

5659

Form 504  
Rev. Dec. 1933  
DEPARTMENT OF COMMERCE  
U.S. COAST AND GEODETIC SURVEY  
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Air Photo.

~~Topography~~

~~Hydrography~~

~~XXX~~

Sheet No. T-5659

State Maryland

LOCALITY

Chesapeake Bay

Sassafras River - Knight Island

Photographs taken <sup>APR. 30</sup> May 1937

1939

CHIEF OF PARTY

L.W. Swanson

DEPARTMENT OF COMMERCE  
U.S. COAST AND GEODETIC SURVEY

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. 5659

REGISTER NO. T5659

State Maryland

General locality Chesapeake Bay

Locality Sassafras River - Knight Island

Scale 1:16,000  $\times$  0.965 Date of survey April 30, 1937 ☒, 19

Vessel Air Photographic Survey Party No. 2

Chief of party L.W. Swanson  
Field inspection by J.C. Partington, D.A. Jones,  
Surveyed by and R.A. Gilmore

Inked by W.E. Schmidt.

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated May 13, 1938

Remarks: Scale factor 0.965

~~HURTT~~

Ref. Sta. Hurtt 1934 Lat.  $39^{\circ}21'28.094''$  (866.4m)

Long.  $75^{\circ}56'06.614''$  (158.4m)

$X = 1,101,097.9$  Ft.

$Y = 556,949.0$  Ft.

adjusted ☒

Photographs

Nos.	Date	Time	Scale	Altitude	Stage of tide*
1209	4/30/37 ✓	11:48 ✓	1:10,000x0.965		2.7 Above M.L.W.
1210	"	11:48	"		"
1211	"	11:49	"		"
1212	"	" ✓	"		"
1230	" ✓	12:08 ✓	"		"
1231	"	12:09	"		"
1232	"	12:09 ✓	"		"
1319	" ✓	3:08 ✓	"		1.7 Above M.L.W.
1320	"	3:09	"		1.7 "
1322	"	3:10 ✓	"		1.7 "

\*Tide from predicted tables, Georgetown, Md., mean range 2.3 ft., spring range 2.4 ft.  
 Camera: U.S. Coast and Geodetic Survey nine lens camera.  
 Focal length  $8\frac{1}{4}$  inches. Negatives on file in Washington Office.

Supplemental Surveys

Graphic control surveys:-----None-----

Hydrographic surveys:-----1938---Mikawa---

Field inspection:---J.C. Partington, 1937

D.A. Jones, 1938

R.A. Gilmore, 1939

*H-6369 Sept. 1938*

The details on T-5659 are of the date of the photographs.  
~~except for items which were located by supplemental surveys as discussed follows:~~  
~~in detail on the following pages:~~ 1. Field inspection added no new information  
 2. H-6369 added no new information

General Information

Chief of Party:-----L.W. Swanson-----

Projection by:-----Washington Office--Ruling machine--Nov. 1937-----

Projection checked by:---Washington Office---Nov. 1937-----

Radial points picked by:---Unknown-----

Additional points picked by:---W. E. Schmidt---July-1939-----

Control plotted by:---E.H. Kirsch---Dec.-1937-----

Control checked by:---I.M. Zeskind---Dec.-1937-----

Radial plot by:---L.C. Lande---Dec.-1937-----

Shoreline inked by:---Norfolk Office---1938-----

Shoreline revised by:---W.E. Schmidt---July, 1939-

Detail inked (in part) by:---Norfolk Office---1938---

Detail inked (in part) by:---W.E. Schmidt---July, 1939 (rough draft)

Preliminary review by: J. N. Jones Nov-16, 1939

Smooth draft by:

Statistics

Area (land)-----27.0 square statute miles--

Shoreline (more than 200 m. from opposite shore) 17.6 statute miles-----

Shoreline (creeks) 1.0 statute miles-----

Roads, streets, trails & railroads-----51.2 statute miles-----

Reference Station

Reference station: Hurtt - 1934 Datum:--N.A. 1927

Latitude: 39 21 28.094 (866.4 m.) Adjusted ✓

Longitude: 75 56 06.617 (158.4 m.) Adjusted

Maryland system of plane coordinates: x 1, 101, 097.9 FT.

y 556, 949.0 FT.

*Supplemented by other surveys to:*

Descriptive Report  
To Accompany  
Celluloid Map Drawing Sheet No. T-5659

State Of Maryland  
Chesapeake Bay - Sassafras River - Knight Island

Date of this report ----- August 11, 1939

INSTRUCTIONS:

The topography on this sheet is part of Project HT-215, dated May 13, 1938.

CONTROL:

The following triangulation stations fall within the tracing limits of this sheet:

Hurtt-1934

RADIAL PLOT:

The radial plot for this sheet was done by the Washington Office. *This sheet plotted together with T5658, T5659, and T5660. See Descriptive Report T5658 for details.*

SCALE:

The scale of this sheet is 1:10,000 x 0.965

DETAILS:

The area within the tracing limits of this sheet was well covered by the photographs.

