

10916 10917
10918

Diag. Cht. No. 77-6.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Planimetric
Field No. Ph-5901 Office No. T-10916, T-10917 and T-10918

LOCALITY

State Maryland
General locality Potomac River
Locality Shiloh, Mills Pt. & Chaptice

1958-61

CHIEF OF PARTY
G.F. Wirth, Photo Party 723
W.E. Randall, Baltimore Dist. Off.

LIBRARY & ARCHIVES

DATE April 1964

USCOMM-DC 5087

10916 10917
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10916

DESCRIPTION	COMPLETION DATE	REASON
Compilation Completed	3/10/61	Superseded
Field edit of bluffs added	1/26/62	

COMPLETION REPORT	COMPLETION DATE	REMARKS
Compilation completed	12/6/60	

DESCRIPTIVE REPORT - DATA RECORD

T - 10916, 10917 & 10918

PROJECT NO. (II):		Ph-5901	
FIELD OFFICE (II):		CHIEF OF PARTY	
Faulkner, Maryland		George F. Wirth	
PHOTOGRAMMETRIC OFFICE (III):		OFFICER-IN-CHARGE	
Baltimore, Maryland		William E. Randall	
INSTRUCTIONS DATED (II) (III):			
January 28, 1959			
Letter from Assistant Director dated May 15, 1959			
" " " " " June 29, 1959			
METHOD OF COMPILATION (III):			
Graphic			
MANUSCRIPT SCALE (III):		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):	
1:10,000			
DATE RECEIVED IN WASHINGTON OFFICE (IV):		DATE REPORTED TO NAUTICAL CHART BRANCH (IV):	
APPLIED TO CHART NO.		DATE:	DATE REGISTERED (IV):
GEOGRAPHIC DATUM (III):		VERTICAL DATUM (III):	
N.A. 1929		MHW XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX MEAN SEA LEVEL EXCEPT AS FOLLOWS: Elevations shown as (25) refer to mean high water Elevations shown as (5) refer to sounding datum i.e., mean low water or mean lower low water	
REFERENCE STATION (III):			
BURR, 1908			
LAT.:	LONG.:	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED	
PLANE COORDINATES (IV):		STATE	ZONE
186,070.42	x = 839,203.37	Maryland	
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.			

FORM C&GS-181b
(12-61)

T-10916

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): G. F. Wirth R. S. Tibbetts E. E. Brown		DATE: November thru December 1959
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): April 1959 field inspection on May 1958 photographs.		
PROJECTION AND GRIDS RULED BY (IV): J. Keefer		DATE 5/24/60
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
CONTROL PLOTTED BY (III): J. Steinberg		DATE 7/6/60
CONTROL CHECKED BY (III): J. A. Mooney		DATE 7/6/60
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): H. R. Rudolph		DATE 8/18/60
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): J. C. Richter		DATE 10/6/60
SCRIBING BY (III): J. C. Cregan		DATE 12/6/61
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. Glaser		DATE 3/10/61

REMARKS:

FORM C&GS-181b
(12-61)

T-10917

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (III): G. F. Wirth R. S. Tibbetts E. E. Brown		DATE: November thru December 1959
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): December 1959 field inspection on May 1958 photographs.		
PROJECTION AND GRIDS RULED BY (IV): P. Dempsey		DATE 5/24/60
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
CONTROL PLOTTED BY (III): J. Steinberg		DATE 7/6/60
CONTROL CHECKED BY (III): J. A. Mooney		DATE 7/6/60
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): H. R. Rudolph		DATE 8/18/60
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): J. C. Richter		DATE 9/23/60
SCRIBING BY (III): J. C. Cregan		DATE 2/12/62
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. Glaser		DATE 12/14/60

REMARKS:

FORM C&GS-181b
(12-61)

T-10918

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): G. F. Wirth R. S. Tibbetts E. E. Brown		DATE: November thru December 1959
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): December 24, 1959 field inspection on May 1958 photographs		
PROJECTION AND GRIDS RULED BY (IV): P. Dempsey		DATE 5/24/60
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
CONTROL PLOTTED BY (III): J. Steinberg		DATE 7/6/60
CONTROL CHECKED BY (III): J. A. Mooney		DATE 8/7/60
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): H. R. Rudolph		DATE 8/18/60
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): J. C. Richter		DATE 9/12/60
SCRIBING BY (III): B. Wilson		DATE 11/10/61
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. Glaser		DATE 12/6/60
REMARKS:		

FORM C&GS-181c
(12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

T-10916

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

USC&GS "W" with 6" focal length and nine-lens/.

