

5656

Form 504 Rev. Dec. 1933	
DEPARTMENT OF COMMERCE U.S. COAST AND GEODETIC SURVEY R. S. PATTON, Director	
DESCRIPTIVE REPORT	
Air Photo. Topographic Hydrographic	Sheet No. 5656
State	Maryland
LOCALITY	
Chesapeake Bay	
Headwaters of Bohemia River	
Great Bohemia Creek	
Photographs taken Apr. 30 to May 2 1937	
193	
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 for-
warded to the Office.

Field No. 5656

REGISTER NO. 5656

T5656

State MARYLAND

General locality CHESAPEAKE BAY (Northern Part)

Locality HEADWATERS OF BOHEMIA RIVER Great Bohemia Creek.
and vicinity

Scale 1:10,000 x 0.965 Date of survey Apr 30
May 1, 1937

Vessel Air Photographic Survey Party No. 2

Chief of party L. W. Swanson

Field Inspection: E. L. Jones & D. Jones

Surveyed by Compilation: W. E. Schmidt

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

STATISTICS
AIR PHOTOGRAPHIC SURVEY SHEET NO. T - 5656

State of Maryland

Chesapeake Bay

Headwaters of Bohemia River

Details on T 5656 are of the date of the photographs. Field inspection for identification of control and Hydrographic stations was made in July 1937 and additional field inspection for interpretation of the photographs was made in June 1938.

Air Photographs

1184, 1185, 1186, 1187,
1188, 1198 & 1151, 1199.

Date of Photographs - ~~Summer 1937~~ *Apr 30 May 2*

Time - ~~Unknown~~ *See below*

Scale Factor----- J.C. Partington ---- 1:10,000 x 0.965

Projection ----- Ruling Machine----- Washington Office

Projection Checked----- Washington Office

Control Plotted By----- L. W. Swanson----- Dec. 9, 1937

Control Checked By ----- J. C. Partington----- Dec. 10, 1937

Radial Line Plot By ----- S. B. Grenel--- From To Feb. 16, 1938

Radial points pricked By--- Unknown

Additional Points By---- W. E. Schmidt

Shoreline Inked By----- W. E. Schmidt ----- April 1, 1939 to April 7, 1939

Detail Inked By----- W. E. Schmidt ----- April 8, 1939 to May 10, 1939

Area (Land) ----- 23 square statute miles-----

Shoreline (more than 200 meters from opposite shore)- 1.7 statute miles

Shoreline (less than 200 meters from opposite shore)- 9.2 statute miles

Trails ----- 12.0 statute miles

Datum-----North American, 1927

Reference Station ----- Cayots, 1934-----

Latitude 39° 29' 11.026" 340.0 meters

Longitude 75° 50' 54.724" 1307.8 meters

Adjusted

Preliminary Review----- L.W. Swanson----- May 15, 1939

$$\begin{cases} x = 1,125,003.9 \\ y = 604,081.2 \end{cases}$$

Photos	Date	Time
1151	4-30-37	10:56
1184-88	"	11:27-11:30
1198-99	"	11:37-11:38

Surveys to June 1938

The plot and the detailing of shoreline on this survey were accomplished by the temporary party of S. B. Grenell at Norfolk in the winter of 1938-1939. The Norfolk party was disbanded prior to the completion of the work.

T-5656 was returned to this office in the spring of 1939 where the plot was checked and the sheet reproduced for printing hydrographic sheet H-6561.

T-5656 was then sent to the Baltimore office for completion. The Baltimore party made minor changes in the shoreline after additional field inspection *in June 1938*

DESCRIPTIVE REPORT
To Accompany
Celluloid Map Drawing Sheet No. 5656

①

STATE OF MARYLAND
Chesapeake Bay - Headwaters of the Bohemia River

Date of this report: May 12, 1939

GENERAL INFORMATION:

The field inspection for this area was made during July, 1937 and June, 1938, by E. L. Jones and D. Jones. The photographs were taken by the U.S.C. & G.S. nine lens Aerial Camera on May 1, 1937.

CONTROL:

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

CAYOTS, 1934
MANLOVE, 1934

RADIAL PLOT:

By: ^S R. B. Grenel
No other information has been furnished this party.

