

5755

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

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey AIR PHOTO

Field No. Office No. T-5755

LOCALITY

State D. C.

General locality Anacostia River

Locality Penn. Ave. Bridge to District Line

1943 37,8,9

CHIEF OF PARTY

T.M. Price, Jr.

LIBRARY & ARCHIVES

DATE

5755

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. T-5755

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-5755

State.....D.C.....

General locality.....Anacostia River.....

Locality.....Penn. Ave. Bridge to District Line.....

Photos July 8, 1937

Scale 1:10,000..... Date of survey June 29, 1938, 19.....

Oct. 25, 1938

Vessel..... Nov. 18, 1939.....

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

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 page 1 for additional data.....

GPO

Registered - 3/11/49

Data Record T-5755

PHOTOGRAPHS

Nos.	Date	Time	Scale (approx.)	Altitude (approx.)	Tide
1725	July 8, 1937	4:02 P.M.	1:10,000	6,900 ft.	Low
2057-60	June 29, 1938	11:05 A.M.	1:10,000	6,900 ft.	0.8' below H
2665	Oct. 25, 1938	11:30 A.M.	1:10,000	6,900ft.	0.8' below H
3666-68	Nov. 18, 1939	12:35 P.M.	1:10,000	6,900 ft.	High

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

The stage of the tide at the time the photographs were taken was derived both from field examination of the photographs and tide tables. The following information regarding the tide of the river at Benning Bridge was derived from tide tables.

Mean range: 2.9'
 Spring range 3.3'

SUPPLEMENTAL SURVEYS

Field inspection by - T.M. Price, Jr., Dec., 1938 and C.W. Lewin, Sept., 1940

The details on T-5755 are of the date of the ^{June 1938} photographs except for the items discussed in detail on page 370.

Chief of Party - T.M. Price, Jr., Section of Field Records

Projection by - Ruling Machine, April 6, 1940

Scale factor - 1.00 (1:10,000)

Triangulation control plotted by L.V. Evans, III, April, 1940 and C.W. Lewin, Sept., 1940

Triangulation control checked by Harry Wowra and C.W. Lewin, April, 1940 and L.V. Evans, III, Sept., 1940

Radial plot by - C.H. Lee and C.W. Lewin, June-September, 1940

Compiled by - C.H. Lee and C.W. Lewin, June-September, 1940

Reference station:

P.E.P. Co., center stack of 3 stacks, 1917

Lat.: 38° 53' 50.208" (1548.2 meters)

Long.: 76° 57' 35.171" (847.6 meters) Adjusted

Title: D.C.

Anacostia River

Penn. Ave Bridge to District Line

State Plane Coordinate System:

Maryland

x = 811,449.95 Ft.

y = 387,467.80 Ft.

~~Virginia (North)~~

DESCRIPTIVE REPORT AND REVIEW FOR AIR PHOTOGRAPHIC SURVEY T-5755

GENERAL INFORMATION

Both the field inspection and office compilation of T-5755 were accomplished by members of the Field Records Section.

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-5755 includes only the shoreline, offshore details, and buildings along shore. No interior details are shown, as ^{the} map of Washington and vicinity is now being ^{revised} ~~made~~ 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. Army Engineers 1931-1939.

One theodolite three point fix by the Field Inspection Party.

All horizontal control in the area is shown on the survey with the exception of stations which are known to have been lost at the time of this survey. Recovery notes for Coast and Geodetic Survey stations have been submitted to the Division of Geodesy. Recovery notes have not been made on U. S. Engineer stations nor were all U. S. Engineer stations shown on the map searched for during the field inspection.

FIELD INSPECTION AND DATE OF THE SURVEY

Field inspection was made in December, 1938, and in September, 1940. The entire shoreline was inspected by boat.

Notes on the field inspection of control are contained in notebooks Nos. 1, 3, 4, Potomac River Project, air photographic section. Notes for interpretations of details were made directly on the field photographs.

Shoreline is of the date of the photographs with the exception of minor changes in piers and structures which were brought up to the date of the September 1940 inspection. Interior details are of the date of the photographs with the exception of a limited amount of new construction which was brought up to date of the September 1940 field inspection.

RADIAL PLOT

The control was adequate. Because of paper distortion and incomplete calibration of the transformer some photographs could not be plotted to hold all control points. In such cases the position of the photograph center was determined by holding as nearly as possible to all control points. Directions were then plotted using the center point as determined above, and swinging each wing individually onto the ground control in that wing. This method of plotting was possible in this area as every wing contained ground control.

BRIDGES

Bridge clearances are given in the U. S. Engineers bridge book for 1935 with the exception of the Pennsylvania Avenue bridge which is now under construction. Clearances for this bridge have not been obtained.

SUPPLEMENTAL PHOTOGRAPHS

Single lens photographs borrowed from the U. S. Geological Survey were used to assist in the interpretation of the buildings compiled from the wings of the nine-lens photographs. Copies of the single lens photographs were not retained in the files of this Bureau.

COMPARISON WITH PREVIOUS TOPOGRAPHIC SURVEYS

T-5755 is adequate to supersede the sections of the following previous surveys which it covers.

T-910a (1874)	1:15,000	T-1821 (1887-91)	1:4,800
T-950 (1863-4)	1:15,000	T-1948 (1888-89)	1:4,800
T-1036 (1865-74)	1:10,000	T-1960 (1863-64)	1:31,000
T-1801 (1887-89)	1:4,800	T-2330 (1803)	King plats of D. C.

LANDMARKS FOR CHARTS

Recommended landmarks for chart 560 as determined by field inspection have been forwarded to the Nautical Chart Section on Form 567, (1/16/41).

COMPARISON WITH CHART 560 (print of 9/30/40)

T-5755 shows numerous minor changes in shoreline details.

Preliminary surveys of the U. S. Geological Survey are now available for the interior details on the 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.

Shows surveys by U.S.G.S. are being made to revise their map of Washington and vicinity

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:

Carl W. Lewin

Inspected by:

B.G. Jones *
B. G. Jones 1940

Examined and approved:

K.T. Adams

Chief, ~~Section of Field Records.~~

Division of Photogrammetry 3/49

McAdmonston
Chief, ~~Division of Charts.~~
Nautical Chart Branch

C.K. Green

Chief, ~~Section of Field Work.~~

Chief, Division of Coastal Surveys.

* Shoreline survey T5755 was compiled in 1940 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

B.G. Jones
3/49

GEOGRAPHIC NAMES

Survey No. T-5755

Name on Survey	On Chart 560 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,							
Anacostia River	x		x	x	x				x							1
Anacostia Park	x				x	x										2
East Lake					x											3
Kingman Lake	x				x											4
Shaw Lily Ponds			x		x											5
Beaverdam Branch									x							6
Benning Bridge									x							7
Penn. Ave. Bridge			x			x										8
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Remarks

Decisions

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