

5703

No cards

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

DESCRIPTIVE REPORT

Air Photo.

~~EXCLUDED~~

~~EXCLUDED~~

Sheet No. T-5703

State Maryland

LOCALITY

Chesapeake Bay (NORTHERN
PART)

302

Applied to Reconstruction of Chart 548 - Aug 7, 1941 - JFWalby
" " Chart 1225 - Sep. 1940 - JFW
" " " 549 May 9, 1942 - JFW.

Note: Celloid of T 5703 shows topography between
Lat $39^{\circ}03'$ and $04'$ which will eventually be transferred
to T 5701. This area has been applied to drawing of Chart
549 and reconstruction of Chart 548 - JFW. 5/12/42

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-5703

REGISTER NO. T5703

State Maryland

General locality Chesapeake Bay (NORTHERN PART)

Locality Chester River- Queenstown ^{AND VICINITY.} ~~to Tilghman Neck~~

Scale 1:10,000x0.955 Date of survey May 1, 1937
July 8, 1937, 19

Vessel Air Photographic Survey Party No.2

Chief of party L.W. Swanson

Surveyed by Field inspection by W.C. Russell and D.A. Jones

Inked by W. E. Schmidt- (Rough Draft)

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 0.955

Reference Station: Piney, 1938

Latitude: 39° 02' 44.543" (1373.6 meters)

Longitude: 76° 11' 03.979" (95.7 meters) (Unadjusted)

X coordinate: 1,031,631.1 Ft.

Y coordinate: 442,556.4 Ft.

DESCRIPTIVE REPORT
to accompany
AIR PHOTOGRAPHIC SURVEY SHEET NO.T-5703
STATE OF MARYLAND
CHESAPEAKE BAY-QUEENSTOWN-TILGHMAN NECK

Date of this report-----October 16, 1939

INSTRUCTIONS:

The topography on this sheet is part of Project HT-215 the instructions for which are dated May 13, 1938.

CONTROL:

The control consists of twelve stations shown on this sheet by the triangulation symbol. The following is a list of the control and its source:

U.S. Coast and Geodetic Survey Triangulation

- ~~Spencer, 1933 (N.A.1927 adj.)~~
- ~~Piney, 1938 (unadjusted)~~
- ~~Bush, 1938 (unadjusted)~~
- ~~Bogle, 1938 (unadjusted)~~
- ~~Butler, 1938 (unadjusted)~~
- ~~Moffett, 1938 (unadjusted)~~
- ~~Soout, 1938 (unadjusted)~~
- ~~Brown, 1932-38 (unadjusted)~~
- ~~Gray, 1932-38 (unadjusted)~~
- ~~Black W.T. Westerly - Pioneer Pt. Farms-1938 (unadjusted)~~
- ~~Queenstown W.T.- 1938 (unadjusted)~~
- ~~Lt. Outer Bn. Queenstown Channel-1938 (unadjusted)~~

RADIAL PLOT:

The radial plot for this sheet was done by this party in Baltimore, Md., May, 1939, along with sheets Nos. 5692, 5695, 5698 and 5701 to the north. Dummy sheets were made of the map drawings and joined together by matching projections. The templates were then layed down and secured together by scotch tape. The map drawings were then placed over the templates and oriented by projection lines and control. The intersection of the radial lines on the templates were then pricked on the map drawings.

For this plot radial points were spaced roughly about four inches apart on the photographs. They were used to supplement the control stations in plotting the large number of additional points necessary for the detailing. This plot was the first one done by this party where the idea of obtaining fewer well chosen radial points was carried out.

The control on the above mentioned five sheets was considered sufficient to control the plot.

It was necessary in many cases, when field inspecting, to locate Field Inspection Stations, since the triangulation stations were either under ground, in plowed fields or that the station was difficult to locate on the photographs. The field inspection stations in every case were either reference marks or natural objects tied into the control station by distance and angle from some other control station on the plot. They were noted on the plot in small blue squares.

