

5707

5707

Form 504
Rev. April 1933

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Air Photographic Survey
Topographic
Hydrographic

Sheet No. T - 5707

State Maryland

LOCALITY
Chesapeake Bay

Wye East River

Wye Mills and Vicinity

May 1937 date of photo
July 1937

1944

CHIEF OF PARTY
Lieut. L. W. Swanson

Alphina & ch. 1225 - Rep. 1940. J.H.J.

T-5707 superseeds Chart 1225 - no substantial changes made + nor needed to be added to Chart - J.S.P.

T-5707 confronted with T-224, 1847-1, 1/20,000
" superseeds "

" confronted with T-2524, 1900-01, 1/20,000
" superseeds " , except for contour lines -

No changes made, because not substantial -

Checked with Boat Sheet 6604:

change at $38^{\circ} 55'$ lat. & $76^{\circ} 06'$ long - added low water line

" " $38^{\circ} 53'$ lat. & $76^{\circ} 07'$ long - small portion of shoreline put more inland; before it was covering two some dings on boat sheet - found correction right after checked on photos -

Zaira S.

July 31, 1943 -

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. T - 5707

REGISTER NO.

State Maryland

General locality Chesapeake Bay

Locality Wye East River ---- Wye Mills

Scale 1:10,000 Date of Photographs May 1, 1937
May 2, 1937 ~~1938~~
July 8, 1937

~~1938~~ Air Photographic party No. 2.

Chief of party Lieut. L. W. Swanson

Surveyed by Field Inspection by: D.A. Jones & J.N. Jones, Fall 1939.

Inked by William A. Rasura (rough draft).

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated May 13, 1938., 19____

Remarks: _____

DATA RECORD T-5707PHOTOGRAPHS

Numbers	Date	Time	Scale	Altitude	Stage of Tides*
1668-1671	7-8-37	10:44-11:08	1:10,000		0.3 ft. above M.L.W.
1549-1552	5-2-37	9:07- 9:22	1:10,000		1.4 " " "
1355-1357	5-1-37	9:14- 9:45	1:10,000		1.3 " " "

* Tide from prediction tables for St. Michaels, Md. Mean range 1.3 ft., spring range 1.5 ft.

Camera:----- U. S. Coast and Geodetic Survey nine lens camera.
Focal length 8 $\frac{1}{2}$ inches.
Negatives on file in Washington office.

SINGLE LENS PHOTOGRAPHS AAA Enlarged from 1:20,000 to 1:10,000.

AHW-57-70---AHW-57-73----- 10-31-37.
AHY-28-61---AHY-28-64----- 8-20-37.
AHY- 8- 9---AHY- 8-12----- 6-25-37.
AHW- 8-13---AHW- 8-14----- 6-25-37.

SUPPLEMENTAL SURVEYS

Graphic controlNone.
Hydrographic SurveysNone.
Field Inspection D.A. Jones & J.N. Jones....Fall, 1939.
Name Investigation..... J.N. Jones...March, 1940.
The details on T - 5707 are of the date of the photographs.

GENERAL INFORMATION

Chief of Party L. W. Swanson.
Projection by Washington Office, Rule Machine .. July 18, 1940.
Projection checked by ... Washington Office..... July 18, 1940.
Control Plotted by L. W. Swanson..... July 19, 1940.
Control checked by J. Aleck July 24, 1940.
Radial plot made by .. J. Steinberg & I. M. Zeskind .. July 1940.
Radial points pricked by .. J. Aleck July 1940.
Add. points by.. J. Rihn, & C. Supp... (Shoreline) .. August, 1940.
W. A. Rasure (Detail) May 1940.
Shoreline inked by... J. Rihn & C. Supp August 1940.
Detail (rough draft) ... inked by .. W. A. Rasure.... May 24, 1940.
Scale no scale factor 1:10,000.

STATISTICS

Area land 25.2 sq. Stat. miles.
Shoreline (more than 200 meters from shore, opposite).. 7.1 Stat. miles
Shoreline (less than 200 meters from shore, opposite).. 7.4 Stat. miles.
Roads, streams & trails 116.9 Stat. miles.
Time required for detailing..... 33 days.

REFERENCE STATION

Wye, 1934

Latitude:..... 38° - 56' - 24.839" ^{039'} Datum North America 1927. 741.3... (1108.9).
Longitude:..... 76° - 04' - 43.893" 1037.1... (387.9).

Maryland system of plane coordinates:---X Y

X coordinate: 1,062,004.68
Y coordinate: 404,349.43

* Transferred from Ind. Geog. & Coordinate Tables

DESCRIPTIVE REPORT
to accompany
AIR PHOTOGRAPHIC SURVEY SHEET No. T - 5707
STATE OF MARYLAND
CHESAPEAKE BAY -- WYE EAST RIVER -- WYE NARROWS

Date of this report..... May 26, 1941.

INSTRUCTIONS:

This rough draft map drawing is a part of project No. HT--215 dated May 13, 1938 and supplemental instructions contained in the Director's letters dated 3-31-38, 6-1-38, 6-19-39 and 8-28-39.