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
57254 thru 57256	5/22/58	11:02	1:10,000	0.1' above MLW
57267 & 57268	"	11:15	"	0.0' " "
57289	"	11:48	"	0.0' " "
57297	"	11:58	"	0.3' " "
59-W-9572	10/5/59	13:49	"	1.8' " "

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Washington, D. C.		2.9'	3.3'
COORDINATE STATION: Bushwood or Rock Pt.		1.9'	2.2'
SUBORDINATE STATION: Lower Cedar Pt Lt Md.		1.4'	1.6'

Balto. District office final
WASHINGTON OFFICE REVIEW BY (IV): *R. Glaser* DATE: *4/16/63*

PROOF EDIT BY (IV): DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): None RECOVERED: IDENTIFIED:

NUMBER OF BM(S) SEARCHED FOR (II): None RECOVERED: IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 1*

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): None

REMARKS:

* Non-monumented

FORM C&GS-181c
(12-61)

T-10917

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

USC&GS "W" with 6" focal length and nine-lens

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
57257	5/22/58	11:03	1:10,000	0.1' above MLW
57296	"	11:58	"	0.3" " "
59-W-9570	10/5/59	13:47	"	1.8' " "
59-W-9571	"	13:48	"	1.8' " "

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Washington, D. C.		2.9'	3.3'
COORDINATE STATION: Bushwood or (Rock Pt)		1.9'	2.2'
SUBORDINATE STATION:			

BALTO. DISTRICT FINAL
WASHINGTON OFFICE REVIEW BY (IV): *R. Glaser* DATE: *4/16/63*

PROOF EDIT BY (IV): DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 4 RECOVERED: 4 IDENTIFIED: 3

NUMBER OF BM(S) SEARCHED FOR (II): None RECOVERED: IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 4*

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): None

REMARKS:

*In addition, 6 previously established stations were searched for.
3 were recovered and identified;
3 were declared lost.

FORM C&GS-181c
(12-61)

T-10918

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

USC&GS "W" camera

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
59-W-9599	10/6/59	11:35	1:10,000	0.1' above MLW
59-W-9600	"	11:36	"	0.1' " "
58-W-626	5/22/58	Not available	"	- - -

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Washington, D. C.		2.9'	3.3'
COORDINATE STATION: Rock Pt		1.9'	2.2'
SUBORDINATE STATION:			

BALTO. DISTRICT FINAL
WASHINGTON OFFICE REVIEW BY (IV):

R. Glaser

DATE: *4/16/63*

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): None

RECOVERED:

IDENTIFIED:

NUMBER OF BM(S) SEARCHED FOR (II): None

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:

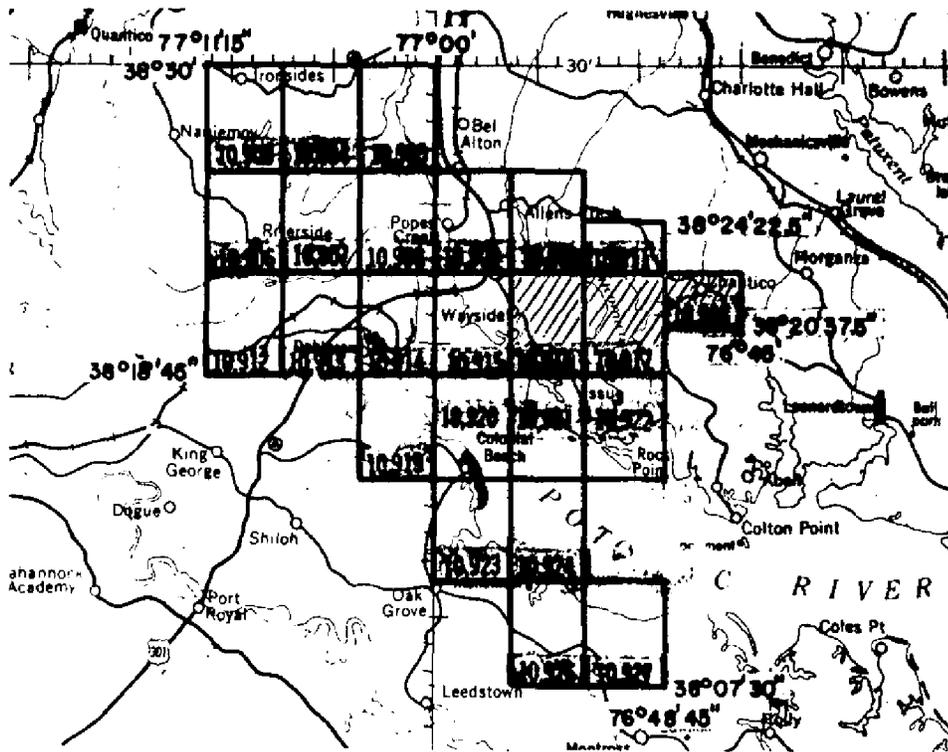
PROJECT PH-5901

Planimetric Mapping Scale 1:10,000

Potomac River Va.-Md.

Maryland Point to Wicomico River

4.



Official Mileage for Cost Accounts

Sheet Number	Area Sq. Mi.	Lin. Mi. Shoreline	Sheet Number	Area Sq. Mi.	Lin. Mi. Shoreline
10903	13	14	10915	6	7
10904	13	9	10916	14	7
10905	11	14	10917	7	16
10906	12	9	10918	7	2
10907	3	9	10919	12	12
10908	4	5	10920	2	4
10909	13	3	10921	5	12
10910	12	11	10922	6	20
10911	7	2	10923	9	17
10912	10	7	10924	2	4
10913	13	9	10926	14	5
10914	10	13	10927	10	3

TOTALS--- Area 215 Sq. Mi. Shoreline 214 Mi.

Summary to Accompany Descriptive Report

T-10916, T-10917 & T-10918

Planimetric maps T-10916, T-10917 and T-10918 are part of Project Ph-5901 which consists of 24 planimetric maps and one shoreline survey. These maps cover an area on the Maryland side of the Potomac River. T-10916 contains the middle portion of Cobb Neck and about one mile of the shoreline of Potomac River just north of, and including the mouth of Cuckold Creek. T-10917 covers the central one-third of the Wicomico River including Chaptico Bay and T-10918 shows the area of Chaptico and Chaptico Creek. This is a graphically compiled project at a scale of 1:10,000 in advance of hydrographic surveys to be made in the area. The maps were covered by 9-lens photography of May 1958 and single-lens "W" photography of May 1958 and October 1959. The manuscripts were controlled by radial plot using Stereoplanigraph bridge points to supplement field identified control. The field operations preceding compilation included complete field inspection, recovery and identification of horizontal control and the establishment and recovery of Recoverable Topographic Stations. The manuscripts are vinylite sheets which were scribed and reproduced on cronaflex film following photogrammetric office review. T-10916 and T-10917 are 3-3/4' in latitude by 3-3/4' in longitude, while T-10918 is 1-7/8' in latitude by 3-3/4' in longitude. The registered copies under T-10916, T-10917 and T-10918 will consist of a cronar film positive and a cronar film negative of each scribed manuscript.

