

11184



Diag. Cht. No. 77-5.

11184

Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY DESCRIPTIVE REPORT	
<i>Type of Survey</i> <u>Shoreline</u>	
<i>Field No.</i> <u>Ph-5803</u> <i>Office No.</i> <u>T-11184</u>	
LOCALITY	
<i>State</i> <u>District of Columbia</u>	
<i>General locality</i> <u>Anacostia River</u>	
<i>Locality</i> <u>Bladensburg, Md.</u>	
<u>1958-59</u>	
CHIEF OF PARTY	
<u>L. W. Swanson, Div. of Photo. Washington,</u> <u>D. C.</u>	
LIBRARY & ARCHIVES	
DATE <u>Sept. 10, 1962</u>	

DATA RECORD

T-11184

Project No. (II): PH-5803 Quadrangle Name (IV):

Field Office (II):

Chief of Party:

Photogrammetric Office (III):

Officer-in-Charge: L. W. Swanson

Instructions dated (II) (III): 29 Aug. 1958
(Field and Office)

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Stereoscopic (Kelsh)

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): 1:25,000

Scale Factor (III): 1:0

Date received in Washington Office (IV): 7/6/59 Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

2/7/61

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N. A. 1927

Vertical Datum (III):

Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (S) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III):

Lat.:

Long.:

Adjusted
Unadjusted

Plane Coordinates (IV):

State:

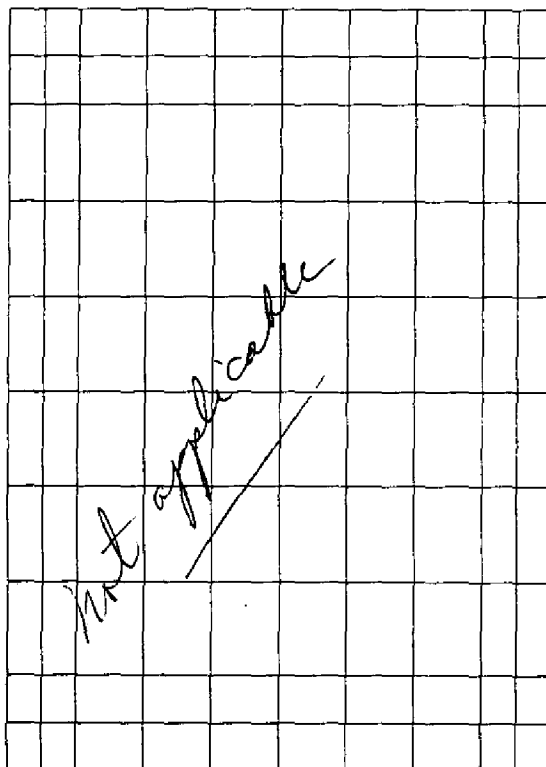
Zone:

Y=

X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.



Areas contoured by various personnel
(Show name within area)
(II) (III)

DATA RECORD

Field Inspection by (II): Robert S. Tibbetts

Date: 15 Dec. 1958
15 Jan. 1959

Planetable contouring by (II): *not applicable*

Date:

Completion Surveys by (II): *none*

Date:

Mean High Water Location (III) (State date and method of location):

1958 - Field Inspection

Projection and Grids ruled by (IV): P. Dempsey

Date: 5-15-59

Projection and Grids checked by (IV): R. D. Shoup

Date: 5-15-59

Control plotted by (III): J. B. Phillips

Date: 5-22-59

Control checked by (III): M. Keller

Date: 5-22-59

Radial Plot or Stereoscopic
Control extension by (III):

Date:

Planimetry J. B. Phillips
Stereoscopic Instrument compilation (III):

Date: 5/29/59

~~EDWARDS~~

Date:

Manuscript delineated by (III): J. B. Phillips

Date: 7/7/59

Photogrammetric Office Review by (III): *Morton Keller*

Date:

Elevations on Manuscript
checked by (II) (III): *none*

Date:

4

Camera (kind or source) (III):

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
*58-S-5019 thru 58-S-5025	6-17-58	10:10 thru 10:13½	1:25,000	0.9' above MLW
58-S-4896 thru 58-S-4900	6-14-58	13:33 thru 13:35	1:40,000	0.2' above MLW

Tide (III)

Reference Station: Washington, D. C.
 Subordinate Station: Anascostia River (Anascostia Bridge
 Subordinate Station: D. C.)