All radials are in green that are located from only two photographs or were considered uncertain.

Sections of this sheet that required too much adjustment were mapped with the aid of the projector.

Due to additional field inspection at a later date, minor changes in the shoreline were made.

An attempt was made with the aid of the stereoscope to show all buildings on this sheet except small sheds and outbuildings.

Due to the lack of clarity of some of the photographs, it was impossible to outline the buildings in some localities. No attempt was made to approximate the outline of any building.

As the field inspection notes were incomplete in some places regarding the location and height of bluffs along the shore, some of this information was obtained from an old survey (T-2381) made by planetable. Tops of bluffs on map drawing are slightly exaggerated in some cases and are not shown in their true relation to the shoreline. In some cases the tops of bluffs could not be distinguished due to heavily wooded areas.

Except for control, all other information shown on this sheet was taken from field inspection notes and photographs.

The streams as shown on this sheet are for the most part drainage streams in wooded ravines and flow only during the rainy seasons. Their location in some places is somewhat doubtful but is assumed to follow the main axis of the ravine.

All radial points that were in doubt were rechecked.

Points in blue squares on this sheet represent the center of photo. (shown in red squares on the photographs).

Descriptive Report ( continued)

DETAIL (Continued):

The following general notes were adhered to in carrying out the detail of this sheet ( rough draft):

- (a) All roads, regardless of the type, have been shown by centerline only and the type and width labeled.
- (b) All buildings shown except small sheds and small outbuildings.
- (c) All wooded areas, swamps, cultivation etc. were outlined and labeled.
- (d) All docks and wharves shown.
- (e) Scattered trees , hedges and other detail too small to outline, were fully inked in.
- (f) Fencelines, ditches and trails were shown with solid line and labeled.
- (g) All curves at the intersection of roads, were inked in, that did not show the detail plainly by centerline intersections.
- (h) All other detail was labeled.
- (i) All geographic names and any other information which ordinarily go on the overlay sheet, was inked on the map drawing.

Such roads, fencelines etc. as were detailed by the Norfolk Office, were rechecked and corrected if it was found necessary to do so. This sheet was originally started as a smooth sheet by the Norfolk Office.

Due to large differences in relief and scale in some parts of the area bounded by the limits of this sheet, it was necessary to plot additional radial points.

COMPARISON WITH PREVIOUS SURVEY T-2381:

Such roads, fences, shoreline etc. common to each are in good agreement. Latitude 39 22 and Longitude 75 56 - small lake just east of shellcross wharf now connects with Sassafraz River.

JUNCTION:

The following junctions were made:

On the east by T-5660- the agreement is good

On the south by T-5693 and T-5694- these sheets have not been detailed.

On the west by T-5658- where there was a disagreement. Both sheets were checked and corrections made accordingly. They are now in agreement.

On the north by T-5654 and T-5655- disagreed. Sheet 5659 was rechecked along this junction and found to be correct. Recommend that sheets T-5654 and T-5655 be rechecked along latitude 39 25 and between longitudes 75 54 and 75 59. Sheets T-5654 and T-5655 are now in the Washington Office which made it impossible to make the necessary corrections in this office.

Descriptive Report( Continued).

NAMES:

Geographic names are listed on form M-234 in the appendix. It is the understanding of this office that the hydrographic party on the launch Mikawa submitted geographic names of this area from local residents. This office does not have such a report.

RECOVERABLE TOPOGRAPHIC STATIONS:

There are no recoverable topographic stations on this sheet.

LANDMARKS:

There are no landmarks on this sheet.

REMARKS:

Referring to the Director's letter of April 11, 1939, attention is called to the fact that during the process of inking the sheet was kept clean with the use of ordinary household ammonia. Craftint black celluloid ink was used (No. 150 L. H.). Upon completion of this sheet it was found that the ink chipped off.

This sheet is believed to be complete in all detail of importance for charting and no additional surveys are required.

The probable error is not greater than 5 meters for all radial points and well defined objects along the water front and well controlled area. The error of other detail of importance on this sheet is probably not greater than 10 meters, where our radial points were determined from 3 or more photographs. *Because of lack of contrast for the radial plot for T5658, T5659, and T5660 as explained in the descriptive for report T5658 where line details are considered as within 0 to 10 meters of correct position and interior details as within 0 to 15 meters of correct position.*

Respectfully submitted,

*Page 19/12/39* W.E. Schmidt,  
Photographic Aid. ( Field)