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T 10917 PROJECT NO. Ph-5901 SCALE OF MAP 1:10,000 SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y-COORDINATE LONGITUDE OR X-COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS (BACK)		DATUM CORRECTION		N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	
					FORWARD	(BACK)			FORWARD	(BACK)	FORWARD	(BACK)
BURR, 1908	Md. P. 123	N.A. 1927	186,070.42	839,203.37								
Sub Pt No. 1			185,976.35									
BURR, 1908	Comp.	"	839,174.93									
Sub Pt No. 2		"	186,033.34									
BURR, 1908	"	"	839,221.39									
KEY, 1908	Md. P. 123	"	193,284.17	846,669.91								
Sub Pt A		"	193,172.79									
KEY, 1908	Comp.	"	846,700.49									
Sub Pt B		"	193,350.81									
KEY, 1908	"	"	846,642.65									
Sub Pt No. 1		"	177,981.17									
EEDLING, 1908	Comp.	"	841,007.85									
Sub Pt No. 2		"	177,949.15									
EEDLING, 1908	"	"	840,830.67									
COHOUCK, 1908	Md. P. 123	"	188,888.76									
GUST, 1908	"	"	846,410.00									
Sub Pt (1958)		"	175,741.08									
MILLS, 1942	"	"	842,516.06									
Sub Pt A (1959)	Comp.	"	177,417.86									
MILLS, 1942	"	"	856,488.93									
Sub Pt A (1959)	"	"	177,362.17									
MILLS, 1942		"	856,493.02									

COMPILATION REPORT
T-10916, T-10917 & T-10918

For Field Inspection and Photogrammetric Plot reports covering the area of these surveys, see Descriptive Report T-10921, T-10922.

31. DELINEATION

These manuscripts were delineated by the graphic method.

A power transmission line shown on the Rock Point quadrangle north of, and roughly parallel to Indiantown Road was not field inspected. The photographs indicate the possibility this power line still exists.

Another power line shown on the quadrangle at Woodberry Beach was likewise not indicated by field data.

Field inspection notes concerning shoreline on photo 59-W-9571 suggests the existence of bluffs along the Wicomico River. These bluffs were not sufficiently obvious from office examination to warrant delineation and therefore, Notes for the Hydrographer, (item 49) requests a check for bluffs of importance to navigation.

32. CONTROL

The identification, density and placement of horizontal control was adequate for T-10917.

There was no horizontal control shown on the project layout for T-10916 and T-10918. After the radial plot had been completed, positions were found for two stations in T-10916, VICTORIA, 1934 and BM (MD. GEOD. S.) 1934. The delineation of roads at these stations was adjusted to fit the descriptions. Identification of VICTORIA, 1934 would have improved the accuracy and eliminated much extra work in assembling the radial plot. (See item 22 and 23, Photogrammetric Plot Report.)

33. SUPPLEMENTAL DATA

Quadrangles used for geographic names are listed in item 46.

34. CONTOURS AND DRAINAGE

Contours: Inapplicable.

Drainage: With the exception of drainage in marsh areas which could be seen easily on the photographs, all other drainage was under dense foliage and was very difficult to delineate accurately. Drainage from field inspection and by office interpretation was checked against the quadrangles before being delineated on the manuscript. Some drainage which was not field inspected was projected onto the manuscript from the U.S.G.S. quadrangle of the area.

35. SHORELINE AND ALONGSHORE DETAILS

In order to prevent the exaggeration of marsh areas on the final manuscript, very narrow fringes of marsh fronting, the mean high-water line were not delineated.

The shoreline inspection was adequate.

No low-water line was field inspected and none was delineated.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

T-10916:

One non-monumented topographic station established.

T-10917:

Four non-monumented topographic stations established.

Three Forms 524 herewith submitted for recovered stations.

T-10918:

None.

A list of recoverable topo stations is included in item 49.

39. JUNCTIONS

Junctions have been made and are in agreement between these three surveys. In addition, junctions have been made and are in agreement with the following adjoining surveys:

To the north, T-10910 and T-10911

To the south, T-10921 and T-10922

To the west, T-10915

To the east, no contemporary survey.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. thru 45.

Not needed.

46. COMPARISON WITH EXISTING MAPS

U.S.G.S. Morgantown, Md.-Va. quadrangle, scale 1:24,000, dated 1953.

A.M.S. Rock Point, Md., quadrangle, scale 1:25,000, dated 1949.

Bureau surveys T-8114 and T-8115, scale 1:20,000.

Many alongshore bluffs delineated on T-8115 are not shown on these surveys.

47. COMPARISON WITH NAUTICAL CHARTS

Chart 558, scale 1:40,000, 4th edition, Nov. 16, 1959, corrected to July 2, 1960.

Items to be applied to nautical charts immediately; None.