Ratio of Ranges	Mean Range	Spring Range
	2.9	3.3

Washington Office Review by (IV): *M. Strufler*

Date: *Aug. 1960*

Final Drafting by (IV): *A P Berry*

Date: *10-5-60*

Drafting verified for reproduction by (IV): *W O Halluin*

Date: *2-14-61*

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **17**

Shoreline (More than 200 meters to opposite shore) (III):

Shoreline (Less than 200 meters to opposite shore) (III): **11**

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

Recovered: **7**

Identified: **7**

Number of BMs searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): **0**

Number of Temporary Photo Hydro Stations established (III): **3**

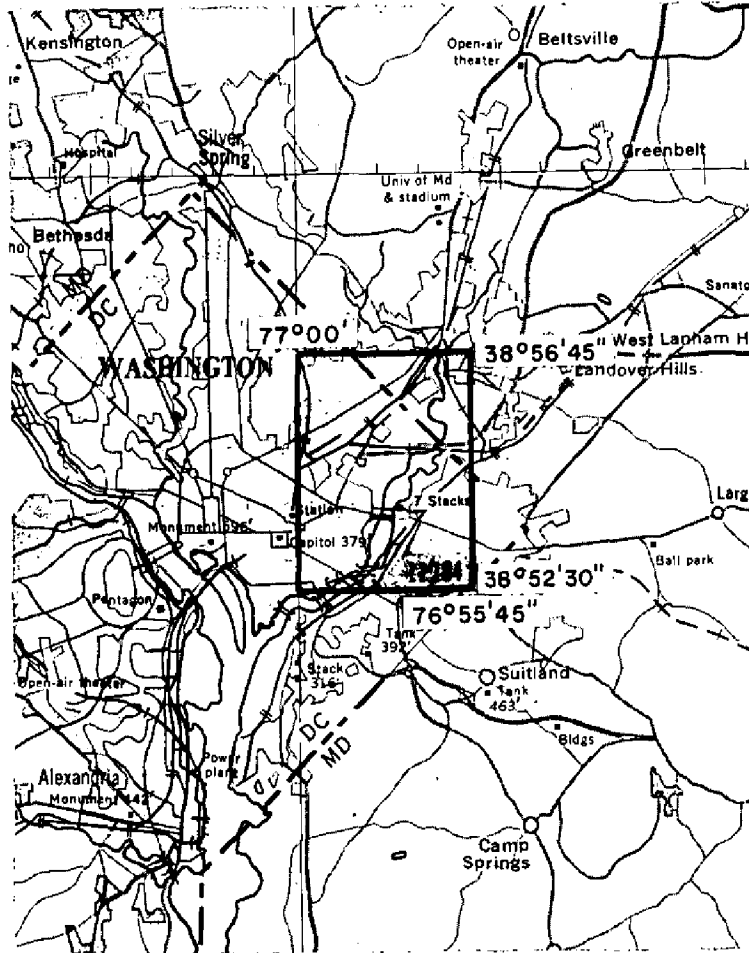
Remarks:

* Used in stereo triangulation bridging

PROJECT PH-5803

Shoreline Mapping Scale 1:10,000

DC-Md. Anacostia River



Official Sheet Number	Milage for Cost Accounts Area Sq.Mi.	Lin. Mi. Shoreline
T-11184	17	11

SUMMARY
to accompany Shoreline Map Manuscript T-11184

T-11184 is the only sheet of project PH-5803. It was designed to provide a basic hydrographic survey and covers the Anacostia River from the vicinity of the U. S. Naval Gun Factory in the District of Columbia north-eastward to the Northwest Branch of said River in Maryland.

Subject survey was compiled from May to July in 1959 by stereoscopic methods (Kelsh Plotter) from single-lens photography of June 1958 and results of field inspection of Dec. 1958 to Jan. 1959.

A cronar film positive at the compilation scale of 1:10000 and the Descriptive Report will be registered and filed in the Bureau Archives.

August 1960

FIELD INSPECTION REPORT
SHEET T-11184

2. AREAL FIELD INSPECTION

This report is submitted for sheet T-11184. The area covers a shoreline survey of the Anacostia River section of the District of Columbia and adjacent Maryland. It consists generally of the area from Bladensburg, Maryland south to the Navy Gun Factory, and in-shore to the first street.

The work was accomplished during the period of 15 December 1958 thru 15 January 1959, by photogrammetry party 723.