*W.E. Schmidt*

Forwarded Approved

L.W. Swanson, Chief of Party

*James D. Jones* *J. W. K. K.*

AUGUST 16, 1939  
Date

## Remarks

## Decisions

1		393760	
2		393759	
3	Known locally <del>only</del> as Hall Cr.	393759	✓
4		"	
5	" " = " Woodland Cr.	394759	
6		393759	U.S.G.B. ✓
7		"	
8	" " - " Shellcross Cr.	393759	
9		"	U.S.G.B.
10		"	
11		393759	
12		"	
13	Shift name to peninsula w. of narrow neck, S. side Back Cr, near 22.5'/56.6'	393759	
14		"	
15		393759	
16		394759	
17		393760	
18	x-1 Mr. N. L. Riggins, Georgetown, Md.	393759	
19	x-2 Mr. Walter Woodall, Georgetown, Md.	"	
20	x-2 Mr. Paul Pennington, "	393759	
21	x-2 Mr. John E. Ross, "		
22			
23	W. Prong Back Cr.	393759	+
24	E. Prong Back Cr.	"	+
25	W. side sheet - lat 20' to 21'	"	+
26	N.W. corner of sheet	394760	+
27		393759	+

## GEOGRAPHIC NAMES

Survey No.

T-5659

GEOGRAPHIC NAMES										
Survey No. T-5659										
Name on Survey	<div>On Chart No. 1226</div> <div>On previous survey No. T-2381</div> <div>On U. S. quadrang. Maps</div> <div>From local information</div> <div>On local Maps</div> <div>P. O. Guide or Map</div> <div>Rand McNally Atl.</div> <div>U. S. Light List</div>									
	A	B	C	D	E	F	G	H	K	
<u>Sassafras River</u>	x	x	x	x-2						1
<u>Back Creek</u>	x	x	x	x-2						2
<u>Hall Creek</u>	x	's		Hall Cr.						3
<u>Old Field Pt.</u>	x		x	x-2						4
<u>Earleville</u>	x		x	x-2						4
<u>Mill Creek</u> <u>Woodland Creek</u>	x		x	Woodland Cr.						5
<u>Island Creek</u>	x	x	x	x-2						6
<u>Marsh Pt.</u>	x		x	x-2						7
<u>Freeman Creek</u>	x	's	x	Shellcross Cr.						8
<u>Shrewsbury Neck</u>	x	x	x	x-2						9
<u>Locust Grove</u>	x		x	Sign Local						10
<u>Cassidy Wharf</u>		's	x	x-1						11
<u>Shellcross Wharf</u>			x	x-1						12
<u>Knight Island</u>			x	x-2						13
<u>Raisins Wharf</u>			x	x-2						14
<u>Daffodil Island</u>				x-2						15
<u>Sassafras Neck</u>	x		x							16
<u>Grove Neck</u>	x		x	x-2						17
<u>Cox Creek</u>				x-2 Local source of information unknown						18
<u>Foreman Creek</u>				x-2 Local source of information unknown						19
<u>KENTMORE PARK</u>				x1, x2						20
* From field inspection by J. C. Partington										21
(Same source as x-2)										22
<u>McGill Creek</u>				verified by J.C.						23
<u>Dowdel Creek</u>										24
<u>Turner Creek</u>			x							25
<u>Pond Creek</u>			x							26
<u>Shellcross Neck</u>										27

Names underlined in red approved  
by L. H. H. on 8-25-41

M 234

Names underlined in red approved

by L. Heek on 8-25-41

## REVIEW OF AIR PHOTOGRAPHIC SURVEY T-5659 (1:10,000)

There are no graphic control surveys in this area.

### Contemporary Hydrographic Surveys

H-6369 (1938) (1:10,000)

The shore line and signals and other details in black on the lower half of H-6369 were printed from a reproduction of T-5659. A number of the stations located on T-5659 for control of the hydrography and printed on H-6369 have been subsequently erased from T-5659 by the field compilation party. However, the descriptions and identification of these stations are shown on the field photographs.

### Former Topographic Surveys

T-279 (1846) 1:20,000; T-2367 (1898) 1:10,000;  
T-2381 (1900) 1:20,000.

T-5659 is complete and adequate to supersede the portions of the older surveys which it covers except for contours on T-2381.

### Comparison with Chart 1226

T-56<sup>59</sup>~~60~~ shows minor corrections to shore line details and numerous additions and corrections to interior details.

### Description Form 524

There are no described topographic stations 524 on T-5659.

### General

T-5659 has been compiled as a rough drawing and will be completely redrafted in the Philadelphia office. The descriptive report is complete and the drafting and legend are adequate for redrafting.

In common with a large part of this project, the definition of the photographs is only fair and the spacing of the photographs is too great for the type of terrain and present methods of compiling.

Small details, particularly buildings, are not always clear and for that reason some have probably been omitted. This fact will be covered by a note on the published maps.

Reviewed in office by - L. C. Lande, September 8, 1939

Inspected by - B. G. Jones, September 12, 1939.

Examined and approved:

*Robert W. King*

Chief, Surveys Section

*K. T. Adams*

Chief, Section of Topography

*J. S. Borden*

Chief, Division of Charts

*G. F. Hilde*

Chief, Division of Coastal  
Surveys