

# 5813

77-4

Form 504 Rev. June 1941		
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY		
DESCRIPTIVE REPORT		
<i>Air Photographic</i>	Party No. 2	T-5813
<del>Photo Table</del>	Survey No. (Field)	
<del>Hydrographic</del>		
LOCALITY		
State	Maryland	
General locality	Chesapeake Bay - Eastern Shore - Choptank River	
Locality	Tuckahoe Creek - Choptank River	
SINGLE LENS PHOTOS JULY, 1937		
NINE LENS PHOTOS MAR. 12 - JUNE 30, 1940		
CHIEF OF PARTY		
L. W. Swanson		

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Applied to chart 1225

G. H. S. Nov. 30, 1942 (Gene series)

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

CS-215-D

REG. NO.

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. T-5813

REGISTER NO.

State Maryland

General Locality Chesapeake Bay - Eastern Shore

Locality Tuckahoe Creek - Choptank River

Scale 1:10,000 Date of Photographs  
survey March 12, June 30, 1940

Vessel Air Photographic Survey Party No. 2

Chief of party Lieut. L. W. Swanson

Surveyed by Field Inspection - S. Lajoie - Fall, 1941

Inked by Charles C. Tropp (rough draft)

Heights in feet above \_\_\_\_\_ to ground to tops of trees

Contour, Approximate contour, Form line interval \_\_\_\_\_ feet

Instructions dated 3/31/38; 6/1/38; 6/19/38; 8/28/39; 19

Remarks: Map Drawing completed to limits

DATA RECORD T-5813

PHOTOGRAPHS

NUMBER	DATE	TIME	SCALE	(feet above M.L.W.) *STAGE OF TIDES
4844-4848	June 30, 1940	8:40- 8:47	1:10,000	0.9
4857-4858	June 30, 1940	8:51- 8:54	1:10,000	0.9
4859-4861	June 30, 1940	8:55	1:10,000	0.9
4793-4796	March 12, 1940	12:36-12:40	1:10,000	0.8
4801-4802	March 12, 1940	12:46-12:48	1:10,000	0.7
AHT, 10-30 to 10-39	July 2, 1937	Unknown	1:10,000	Unknown
AHY, 36-30 to 36-36	Sept. 10, 1937	Unknown	1:10,000	No Shoreline

\*Tide from predicted tables. Denton, Md., mean range 2.2 feet, spring range 2.5 feet. Reference station Baltimore, Md.

Cameras: U.S. Coast and Geodetic Survey, nine lens  
Focal length 8-1/4 inches  
Single lens camera for AHT and AHY (focal length unknown)  
Negatives of nine lens photographs on file in the  
Washington Office

SUPPLEMENTAL SURVEYS

Graphic Control Sheets.....None  
Hydrographic Surveys.....None  
Field Inspection by.....J. Lajoye.....Fall, 1941  
Name Investigation by.....J. Lajoye.....Fall, 1941

The detail on this map drawing is of the date of the above listed photographs.

GENERAL INFORMATION

	Date
Chief of Party.....L. W. Swanson	
Projection by Washington Office. Ruling Machine.....	March 10, 41
Projection checked by Washington Office.....	March 10, 41
Control plotted by.....L. W. Swanson.....	July 29, 41
Control checked by.....Joe Henningsen.....	July 29, 41
10,000 Radial Plot by.....W.E. Schmidt, J.E. Deal, and W. A. Rasure.....	Aug., 1941
Secondary Control by.....J. E. Deal.....	June, 1941
Hydrographic signals pricked on office photos by.....C. C. Tropp.....	March, 1942
Additional Radial points by.....C. C. Tropp.....	March, 1942
Detail rough draft, interior and shoreline inked by.....C. C. Tropp.....	April, 1942
Descriptive Report by.....C. C. Tropp.....	June 18, 1942
Preliminary review by.....W. E. Schmidt	
Scale.....1:10,000.....	No Scale Factor

Area (land).....26 sq. statute miles  
Shoreline (more than 200 meters from opposite shore) 7.6 statute miles  
Shoreline (less than 200 meters from opposite shore) 7.5 statute miles  
Roads, trails, streams, and ditches.....113 statute miles  
Time required for detailing (shoreline and interior)  
rough draft.....68½ Working days

REFERENCE STATION

Downes, 1934

North American Datum - 1927 (adj.)

Lat. 38° 49' 21.976" 677.7 m  
Long. 75° 52' 41.604" 1003.6 m

Maryland system of plane coordinates X Y

X coordinate: 1,119,594.58 FT.  
Y " 3,229,293.62 FT.