The major part of the land immediately along the river, inside of the District line is owned by the National Capital Park System, and in Maryland by the Washington Suburban Sanitary Department or National Capital Park and Planning Commission.

The photographs for the sheet, consisted of 1958 single lens ratio prints, 1:10,000 scale. The photographs were of good quality and no photo-interpretation difficulties were encountered.

3. HORIZONTAL CONTROL

A number of substitutions were made due to the high percentage of lost and/or destroyed stations, and approved by the Washington office.

a. Triangulation Station MAHAN (FORT), 18 was substituted for one of H (USE); G (USE); DEAN'S (DR.) LIGHTNING ROD ON CHIMNEY and COAL (USE).

b. Triangulation Station BRADBURY HEIGHTS LARGE SILVER WATER TANK, BALL ON TOP (WSSD) was substituted for one of TEE (USE); L (USE); and M (USE).

4. VERTICAL CONTROL

Not applicable.

There are a number of perennial and intermittent streams within the area, all of which have been indicated on the field photographs.

Contours and Drainage
Not Applicable

6. WOODLAND COVER

Woodland cover was classified in accordance with Topographic Manual, Part 2. Swamp has been outlined throughout the limits of the sheet. Adequate field inspection notes are shown on the photographs.

7. SHORELINE AND ALONGSHORE FEATURED

Shoreline inspection was accomplished from a skiff run close to shore, and by walking along the seawall. The area originally was predominately marsh and swamp, but is rapidly being filled by sanitary fills, all of which have been labeled Sanitary Fill (active) on the photographs.

In most cases the mean high water line is defined by a concrete seawall and/or riprapment. Adequate field inspection notes have been shown on the photographs.

No attempt was made to delineate the approximate low-water line on the photograph, as it is very close to, or at the base of the seawall.

Two submerged cables have been shown on photographs 58S-5022. All shoreline structures were inspected and adequate field inspection notes are shown on the photographs.

A new Marina is under construction at Bladensburg, Maryland copies of the general plans have been obtained and will be transmitted to Washington Office with this report.

8. OFFSHORE FEATURES

No offshore features were noted.

9. LANDMARKS AND AIDS

A thorough inspection of landmarks for Nautical Charts was made. All previously charted landmarks and one new landmark is recommended for charting. Form 567 will be submitted with project 5803 report.

No fixed aids to navigation were noted.

BOUNDARIES, MONUMENTS AND LINES

10. Boundary survey were omitted by authority of letter from the Chief, Photogrammetry division, dated 19 December 1958, 73 rrj.

11. OTHER CONTROL

There were no marked topographic stations established.

To meet the minimum spacing requirements of one recoverable topographic or triangulation every two miles, prominent objects are used.

A few prominent objects were picked and noted on the photographs for future hydro signals.

12. OTHER INTERIOR FEATURES

All roads were classified in accordance with Photogrammetry Instructions No. 56.

Buildings were inspected in accordance with Photogrammetry Instructions No. 54, dated 2 January 1958.

There are no airports or landing fields within the limits of the sheet.

Clearances of 14 Bridges crossing navigable waters were measured during the field inspection. These clearances will be tabulated and submitted with the project report.

Several overhead cables have been noted on the photographs. The clearance of these cables is greater than the maximum fixed bridge clearance.

13. GEOGRAPHIC NAMES

A systematic geographic names report was not required.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Forms, No 526 will be transmitted at a later date.

Forms, No 567 will be transmitted at a later date.

Submitted:
3 February 1959



Robert S. Tibbetts
Acting Chief, Photogrammetry Party 723

Photogrammetric Plot Report

Anacostia River PH-5803

(Stereoplanigraph Bridge)

March 1959

21. Area Covered

T-11184, Anacostia River

22. Method

Aerotriangulation was performed on the C-5 stereo-planigraph. The bridge consisted of 1:25,000 scale photos 58S5019 through 5025. An IBM adjustment was made using 4 control stations to formulate the equations. Four other control stations were used to provide a check on the adjustment.

23. Adequacy of Control

Control was adequate. After IBM adjustment all 8 stations held within 0.3 MM at manuscript scale. Triangulation station Rogers Heights Standpipe, 1952 was office identified. Refer to plot sketch.