There were considerable differences in the range of the scale factor. It was decided that 1:10,000 x 0.955 would be the closest to the average. The results of the scale plot will be found in report for sheet No. 5692.

SCALE:

The scale of this sheet is 1:10,000 x 0.955

DETAILING:

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 due to slim cuts.

Sections of this sheet, that required too much adjustment due to scale differences, were mapped with the aid of the projector.

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.

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. *shown by broken lines where position is approximate.*

Additional radial points that were pricked outside the tracing limits of this sheet were transferred to the adjoining sheets.

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 those mentioned above.
- (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, was fully inked in.
- (f) Ditches and trails were shown with solid line and labeled.
- (g) Fencelines shown ~~-----x-----x-----~~
- (h) All curves at the intersection of roads, were inked in, that did not show the detail plainly by centerline intersections.
- (i) All other detail was labeled.
- (j) All geographic names and any other information which ordinarily go on the overlay sheet, was inked on the map drawing.

On the photograph No. 1359 the masks did not make good junction with one another. Cuts from this photograph made poor intersection with cuts from other surrounding photographs. Detailing was confined to each separate mask of photograph No. 1359

Black Bn. Lt. on piling (green Lt.) rear range-Lat. 38 59.8 Long. 76 09.9 (approximate) could not be definitely located from three or more photographs. This beacon to be located by the Hydrographic Party.

Note- Steel Draw Bridge- Eastern Neck Island Narrows

Lat. 39 03.3 Long. 76 13.3 (approximate) Unattended.

COMPARISON WITH PREVIOUS SURVEYS: (Locations approximate)

(a) Chart No. 548- As nearly as could be ascertained, the shoreline agrees with that which is shown on Chart No. 548 except Cockey I. Lat. 39 00.5 Long. 76 13.2 This island has apparently disappeared. Due to the large difference in scale, no accurate comparison could be made.

(b) Chart No. 1226- As nearly as could be ascertained, the shoreline agrees with that which is shown on Chart No. 1226. Due to the large difference in scale no accurate comparison could be made.

(c) Chart No. 1225- The shoreline agrees with that which is shown on Chart No. 1225 except the two following islands:

Cockey I. Lat. 39 00.5 Long. 76 13.2 This island has apparently disappeared.

Bogle I. Lat. 39 01.8 Long. 76 12.3 This island has apparently disappeared.

Due to the large difference in scale, no accurate comparison could be made.

(d) Topographic Survey No. T- 2242-(1896)- Bogles Wharf

Lat. 39 01.9 Long. 76 12.4 has been removed.

Bogles Island-Lat. 39 01.8 Long. 76 12.3 This island has apparently disappeared.

Eastern Neck I. Lat. 39 00 Long. 76 12.0- The shoreline along this island that is made up of marsh land is slowly receding. Hail Pt. Lat. 39 00.7

Long. 76 11.9 The southeastern end of this island has receded about 200 meters.

Bogles Cove- Lat. 39 02.2 Long. 76 12.8 - South : shoreline disagrees from 10 to 50 meters with T-2242. This difference is shown as grass in water on rough draft sheet. Photograph No. 1405 which is approximately at H.W. shows according to field inspection that this difference is grass in water. Photograph No. 1467 shows this area as marsh. This photograph was taken at approximately L.W. This is the general condition along the majority of the shoreline of Eastern Neck Island as referred to marshy area. Such roads, fences and other inland features common to each are in good agreement.

(e) Topographic Survey No. T-2246-(1896)-Comparison of this topographic survey was used in conjunction with T-2242. Cockey I. Lat. 39 00.5 Long. 76 13.2 This island has apparently disappeared.

(f)T-2291- (1897)-Such roads, fences, shoreline etc. common to each are in good agreement.

JUNCTION:

This sheet joins the following Map Drawings;

T-5701 to the north
T-5704 to the east
T-5705 to the south
T-5706 to the south
T-5707 to the south

Detailing of the above Map Drawings have not been completed.