DESCRIPTIVE REPORT  
TO ACCOMPANY  
AIR PHOTOGRAPHIC SURVEY SHEET NO. T5813  
STATE OF MARYLAND  
CHESAPEAKE BAY  
CHOPTANK RIVER AND TUCKAHOE CREEK

Date of this Report

June 18, 1942

INSTRUCTIONS:

This rough draft map drawing is a part of Project HT-215D, the instructions for which are dated May 13, 1938 and supplemental instructions contained in the Director's letters dated March 31, 1938, June 1, 1938, June 19, 1938, and Aug. 28, 1939.

CONTROL:

The control consists of the following stations both of which lie outside of the detail limits of this survey:

U.S. C. & G. Stations

Elliot 1934 (supplemented by R.M. #1)  
Downes 1934 (supplemented by FIS Cedar)

Field inspection stations were established for both of these triangulation stations. They are shown on the map drawing as small blue ink squares.

Radial points from a 1:20,000 scale plot were used for secondary control.

PHOTOGRAPHS:

For photographs used on this map drawing, see "Data Record".

Listed below are the mine lens photographs used and their computed tilt:

4844 - 1° 13'	4857 - 1° 15'	4793 - Slight
4845 - 1° 25'	4858 - 2° 46'	4794 - 3° 05'
4846 - 0° 37'	4859 - 1° 13'	4795 - 0° 53'
4847 - 2° 02'	4860 - 1° 11'	4796 - 1° 04'
4848 - 1° 29'	4861 - 0° 25'	

RADIAL PLOT:

Two special reports have been submitted describing in detail the procedure in laying the radial plots of the map drawing in this area. These reports should be consulted when the map drawing is reviewed. *Special Report; Swanson, L.W., 1941/124 (Library)*

DETAILING:

All buildings along the shoreline are shown. Buildings in the interior are shown except for small out buildings. Where trees obscured the position of houses or other buildings, no attempt was made to show them on this map drawing.

Roads were labeled according to the field inspector's notes; all roads are 6 meters in width. Intersections that could not be clearly detailed as of rough draft are detailed as of smooth draft.

All trails are shown by the dash symbol (-----)

All fences are shown by the symbol (     x     x     )

Ditches are labeled as such and shown by a solid line. All fields unless otherwise indicated by label or symbol are cultivated.

Wooded areas have been outlined and labeled with the exception of small areas where the proper symbol was filled in.

No single lens picture was used in detailing the shoreline.

Drainage was examined under the stereoscope whenever the course of a stream was not evident. Streams that were visible are indicated by solid lines; those that were not distinct were shown as dash lines.

The projector was used frequently in detailing.

All field inspection photographs were used and carefully followed.

Approximate limits of shoal water are shown by a dash line (black acid ink) for use by the hydrographer only.

State and federal highways are labeled; information from Maryland State Highway maps.

SCALE:

The scale of this sheet is 1:10,000. There is no scale factor.

GEOGRAPHIC NAMES:

Geographic names shown on this map drawing are listed on form M-234 in the appendix.

Geographic names were investigated by J. Lajoye in the fall of 1941.

BRIDGE INFORMATION:

There is one bridge over a navigable stream on this map drawing. It is located about 1-1/2 miles above the mouth of Tuckahoe Creek. Data appears on the map drawing.

The "List of Bridges over Navigable Waters of the United States" (revised Jan. 1, 1935, Corps of Engineers U.S. Army) lists on page 526 a bridge of the Swing Type in the vicinity of Lewistown 3 miles above the mouth of Tuckahoe Creek. This bridge does not appear on any of the photographs.

The Tuckahoe bridge shown on this map drawing is a retractable draw type located 1-1/2 miles above the mouth of Tuckahoe Creek.

*Character + width shown on map drawing*

HYDROGRAPHIC SIGNALS:

*shut. LWS.*

A number of objects have been located on this map drawing for use as hydrographic signals. These are shown by black acid ink circles 1.5 mm in diameter and labeled according to the field inspector's notes.

RECOVERABLE TOPOGRAPHIC AND HYDROGRAPHIC STATIONS:

There are nine indicated on the map drawing with a 2.5 mm. black acid ink circle.

Forms 524 are submitted in the appendix.

*Upstream Gable 1942  
Chimney, log cabin  
Peak of Roof, born  
Outer Slack  
Upstream End, born  
Shore peak, born  
Center Gable, brick h.  
Downstream Cor. ldy  
Near Gable, Shingle h.*

LANDMARKS FOR CHARTS:

There is no recommendation for landmarks on this map drawing. It is suggested that these be selected by the hydrographic party.