CONTROL:

The control consists of stations shown both on and off the sheet by the triangulation symbol. The following is a list of the control and its sources;

On the sheet;-----

U. S. C. & G. S.

Wye, --- 1934
Dodd, -- 1934
(F.I.S. cedar Dodd).

Off the sheet;-----

U. S. C. & G. S.

Lockhart, 1934.
R.M.# 2 Longwoods, 1934.
Saulsbury, 1934.

M. S. F. S.

Nub, 1909.
Granary, 1909.
Whale, 1909.

*M.S.F.S.
Added by office research.
Philip , 1909
Bush , 1909
Bee , 1909
Oysters , 1902*

RADIAL PLOT:

Refer to descriptive report Sheet No. T - 5710.

DETAILING:

Shoreline and buildings were put on by nine lens photos. Single lens photos were used as much as possible, where they could be used, for the rest of the interior. Nine lens photos did not completely cover the East side of the sheet and single lens photos had to be depended on to a large extent.

All buildings which could be plainly distinguished were shown on the map drawing.

Roads etc. were detailed according to the field inspector's notes shown on the field inspection sheets.

Dog ears were placed on West side of sheet for picture center's 1356 and 1355, on the South side of the sheet for pictures 1667 and 1548, also for control points, Lockhart, 1934, Nub, 1909, Granary, 1909, Whale, 1909, R. M.# 2 Longwoods, 1934, and on the East side of the sheet, locating 30,000 photos 4745 and 4746, also control station Saulsbury, 1934.

DETAILING CONTINUED:

This aided me in laying a flight of single lens photos on the extreme East edge of the sheet.

The drainage of this sheet was examined under the stereoscope where there was any doubt to its position.

During the detailing of this sheet a symbol was used to show evergreen trees (pine and cedar) which was found to be in error. Having been notified of this error the proper symbol was used. It will therefore be noticed that two different symbols appear on this sheet for the same kind of trees. No cypress trees appear in the area covered by this sheet.

All fences are shown with the letter f.

Intersections most common have been shown.

The use of the projector was very helpful in detailing this sheet.

The wooded area is shown in scant detail on this sheet as it was not considered necessary to completely symbolize the whole area.

RECOVERABLE HYDROGRAPHIC SIGNALS:

None put on this sheet.

RECOVERABLE TOPOGRAPHIC STATIONS:

No recoverable topographic stations appear on this sheet.

LANDMARKS FOR CHARTS:

No land marks appear on this sheet.

GEOGRAPHIC NAMES:

Geographic names shown on this sheet are listed on form M234 in the appendix. Field inspection of names by Lieut. J. N. Jones.

JUNCTIONS:

There is a slight difference in Junction with Sheet T-5704. Change Sheet T-5704 to correspond with sheet T-5707 at Lat. $38^{\circ}-59'$, Long. $76^{\circ}-04'$ to $76^{\circ}-06'$, as shown on Sheet T-5707. Junction with Sheets T-5703, T-5706 and T-5710 are all in good agreement. Sheets T-5815 and T-5812 have not been completed so a junction is not possible in any form at the present time.

COMPARISON WITH PREVIOUS CHARTS AND SURVEYS:

T-2524:----- 1900-01 $1/20000$

Shore line compares exceptionally well except in the upper reaches of East River, close to Wye Mills. Lat. $38^{\circ}-56.6'$, Long. $76^{\circ}-05.2'$ to $76^{\circ}-05.8'$ where there is a difference in the course of this stream.

Roads, land lines and interior detail common to both surveys are in generally good agreement.

CHART 1225:-----

Shore line shown on this chart seems to be in common agreement with Sheet T-5707 considering the difference in scale. There are no roads or interior detail on this chart to compare with Sheet T-5707.

T-224 1897 $1/20000$

RECOMMENDATION FOR FUTURE SURVEYS:----

The detail on this sheet is believed to be complete in all importance for charting and no additional surveys should be made.

The probable error of radial points and well defined objects along the shoreline is not greater than 5 meters. The error of other detail of importance on this sheet is probably not greater than 10 meters where our radial points have been determined by three or more photos.

Respectfully submitted,

William A. Rasure.

William A. Rasure
Photogrammetric Aid (Field)

Forward Approved *L. W. Swanson*
Lieut. L. W. Swanson, Chief of Party,

Date: *June 20, 1941*

GEOGRAPHIC NAMES

Survey No.

T-5707

Name on Survey

On Chart
No.

On previous survey
No.

On U. S. quadrangle
Maps

From local
information

From Planning Board
On local Maps

P. O. Guide or Map

Rand McNally Atlas

U. S. Light List

As on
ch. 1225

At U.S.F.S.
location
of Carmichael

Mill Skipxox Creek

Name on Survey	A	B	C	D	E	F	G	H	K
CARMICHAEL	✓		✓	1, 2, 5	✓				1
WYE EAST RIVER	✓		✓	1, 2	✓				2
WYE MILLS	✓		✓	1, 2	✓				3
WYE MILLS (Sta)	✓		✓	1, 5					4
BOWSER CHAPEL	??			1, 2, 5					5
WYE NECK	✓		✓	1, 2					6
Wye Narrows	✓								7
Mill Skipxox Creek	✓								8
Baltimore & Eastern R.R. (-Penna. R.R.)									9
1. John Dodd		Carmichael							10
2. Capt. J. S. Wright		Chester							11
3. Harry Covington		Tilghman							12
4. (Name lost)		Bryantown							13
5. L. R. Hart		Wye Mills							14
									15
State Highway No. 404									16
U. S. Highway No. 213									17
Wye Island									18
Grange Hall Road									19
Old Wye Church									20
									21
									22
									23
									24
									25
									26
									27

Remarks.

