.	5-13-46	12:07-12:08	1:7,000	M.L.W. (Approx.)
D2265-D2271, Inc.	"	12:13-12:14	"	"
D2280	"	12:24	"	"
D2287-D2288	"	12:33	"	"

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:** March 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 **date:** Aug.-Nov., 1946
K. N. Maki

Control plotted by: L. Reed **date:** Aug.-Dec., 1946

Control checked by: G. B. Dean & J. McDonald **date:** Aug.-Dec., 1946

Stereoplanigraph
Redrawn by: L. Reed & M. G. Misulia **date:** Aug. 1946-Apr. 1947

Detailed by: L. Reed & M. G. Misulia **date:** Aug. 1946-Apr. 1947

Reviewed in compilation office by: M. G. Misulia **date:** July 1947

Elevations on ^{Map Manuscript} ~~Field Edit Sheet~~
checked by: S. J. Hathorn **date:** March 1948

Note:

A description of "The Boundary Line Between the District of Columbia and the Commonwealth of Virginia as Surveyed in 1946 and 1947 by the U. S. Coast and Geodetic Survey" is attached to the 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-8605

Project Ph-12(46)

Survey No. T-8605 is the sixth 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-8605.

The positions 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. Two of these stations are D. C.--Virginia Boundary Witness Marks which were established by the Division of Geodesy. The descriptions of these stations as noted on form 525 are to be checked during the field edit. The position of 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.

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-8605 are being forwarded to the Administrative Planning Section, together with a copy of this report.

Michael G. Misulaa
7-18-47

Field Edit Report
Project Ph-12(46)
T-8605

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:

In general, the map manuscript was complete and adequate except for construction changes, certain inconsistencies in building compilation inshore of a dashed blue line shown on the field edit sheet, and for minor details.

Inshore of the dashed blue line, it is believed the compiler attempted to show certain groups of buildings and single buildings as landmarks. However, the selection was not uniform or complete, and there are no outstanding landmark buildings on the sheet inside of the dashed blue line that would enhance the value of the sheet. Therefore, only street detail, public buildings, churches, and schools have been verified inshore of the reference line. All detail riverward of the dashed blue line was verified.

Since this arbitrary line is based upon the extent of compilation, it may be necessary for the reviewer to adjust the line to give uniformity to all the sheets.

(See this paragraph for T-8604 concerning 1948 plan of Potomac Yard).

Two plans are submitted for the Braddock Light and Power Company, Inc. generating plant that is under construction along the river in Alexandria. These plans show the property limit, buildings under construction, proposed street and siding construction, and proposed change in the mean-high-water-line. The proposed change in the mean-high-water-line is subject to approval from the Department of Interior. The existing mean-high-water-line bounding the plant was checked by planetable and found to be in agreement with the compiled mean-high-water-line although a high bank of earth fill has been bulldozed just inshore of the mean-high-water-line.

48. Accuracy Tests:

Horizontal detail was checked by occupying with planetable all the plotted horizontal control stations not used to control the compilation.

The mean-high-water-line was corrected in the vicinity of P.B. & P. P. traverse station 32216 where overhanging trees caused the field inspector to incorrectly delineate the mean-high-water-line.

No error was found in the compiled mean-high-water-line at the other stations occupied by planetable, and it is believed the sheet meets the horizontal accuracy requirements.

49. Woods:

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

50. Future Changes:

The mean-high-water-line that was corrected immediately upstream of Queen Street is undergoing constant change from the dumping of refuse between the covered pier and an extension of south edge of Queen Street. *This area falls within the limits of T-8606.*

4. Horizontal Control:

All triangulation stations not recovered by the field inspection party were searched for and reported on Form 526.

Form 526 is submitted for six National Park Service traverse stations (five monumented with P.B. & P.P. disks,

and one with C. of E. Public Buildings and Grounds disk.) that were recovered during field edit.

(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 on the field edit sheet and on the map of Arlington National Cemetery were verified by a field check.