JUNCTIONS:

This survey joins the following map drawings: on the northwest corner, T-5815 has been partially completed; no junction was made. On the north, T-5816 has been partially completed and junction is in good agreement. On the east, T-5814 has not been completed; no junction was made. On the south, T-5811 has not been completed; no junction was made. On the west, T-5812 has been completed. Junction is very good except for one correction which has been noted on this map drawing.

COMPARISON WITH PREVIOUS CHARTS AND SURVEYS:

Chart 1225 - July, 1935, scale 1:80,000, Tuckahoe bridge is indicated. No other comparison could be made because of scale difference.

There are no other charts or previous surveys for this area.



RECOMMENDATIONS FOR FUTURE SURVEYS:

This map drawing is believed to be complete in all details of importance for charting. No additional surveys should be required.

The probable error of radial points and well-defined objects along the shoreline is not greater than 0.5 mm. The error of other detail of importance on this map drawing is probably not greater than 1.0 mm where the radial points have been determined by three or more photographs.

Respectfully submitted,

Charles C. Tropp

Charles C. Tropp  
Photogrammetric Aid (Field)

Forwarded Approved:

L. W. Swanson

L. W. Swanson  
Chief of Party

*June 24, 1942*  
*Reviewed by Jack L. Rubin*  
*Principal Photogrammetric Aide (Field)*

# GEOGRAPHIC NAMES

Survey No. T-5813

Name on Survey	On Chart No. 1225		On previous survey No.		On U. S. quadrangle Maps		From local information		Md. Geo. Surv. Maps State Road Comm.		P. O. Guide or Map		Rand McNally Atlas		U. S. Light List	
	A	B	C	D	E	F	G	H	K							
✓ Stony Point			X	14, 17												1
✓ Wayman Wharf	X		X	14, 17		X										2
✓ Cowards Point			X	13, 14, 17												3
✓ Griffin	X		X	13, 14, 17	X	X										4
✓ Deep Branch			*	13, 17												5
✓ Tuckahoe Bridge	X		X	13, 14, 15		X										6
✓ Lewistown			X	13, 14	X	X										7
✓ Matthews			X	13, 14	X	X										8
✓ Gilpin Pt.	X		X	9, 11, 14		*										9
✓ Todd Wharf			X	11, 14		X										10
✓ Fowling Creek			X	8, 9, 10, 11		X										11
✓ Choptank River	X		X		X	X										12
✓ Tuckahoe Creek	X				X	X										13
✓ Rolph Landing	X															14
✓ State Highway #457					X											15
✓ State Highway #328					X											16
✓ State Highway No. 309																17
																18
																19
																20
																21
																22
																23
Tuckahoe Neck																24
Beaverdam Branch																25
																26
																27

	Remarks	Decisions
1		
2		388758-59 U.S.G.B
3		"
4		388758-59
5	*Deep Creek	
6	13 " "	388758-59
7		"
8		"
9	*Gilpin	388758-59
10		"
11		"
12		386762
13		388758-59
14		
15		
16		
17	Note: Knott Millpond shown on U.S. Quad. Map does not Exist.	
18	<u>LOCAL INFORMATION</u>	<u>LOCAL KNOWLEDGE</u>
18	8 - Leon Cox, Harmony, Md.	30 years
19	9 - W. D. Biscoe, " "	15 "
19	10 - J. E. Biscoe, " "	15 "
20	11 - R. W. Thomas, " "	60 "
21	13 - C. F. Porter, Greensboro Postmaster	40 "
21	14 - Fred Porter, Tuckahoe Bridge, Md.	20 "
22	15 - Joseph Prehal Jr., Preston, Md.	20 "
23	17 - J. A. Mulliken, Queen Anne, Md.	58 "
24	Large area between Cheptank R. and Tuckahoe Creek.	388758-59
25	off limits of this sheet	
26		
27		

REVIEW REPORT  
Planimetric Map Manuscript T-5813

RADIAL PLOT:

A test by radial cuts was made during review. No weak or inaccurate areas were found.

COMPARISON WITH EXISTING QUADRANGLES:

Denton, Md. U.S.G.S. 1905 & 1927 1/62500

The present survey supersedes the quadrangle, except for contours, for the area common to both maps.

COMPARISON WITH NAUTICAL CHARTS: No. 1225

T-5813 covers an interior area so that little detail of the map is shown on the chart. Tuckahoe Bridge is shown on the chart.

T-5813 was applied to chart 1225 prior to review.

Reviewed by

Under the direction of  
D. Benson

H. Bischoff per TB  
H. Bischoff, 6 Aug. 1943

APPROVED BY:

M. Jones 8/48  
Technical Assistant to the  
Chief, Div. of Photogrammetry

H. E. Edmonston  
Chief, Nautical Charts Branch  
Div. of Charts

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