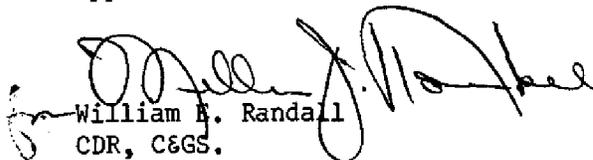
Items to be carried forward: None.

Respectfully submitted
March 17, 1961



R. Glaser
Carto. (Photo.)

Approved and forwarded



William F. Randall
CDR, C&GS.

Baltimore District Officer

Review Report T-10916, T-10917 & T-10918
Planimetric
April 16, 1963

61. GENERAL STATEMENT

See Summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-10916:		
859	1:20,000	1862
1105	"	1868
2600	"	1902
2730	"	1905
8114	"	1942, 1943
T-10917:		
1105	1:20,000	1868
8115	"	1942, 1943
T-10918:		
8115	1:20,000	1942, 1943

T-10916, T-10917 and T-10918 supersede the above prior surveys for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

U.S.G.S. Morgantown, Md.-Va.	1:24,000	1953
A.M.S. Rock Point, Md.	1:25,000	1949

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

H-8703	1:10,000	1961 (Boat sheet)
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The boat sheet covers only the southwest corner of T-10916 which includes a short stretch of the Potomac River, the mouth of Cuckold Creek and Perry Branch.

An area on the manuscript at the mouth of Cuckold Creek labeled "foul with stakes and piling", was delineated from 9-lens photograph No. 57267. The foul area is not verified by the boat sheet.

Contemporary hydrographic surveys covering T-10917, T-10918 and the balance of the shoreline on T-10916 were not available for comparison during final review.

65. COMPARISON WITH NAUTICAL CHARTS

558	1:40,000	5th Ed., November 5, 1962
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T-10916:

There is no verification on the manuscript for two islets which are charted on the north side of the mouth of Cuckold Creek.

Charted bluffs along the Potomac River and along Cuckold Creek are not on the manuscript.

Eight to twelve foot bluffs along the Wicomico River on the manuscript are not shown on the chart.

T-10917:

Numerous bluffs from ten to thirty feet are shown on the manuscript which are not on the chart. These bluffs were field edited in September 1961.

A number of geographic names on the manuscript are not on the chart.

A sizeable tidal pond, just north of Russell Landing on the manuscript, is not on the chart.

T-10918:

Chaptico Creek and the marsh associated with it is not shown on the chart.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

These surveys comply with instructions and meet the National Standards of Map Accuracy.

Reviewed by



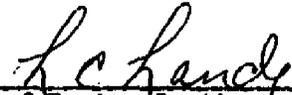
R. Glaser

Approved by

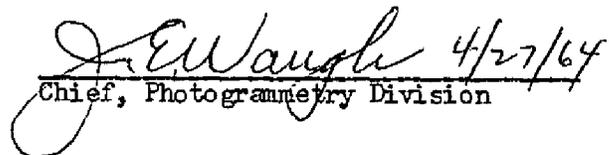


Baltimore District Officer

Approved by



Chief Review Section

 4/27/64

Chief, Photogrammetry Division

48. Geographic Name List

Bankhead Cove	Tennyson Point
Bankhead Point	Tompkinsville
Banks O'Dee	
Barber Point	Wayside
Barbers Quartes	West Hatton Point
Bassfold Creek	Wicomico Beach
Bull Run	Wicomico River
Burroughs Run	Windmill Point
	Woodberry Beach
Camp Reader	
Chaptico	
Chaptico Bay	
Chaptico Creek	
Chaptico Point	
Cobb Neck	
Cuckold Creek	
Cohouck Point	
Dolly Boarmans Creek	
Harris Lot	
Hayden Cove	
Hayden Point	
Lloyd Creek	
Lloyd Drain	
Maddox	
Maddox Creek	
Manahowic Creek	
Mattney Point	
Mills Point	
Mount Victoria	
Nelsons Run	
Perry Branch	
Persimmon Point	
Persimmon Point Creek	
Piccowaxen Creek	
Potomac River	
Russell Landing	
Shiloh	
Stoddard Point	
Swindler Creek	

George W. Bace
Geographic Names Section
12 July 1963