Decisions

1	Location correct on Chart 1225; ^{no longer a Post office.}	389761
2		388761 U.S.G.B.
3		389760
4	Station torn down; No longer used for Passenger traffic; Name not used locally. At location of "Cormichael" as shown on G.S. maps.	389760
5	Colored settlement; name not used much but an old established name.	389761
6		
7		389761
8	Apply Mill Cr. as on USGS "St. Michaels" as a northerly branch of Skipton Cr.	388760
9	Skipton Cr. is a tributary from East of Wye East R.	
10		
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27		

Names underlined in red approved
by L. Heck on 9/16/41

REVIEW OF AIR PHOTO COMPILATION NO. T-5707

Chief of Party: L. W. SWANSON

SHORELINE by: J. R. HAN, C. SUPP

Compiled by: W. A. RASURE

Project: H. T. 215

Instructions dated: MAY 13, 1938
Aug 29, 1939

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, g and 1; ~~28~~; and 64)
2. 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. ~~28~~; and 66 #, 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.
- ~~4~~. 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)
NONE.
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.
NO CONTEMPORARY 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; ~~44~~; and 66 c, ~~4~~, 1)
SEE DESCRIPTIVE REPORT 5710
- ~~7~~. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 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."

8. 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)

9. Recoverable 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)

Form 524 is NOT SUBMITTED.

10. A list of landmarks was furnished on Form 567 and instructions in the Director's letter of July 18, 1934, Landmarks for Charts, complied with. (Par. 16d, e; and 60)

NO LANDMARKS ARE RECOMMENDED
FOR CHARTING.

11. 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)
- Note { This bridge is attended as per note on Map Drawing, but the draw is in poor condition and the attendant informed the field inspector that it was necessary for some one on the vessel going thru the draw to help open it. He can no longer do it unaided.
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 N.A. 1927 and the reference station is correctly noted.

14. Junctions with adjoining compilations have been examined and are in agreement. (Par. 66j)

NOTE: T-5704 should be changed as recommended in the body of this report.

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. 34, 35, 36, ~~37~~, ~~38~~, ~~39~~, 40, 41, 42, 43, ~~44~~, 45, 46, ~~48~~)

16. No additional surveying is recommended at this time.

17. Remarks:

- 18 ✓ Examined and approved;

Chief of Party

June 20, 1941

19. Remarks after review in office:

~~Reviewed~~ in office by:

Examained and approved:

Chief, Section of Field Records

Chief, Section of Field Work

Chief, Division of Charts

Chief, Division of Hydrography
and Topography.

Division of Photogrammetry

Review of Planimetric Map T-5707

T-5707 was compiled in the Baltimore Office in 1941 but the Washington Office processing was delayed because of the war mapping work of the Bureau.

Meanwhile, T-5707 was used as a planimetric base for preparation of 7½-minute quadrangles T-8267 and T-8268. These quadrangles were prepared by using the planimetric base as a planetable sheet and adding contours and any necessary corrections and additions to the planimetry. The quadrangles were completed between 1942 and 1944.

The horizontal accuracy test of the quadrangles in this area showed the planimetric maps to be quite accurate, that is, geographic positions of well-defined points apparently are within 1 millimeter, or less than 1 millimeter, of correct geographic position.

T-5707 has been compared with the subsequent quadrangles T-8267 and T-8268, but has not been corrected to include all additional details shown on the quadrangles such as boundaries and additional buildings.

Field Inspection and Detailing.

These were adequate with the exception that many stream lines were re-examined under the stereoscope and corrected during the office review.

Comparison with Previous Surveys.

T-5707 supersedes the following older surveys:

T-224	1:20,000	1847
T-2524	1:20,000	1900

Comparison with Contemporary Hydrographic Surveys.

T-5707 was compared with the boat sheet H-6604 and minor corrections were made to the shoreline on T-5707 to agree with the boat sheet.

Comparison with Nautical Charts.

T-5707 was applied to chart 1225 in 1940. No changes were made during the review which affect chart 1225.

The quadrangles T-8267 and T-8268 show later information than T-5707, particularly as regards interior details.

This report prepared by B. G. Jones, from reviewer's notes, May 1947.

Reviewed under the direction of D. H. Benson in July 1943.

APPROVED BY:

B. G. Jones 5/8/47
Technical Assistant to the
Chief, Div. of Photogrammetry

J. E. Huntington
Chief, Nautical Chart Branch
Division of Charts

K. T. Adams
Chief, Div. of Photogrammetry

C. H. Green
Chief, Div. of Coastal Surveys