RECOVERABLE HYDROGRAPHIC AND TOPOGRAPHIC STATIONS:

These stations are indicated by the proper symbol on the rough draft sheet No.T-5703

NAMES:

Geographic names shown on this sheet are listed on Form M 234 in the appendix.

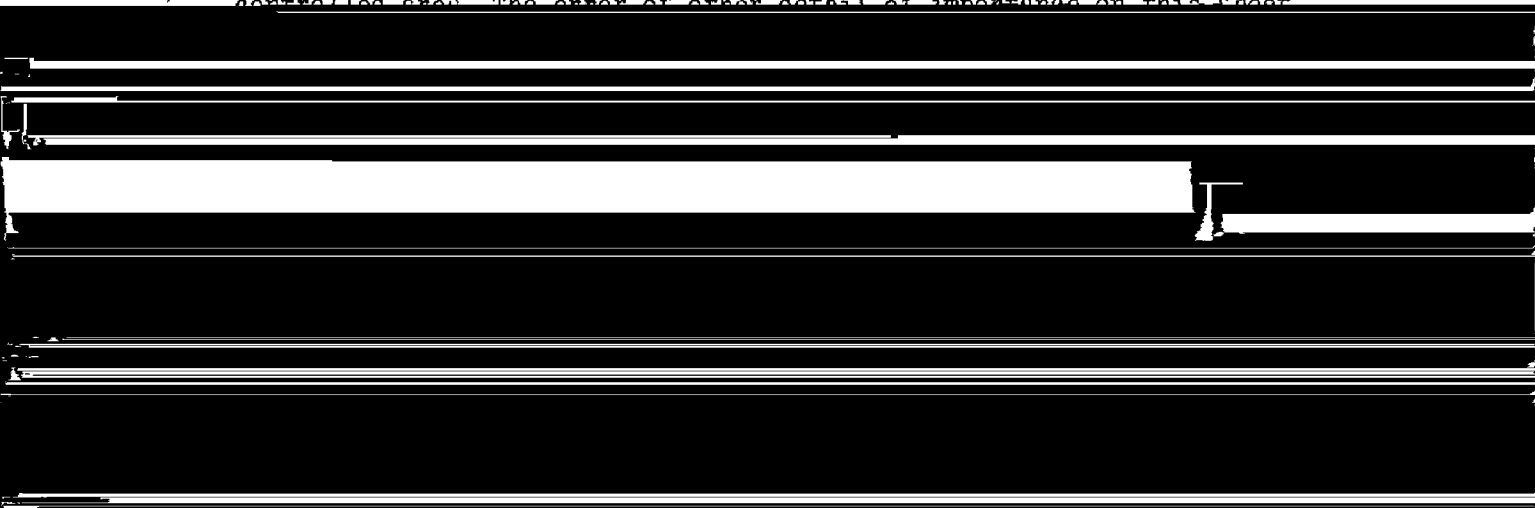
LANDMARKS:

Landmarks for this sheet are listed on Form 567 in the appendix.

REMARKS:

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.