24. Supplemental Data

None

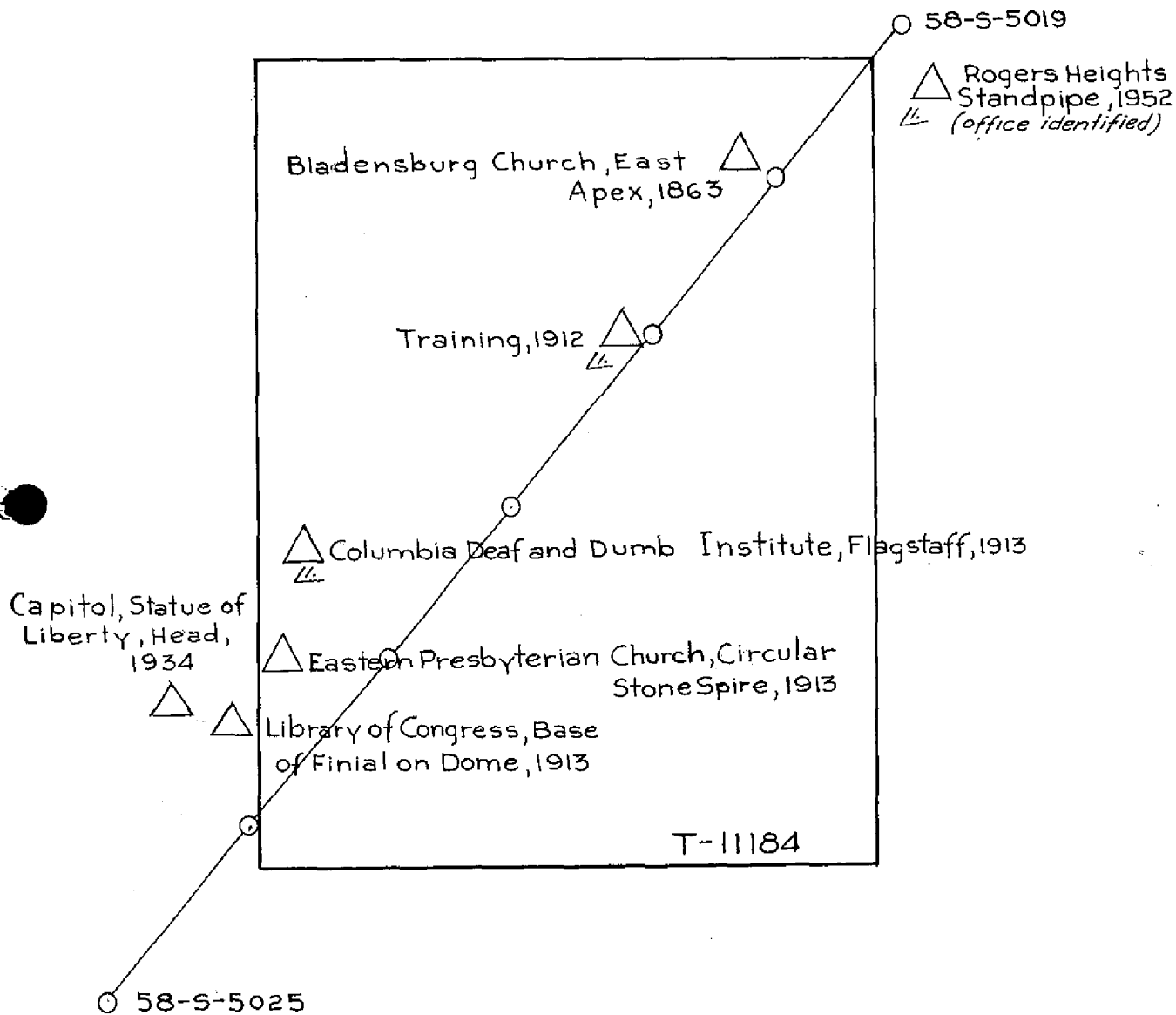
25. Photography

Adequate

Morton Keller
Morton Keller

//

ANACOSTIA RIVER
PH-5803
PHOTOGRAMMETRIC PLOT SKETCH
Stereoplanigraph Bridging
Scale 1:25,000



△ St. Elizabeths Insane Asylum, white Stack, 1934
//

// Stations used to control bridge. All other stations used as checks.