(a) Scale:

The photographs vary in scale factor. The scale of this sheet is; 1:10,363 or 1:10,000 with a scale factor of 0.965

DETAIL:

Due to the lack of photographs, it was not possible to get a sufficient number of radial points on the sheet in the area bounded by Lat. 39° 28' to 39° 31' and Long. 75° 47' to 75° 48' in order to fully complete the detail. All radials shown in green are located from only two photographs. *This area is west East Limit of project*

Other sections of this sheet that required too much adjustment, were mapped with the aid of the projector.

The shoreline was originally plotted by A.L. Wardell and checked by the Washington Office as being correct. Due to additional field inspection at a later date, the detail of the shoreline has been changed. *See review at book.*

An attempt was made with the aid of the stereoscope to show all buildings on this sheet, but due to the lack of clarity of some of the photographs it was not possible to detail the outline of the houses in some localities. *Note placed in title of printed sheet.*

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

②

COMPARISON WITH PREVIOUS SURVEY: T - 2668

There is only a very small area common to these two surveys. Such roads or fences common to each are in good agreement.

JUNCTION:

This sheet joins the following Map Drawings:

T- 5655 on the west
T- 5653 on the north (not in yet)
T- 5660 on the south " " "

NAMES:

Geographic names on this sheet are listed on form M-234 in the appendix.

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 by the use of ordinary household ammonia. Upon completion of this sheet it was found that the ink chipped off. Craftint black celluloid ink No. 150 L.H. was used.

The probable error is not greater than 5 meters for all radial points and well defined objects along the water front and well controlled areas. 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.

Respectfully submitted,

Walter E. Schmidt,
Photogrammetric Aid (Field)

Forwarded Approved:

L. W. Swanson,
Chief of Party

L. W. Swanson
(Date)

REVIEW OF AIR PHOTO COMPILATION NO. T5656

Chief of Party: L.W. SWANSON

Compiled by: W.E. Schmidt.

Project: H. T. 215

Instructions dated: 5-13-38

1. The charts of this area have been examined and topographic information necessary to bring the charts up to date is shown on this compilation. (Par. 16a, b, c, d, e, f, g and h; 24; and 64)

Very little of the area shown on this sheet is charted. Therefor a comparison could notbe made.

~~XXXXX~~ Change in position, or non-existence of wharfs, lights, and other topographic detail of particular importance to navigation which affect the chart, is discussed in the descriptive report. (Par. 26; and 66 g,n)

3. Ground surveys by plane table, sextant, or theodolite have been used to supplement the photographic plot where necessary to obtain complete information, and all such surveys are discussed in the descriptive report. (Par. 65; and 66 d,e)

No ground surveys were made.

~~XXXXX~~ Blue-prints and maps from other sources which were transmitted by the field party contain sufficient control for their application to the charts. (Par. 28)

5. Differences between this compilation and contemporary plane table and hydrographic surveys have been examined and rectified in the field before forwarding the compilations to the office and are discussed in the descriptive report.

There are no contemporary plane table surveys, this party has not had access of the hydrographic surveys.

6. The control and adjustment of the photo plot are discussed in the descriptive report. Unusual or large adjustments are discussed in detail and limits of the area affected are stated. (Par. 12b; 24; and 66 c,h,i)

7. High water line on marshy ~~and mangrove~~ coast is clear and adequate for chart compilation. (Par. 16a, 45, and 44)

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Refer also to the pamphlet "Notes on the Compilation of Planimetric Line Maps from Five Lens Air Photographs."

~~XXXXXX~~ The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41)

~~XXXXXX~~ Discoverable objects have been located and described on Form 524 in accordance with circular 30, 1933, circular letter of March 3, 1933, and circular 31, 1934. (Par. 29, 30, and 57)

10. A list of landmarks was furnished on Form 567 and instructions in the Director's letter of July 16, 1934, Landmarks for Charts, complied with. (Par. 16d, e; and 60)

No land marks.

~~XXXXXX~~ All bridges shown on the compilation are accompanied by a note stating whether fixed or draw, clearance, and width of draw if a draw bridge. Additional information of importance to navigation is given in the descriptive report. (Par. 16c)

12. Geographic names are shown on the overlay tracing. The accepted local usage of new names has been determined and they are listed in the report, together with a general statement as to source of information and a specific statement when advisable. Complete discussion of place names differing from the charts and from the U. S. G. S. Quadrangles is given in the descriptive report, together with reasons for recommendations made. (Par. 64, and ~~66k~~)

13. The geographic datum of the compilation is North American and the reference station is correctly noted. 1927

14. Junctions with adjoining compilations have been examined and are in agreement. (Par. 66j) This sheet is in good agreement with 5655 on the west. The adjoining sheets to the north and south (T5653 and T5660) are not completed and comparison could not be made. There is no adjoining sheet to the east.