GEOGRAPHIC NAMES

Survey No. T-5703

GEOGRAPHIC NAMES		Survey No. T-5703										
Name on Survey		Chart 528	On Chart No. 1226-Ex. 1	On previous survey No. T-2291	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Atlas Kent & Puce 1877	Rand McNally Atlas 1877 & G. S. Co.	U. S. Light List	Agnd McNally Map
		A	B	C	D	E	F	G	H	K		
Gordon Pt.	✓	✓	✓	✓	✓	✓						1
Tilghman Neck	✓	✓		✓	✓	✓		✓				2
Piney Pt.	✓	✓	✓	✓	✓	✓		✓				3
Piney Cove	✓	✓	✓		✓							4
Butler Cove	✓	✓	✓	✓	✓	✓						5
Earle Cove	✓	✓	✓		✓							6
Break Pt.	✓	T-1225	✓	✓	✓	✓		✓				7
Tilghman Creek	✓	T-1225	✓	✓	✓	✓		✓				8
Carpenter I.	✓	T-1225	✓	✓	✓	✓		+				9
Abbott Cove	✓		✓	✓	✓	✓						10
Blakeford Pt.	✓	✓	✓	✓	✓	✓		✓				11
Queenstown Creek	✓	✓	✓	✓	✓	✓		✓				12
Ditchers Cove	✓		✓		✓							13
Salthouse Cove	✓		⊕		✓							14
Queenstown	✓	✓		✓	✓	✓	✓			✓		15
Little Queenstown Cr.	✓		✓		✓	✓						16
Coursey Pt.	✓	★	✓	x	✓	✓		✓				17
Bluebeards Bluff	✓	✓	✓		✓							18
Eastern Neck	✓	✓		✓	✓	✓		✓				19
Wilson Pt.	✓	✓		✓	✓			✓				20
Paul I. (does not show on Map Drawing.)	✓		See Remarks									21
Rush I.	✓			✓	✓							22
Long Cove	✓			✓	✓	✓						23
Short Cove	✓				✓							24
The Cedars	✓				✓							25
Wilson's Pond	✓				✓							26
Chester River	✓	✓	✓	✓								27

M 234

②

Remarks

Decisions

1	Shawn T-5701	390761
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9	+ called "Carpenters I."	"
10		"
11		389761
12		"

③

GEOGRAPHIC NAMES

Survey No. T-5703

Name on Survey	Chart 528	On Chart No. 1226	On previous survey No. T-2291	On U. S. Quadrangle Maps	From local information	On local Maps 1900-1905	P. O. Guide or Map	U. S. Light List	
Frying Pan I.	✓			⊕	✓				1
Eastern Neck I.	✓	✓		✓	✓		✓	✓	2
Eastern Neck I. Narrows				✓	*				3
Frying Pan Cove Boxes Cove	✓		x	✓		+			4
Boxes Pt.	✓	✓	✓	✓	✓	✓			5
Bells Bar Pt.	✓	✓	x		*				6
Bogles Cove	✓		✓		✓				7
Overton	✓	✓	✓		✓	See Remarks			8
Durdin Creek	✓	T-1225	✓	✓	✓	✓			9
Bogle I. (does not show on Map Drawing.)	✓	T-1225	See Remarks						10
Ship Yard Creek	✓	★	x	✓	✓	+			11
Hail Pt.	✓	T-1225	✓	✓	✓	✓			12
Hail Creek	✓		✓	✓	✓	✓			13
Cedar Pt.	✓	T-1225	✓	✓	✓	✓			14
Cockay I. (does not show on Map Drawing.)	✓	T-1225	✓	⊗	✓	+			15
Narrows Pt.	✓		✓	✓	✓				16
Panhandle Pt.	✓	T-1225	✓	✓	✓				17
Baybush Pt.	✓	T-1225	✓	✓	✓				18
Cabin Cove	✓			✓					19
Wickes Beach	✓	T-1225		✓					20
Calf Pasture Cove	✓	✓	✓		✓				21
Tubby Cove	✓	⊙	x		*				22
Church Creek	✓	✓		✓	✓	✓			23
Corsica Neck	✓	✓	✓	✓	✓				24
Grove Creek	✓	✓	✓	✓	✓	✓			25
Wright Neck	✓		✓	✓	✓				26
Reed Creek	✓	✓	⊖	✓	✓	✓			27
Ring Neck	✓								M 234

(4)

	Remarks	Decisions
1	<i>Shown T-5701</i> Bare at L.W. (Photo.) * Reported non-existent	390762 <u>Fryingpan I.</u>
2		"
3	* "The Narrows" <i>shown T-5701</i>	" USGB decision: 390762 <u>Eastern Neck Narrows</u>
4	+ "Frying Pan Cove" also on x <i>shown T-5701</i>	" U.S.G.B 2 word
5		"
6	* "Belts Bar Pt." Also on x	" <u>Belts Bar Pt.</u>
7		"
8	Nothing much there except oyster shacks (seasonal)	"
9		"
10	Does not exist	omit
11	* } "Shipyard Cr." + "Ship Cove"	390762 : one word
12		390761 : add name
13		390762 : add Hail
14		390762
15	+ * Does not exist according to F.T. Robinson (local) Cockkeys I.	omit
16		"
17		"
18	2 Points with this name ^{one} <i>shown T-5701</i>	"

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

BE CHARTED } **STRIKE OUT ONE**

Baltimore, Md.