Compilation Report T-11184

31. DELINEATION - This manuscript was compiled by stereoscopic methods on the Kelsh Plotter.
The field inspection was adequate.
32. CONTROL - The identification and density of control was adequate.
33. SUPPLEMENTAL DATA - None
34. CONTOURS AND DRAINAGE - Contours; not applicable.
Drainage; no comment.
35. SHORELINE AND ALONGSHORE DETAILS - Shoreline inspection was adequate.
36. OFFSHORE DETAILS - No comment
37. LANDMARKS AND AIDS - Form 567 is submitted for six (6) landmarks for charts

38. CONTROL FOR FUTURE SURVEYS - Three photo-hydro stations are shown on the manuscript. The description of each is listed in paragraph No. 49
39. JUNCTIONS - None

40. HORIZONTAL AND VERTICAL ACCURACY - No comment

46. COMPARISON WITH EXISTING MAPS -

U.S.G.S. Washington East, Md.-D.C. quadrangle
1:24000 1957.

47. COMPARISON WITH NAUTICAL CHARTS - This manuscript
has been compared with Chart No. 560, scale 1:40,000
published 3-16-59, corrected to 5-30-59.

Items to be applied to Nautical Charts immediately:

None

Items to be varried forward: None

Submitted

Jacqueline Phillips
Jacqueline Phillips

Approved

Morton Keller
Morton Keller
Super Cartographer (Photo)

T-11184

Notes for the Hydrographer

49. PHOTO-HYDRO STATIONS-

- 001 - South end of Sea Wall
- 002 - Center of aband. flood gate
- 003 - Potomac Elec. Power Co. Stack
(center stack of three stacks)

T-11184

GEOGRAPHIC NAME LIST

Anacostia Park
*Anacostia River

*District of Columbia

Lake Kingman

Maryland

*Washington

* B,G.N. Decisions

George M. Boice
GEOGRAPHIC NAMES SECTION
2 AUGUST 1960

REVIEW REPORT OF
SHORELINE MAP MANUSCRIPT T-11184
August 1960

62. Comparison with Registered Topographic Surveys:

T-910 ^a	1:15000	1863-64	
T-950	1:15000	1863-64	
T-1036	1:10000	1865-74	
T-1801	1:4800	1887-89)	
T-1821	1:4800	1887-91)	
T-1948	1:4800	1888-89)	King's Plates
T-1962	1:4800	1888-89)	
T-2029	1:4800	1891)	
T-5755	1:10000	1937-39	

Cultural changes of subject area have been constant and extensive. T-11184 is to supersede above-listed registered topographic surveys of identical area and detail for nautical charting purposes.

63. Comparison with Maps of Other Agencies:

WASHINGTON EAST, MD. - D. C., 1:24000, 1956,
U. S. Geological Survey
There is good agreement between these two surveys.

64. Comparison with Contemporary Hydrographic Surveys:

None!

65. Comparison with Nautical Charts:

560 1:40000 Revised to 6/27 60
Only that portion of subject survey to 38°55 latitude (near the District of Columbia and State of Maryland line) is covered by chart 560 and this common area is in good agreement. There is no nautical coverage of the remainder.

66. Adequacy of Results and Future Surveys:

This compilation meets the requirements of adequacy and accuracy for this type of survey.

Reviewed by:

Josef J. Streifler

Josef J. Streifler

Approved by:

R. C. Landy

Chief, Review & Drafting
Section
Div. of Photogrammetry

Morris T. Robinson

Chief, Nautical Chart Div.

J. E. Laugh 9/5/62

Chief, Division of
Photogrammetry

Max Skellett

Chief, Coastal Surveys
Division

DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PR-5803
7-11164

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~

STRIKE OUT ONE

Washington, D. C. July 7 1959

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks be charted on (deleted from) the charts indicated.

The positions given have been checked after listing by E. H. Madsen

E. H. Madsen
Chief of Party.

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE*		LONGITUDE*		DATUM							
			° ' "	D. R. METERS	° ' "	D. R. METERS								
	STACK, 1950 No. 80 (947)		30° 55'	59.73	76° 56'	06.76	1927	MA	Photo Plot	1950				560
	(2) Cupola, 1958		38° 51'	03.66	76° 58'	17.68	"	"	"	"				"
	(3) STACK, 1958		38° 53'	55.92	76° 58'	30.97	"	"	"	"				"
	(4) STACK, 1958		38° 53'	06.86	76° 58'	22.28	"	"	"	"				"
	(5) W STACK, 1958		38° 52'	30.76	76° 59'	23.01	"	"	"	"				"
	(6) E STACK, 1958		38° 52'	30.70	76° 59'	22.35	"	"	"	"				"

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids shall be reported on this form. The data should be considered for the charts of the area and not for other charts.

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T-11184

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