15. The drafting is satisfactory and particular attention has been given the following:

1. Standard symbols authorized by the Board of Surveys and Maps have been used throughout ~~except as noted in the report.~~
2. The degrees and minutes of Latitude and Longitude are correctly marked.

3. All station points are exactly marked by fine black dots.
4. Closely spaced lines are drawn sharp and clear for printing.
5. Topographic symbols for similar features are of uniform weight.
6. All drawing has been retouched where partially rubbed off.
7. Buildings are drawn with clear straight lines and square corners where such is the case on the ground.

(Par. ~~37~~, 35, 36, ~~37~~, ~~38~~, 39, 40, 41, ~~42~~, 43, 44, 45, 46, ~~48~~)

16. No additional surveying is recommended at this time.

17. Remarks: A considerable area in the eastern part of the map drawing was detailed from radials located by only two photographs. Certain areas in the eastern limits of this sheet were not completed because the photographs were not clear.

It should be noted that the shoreline was changed in numerous places after this sheet was in the Washington Office and the boat sheet and smooth hydrographic sheet made. These changes were made because of additional field inspection. It is felt that examined and approved; the shoreline as shown on the completed sheet is the correct representation.

May 16, 1939.

[Signature]
Chief of Party

19. Remarks after review in office:

Remarks

Decisions

1		394758
2		"
3		"
4		"
5		"
6		
7		
8		
9		
10		
11		
12		
13		
14	Geographic Names from the following sources.	
15	xA - Mr. L. T. Boulden, Post Office Employee, Elkton, Md.	
16	Mr. J. G. Steele, Chesapeake City, Md.	
17	xB - Mr. Andrew Leybold, Earleville, Md. R.D. No.1	
18	xC - Mr. Charles W. Cooling, Chesapeake City, Md.	
19	Mr. T. M. Hutchison, Elkton, Md., R.D. No.1	
20	xD - Mr. Harry H. Austin, Earleville, Md., R.D. No.1	
21	Mr. E. M. Wood, North East, Md. R.F.D.	
22		
23		
24		
25		
26		
27		

GEOGRAPHIC NAMES

Survey No.

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K
CAYOTS	x			sign xA					1
<u>Great Bohemia Creek</u>	x		x	xB					2
<u>Little Bohemia Creek</u>	x		x	xB					3
<u>St. Augustine</u>			x	sign xA					4
<u>Middle Neck</u>			x	xD xC xB					5
									6
									7
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Names underlined in this list
by L. Heck on 8/15/39

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-5656

There are no contemporary plane table surveys in this area.

Previous Topographic Surveys

T-5656 supersedes for charting purposes the sections of the following surveys which it covers:

T-186 (1855) 1:20,000 - except for contours
T-2412 (1899) 1:10,000
T-2668 (1904) 1:20,000 - except for contours

Contemporary Hydrographic Surveys

H-6361 (1938) 1:10,000.

Projection, shoreline, and signals for H-6361 were printed from a reproduction of T-5656.

Changes made in the shoreline on T-5656 since the boat sheets and smooth sheets were printed (see page 1 of descriptive report T-5656) have been applied to H-6361, except where they were too small to be important.

Comparison with Chart 572.

T-5656 was applied to chart 572 prior to this review. No changes have been made in T-5656 since its application to the chart.

Recoverable Topographic Stations.

None.

General.

T-5656 was completely redrawn in the Philadelphia Office.

A narrow strip of detail was removed from the eastern edge of the sheet because of probable error due to compilation from the outer edge of the photographs.

Marsh shoreline in the Bohemia Creeks was revised somewhat to make the map easier to read. The marsh is very indefinite in these creeks. The changes were made from a study of field notes on photo 1186.

Reviewed in the office by H. D. Reed.

Inspected by - B. G. Jones, July 29, 1940.

Examined and approved:


T. B. Reed,
Chief, Section of Field Records.


Chief, Section of Field Work.


Chief, Division of Charts.


Chief, Division of H. & T.