October 18, 1993

LANDMARKS FOR CHARTS

recommend that the following objects which have ~~(been)~~ been inspected from seaward to determine their value as landmarks, be listed on ~~(charts)~~ the charts indicated.

Chief of Party.

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." The data should be derived for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

REVIEW OF AIR PHOTO COMPILATION NO. T. 5703

Chief of Party: L. W. Swanson

Compiled by: Walter E. Schmidt

Project: H.T.215

Instructions dated: 5/3/38

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, ~~g~~ and i; 26; 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. 26; and 66 g, h)
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 by this party.
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. ~~XXX~~ 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, either topographic or hydrographic.
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, ~~XXX~~)
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."

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:

This is a rough draft sheet in accordance with the Directors dated August 28, 1939.

18. Examined and approved; October 21, 1939.


Chief of Party

19. Remarks after review in office:

DIVISION OF CHARTS

SURVEYS SECTION

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-5703

Graphic Control Surveys

There are no G.C. surveys in the area covered by T-5703 in the office at the date of this review (11-21-39).

Previous Topographic Surveys

Comparison of T-5703 with the previous topographic surveys listed below shows good general agreement considering the time which has passed since these surveys were made.

There have been numerous changes in interior detail and some changes in shore line especially in the marsh areas. Several small marshy islands which are shown on these surveys are no longer in existence. T-5703 is complete and adequate to supersede the portions of these surveys which it covers except as noted.

For comparisons made by the field party see pages 3 and 4 of the descriptive report for T-5703.

T-200 - 1:20,000 - 1846
T-201 - 1:20,000 - 1846
T-2240 - 1:10,000 - 1896
T-2242 - 1:10,000 - 1896
T-2246 - 1:10,000 - 1896
T-2291 - 1:20,000 - 1897 (except for contours)

Contemporary Hydrographic Surveys

H-5295 - 1:10,000 - 1932

Covers only small area south of Eastern Neck I. on T-5703. No discrepancies.

New hydrographic surveys over most of this area will probably be made in 1940.

Comparison with Charts 1225 (39-6/27), 1226 (39-9/8),
548 (39-4/21), 549 (39-8/10).

Comparison of T-5703 with the areas on the above listed charts which it covers shows numerous cultural changes and also some changes in shoreline.

T-5703 (Air Photo) - 2

Landmarks in this area are listed in Letter 656 (1939). Aids to navigation in this area, except those located by triangulation, have not been shown on T-5703.

For comparisons made by the field party, see Page 3 of the descriptive report for T-5703.

Recoverable Topographic Stations

There are no Form 524 descriptions for recoverable topographic stations included with T-5703.

General

T-5703 has been compiled as a rough drawing and will be smooth drafted in the Philadelphia office. The compilation of details and the descriptive report are complete and the rough drawing shows adequate notes and symbols for redrafting.


In the vicinity of Hail Point, southeast end of Eastern Neck Island, the delineation of several sections of marsh have been changed by substituting a light line for the indefinite marsh symbol shown by the compiler. These areas are no doubt indefinite at very high states of the tide. The change in symbol was necessary to make the map drawing clear and readily interpreted.


Reviewed in office by - H. D. Reed, Jr., November 21, 1939


Inspected by - B. G. Jones

Examined and approved:


Chief, Surveys Section


Chief, Section of Topography


Chief, Division of Charts


Chief, Division of Coastal
Surveys