18. Geographic Names: Q\W^v

An official street map of the City of Alexandria is submitted along with the field edit sheet. No attempt was made to show sectional names of the city since these sections have no definite limits. Furthermore, these sections, which were originally isolated, have lost prominence as a result of recent city growth. *List of approved names attached.*

Submitted
15 April 1948

Stanley J. Hathorn
Stanley J. Hathorn
Photogrammetrist

GEOGRAPHIC NAMES

Survey No. **T-8605**

2 Name on Survey

	A	B	C	D	E	F	G	H	K	
Abington Apartments										1
Federal Recreation Area (Proposed)										2
Potomac River Clay Works										3
Braddock Light and Power Company										4
Harbor Terrace Apartments				✓						5
Riverview Apartments										6
Mt. Vernon Garden Apartments		man's	not	approved						7
Memorial Circle										8
Herbert Bryant Inc. (Fertilizer)										9
Shell Oil Company										10
U.S. A. Quartermaster Market										11
St. Johns Baptist Church										12
George Washington High School										13
Church of the Nazarene										14
St. Auburn Gardens										15
Residential Area Names:										16
Lynhaven										17
St. Elmo								USCB		18
Abington										19
Del Ray										20
East Braddock										21
Rosemont Park										22
Westover										23
										(not shown on preliminary name overlay)
Hume										24
Street names shown on name overlay have been checked with official city map of Alexandria and with Field Edit Sheet, and no discrepancies found, except as noted on No. 1, line 8										25
										26
Names underlined in red are approved. 8/24/48 L. Heck										27

GEOGRAPHIC NAMES

Survey No. T-8605

Potomac Yard
Alexandria, Va.

1 Name on Survey

	A	B	C	D	E	F	G	H	K	
Virginia									USCB	1
District of Columbia									"	2
Potomac River									"	3
Alexandria										4
Potomac Yard										5
Mount Vernon Memorial Highway										6
U.S. No. 1										7
Jefferson Davis Highway (River Road)										8
										9
Washington and Old Dominion										10
Richmond Fredericksburg and Potomac										11
Other railways jointly using Potomac Yards:										12
Baltimore and Ohio										13
Pennsylvania										14
Chesapeake and Ohio										15
Southern										16
										17
Washington Sailing Marina										18
St. Rita's Catholic Church										19
First Christian Church										20
Mt. Vernon School										21
The Church of God										22
Del Ray Baptist Church										23
Del Ray Methodist Church										24
Potomac Fire Department										25
Dangerfield Island Radio Range										26
Parkridge Apartments										27

Division of Photogrammetry
Review Report of
Planimetric Map Manuscript T-8605.

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

26. Control:-- The P.B. & P.P. traverse station 32215 listed in the control summary for Project 34-12(46) attached to the descriptive report for T-8600 and T-8601 was not recoverable and is considered lost. No search was made for traverse station 32222 listed in the control summary and it is not shown on the manuscript.

Two additional P.B. & P.P. traverse stations, 32274 and 32277, were recovered but are not shown on the map manuscript.

Five bench marks, recovered by field inspection, were shown on the map manuscript with elevations to the nearest one-tenth foot.

The elevations of the U.S.E. bench marks on this map manuscript were referred to the mean low-water datum. These elevations have been adjusted to the Sea-Level Datum of 1929.

In the vicinity of Second Street, Alexandria, Virginia, the D.C.-Va. boundary line follows the mean high-water line of the Virginia shore southward to a point where the centerline of Second Street, Alexandria, extended eastward on a true bearing of S 81° 00' E., intercepts the Virginia shore at the mean high-water line; thence on a true bearing of S 66° 54' E. to D1, an unmarked point in water, denoting the northerly end of the pierhead line, whose position is determined by U.S.C. coordinates.

43. Comparison with Previous Surveys:

T-910a	1:15,000	1863-74
T-241	1:15,000	1864
T-1960	1:51,680	1863-64
T-2024	1: 4,800	1891
T-2621	1:10,000	1902
T-4091	1:10,000	1924
T-5756	1:10,000	1937, 38-40

Common features on these surveys are superseded by the map manuscript.

44. Comparison with Existing Topographic Quadrangle:- Wash-
ington and vicinity, D.C.-Va., 1:51,680, U.S.G.S., 1913-15
(surveyed), 1941-42 (revised).

45. Comparison with Nautical Charts:- Chart No. 560, 1:40,000,
12/1/47.

51. Application to Nautical Charts:- This map manuscript has
not been applied to nautical chart 560.

Reviewed by:

K. H. Maki
K. H. Maki
6 July 1948

Reviewed under direction of:

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

Approved by:

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

J. R. Edmonson
Chief, Nautical Chart Branch
Division of Charts

K. T. Adams
Chief, Div. of Photogrammetry

C. H. Green
Chief, Division of Coastal
Surveys