811

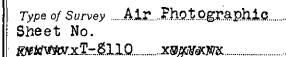
概器認行宣

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT



-- LOCALITY

State Maryland General locality Chesapeake Bay

Locality Taylors Island

N3822.5-W7615/7.5

194 2

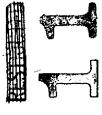
CHIEF OF PARTY Lieut. Comdr. F. L. Gallen Lieut. Comdr. Kenneth G. Crosby

LIBRARY & ARCHIVES

DATE October 4, 1943

B-1870-1 (1)







DATA RECORD

T- 8110

Quadrangle (II): Taylors Island

Project No. (II): CS-278-C

Field Office: Salisbury, Maryland Chief of Party: F. L. Gallen

Compilation Office: Tampa, Fla. Chief of Party: K. G. Crosby

Instructions dated (II III): Mar. 4, Mar. 27, Aug. 13, 1942. Copy filed in Descriptive Report No. T- (VI)

Completed survey received in office: 9/29/42

Reported to Nautical Chart Section: 19/30/42

Reviewed: 9x21/1942 Applied to chart No.

Date.

Redrafting Completed: 3/5/43

Registered: 7/2/46

Published: 1943

Compilation Scale: 1:20,000

Published Scale: /:3/,680

Scale Factor (III): Unity

Geographic Datum (III): N.A. 1927 Datum Plane (III): Mean Sea Level

Reference Station (III): MOORE 1910

Lat.: 38-29-44.061 (1358.6)

Long.: 76-16-54.731 (1326.5)

Adjusted Unadjusted

State Plane Coordinates (VI):

Tobe added Later

x = 1,005,536.00

y = 241,979.40

Military Grid Zone (VI) A

RESTAUGE AS

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
8824	4/14/42	4:03 P.M.	1:20,000	1.15
8825	4/14/42	4;05 P.M.	11	1.10
8826	4/14/42	4:07 P.M.	# '	.1.10
8827	4/14/42	4:09 P.M.	tt	1.10
8828	4/14/42	4:11 P.M.	ŧŧ	1.10
89 3 9	5/15/42	2:54	tt	1.00

Tide from (III): Barren Island, Chesapeake Bay, Md.

Mean Range: 1.4 Spring Range: 1.6

Camera: (Kind or source) C & G. S. 9 lens

Field Inspection by: H. Cravat, T. A. Zary date: May, June

July 1942.

Field Edit by: L. G. Chambers date: Oct. 1942

Date of Mean High-Water Line Location (III): 4/14/42 and 5/15/42

Projection and Grids ruled by (III) Wash. Office date:

" " checked by: Washington Office date:

Control plotted by: F.H.E. and C.H.W. date: July, Sept. 1942

Control checked by: F.H.E. date: Aug. 1942

Radial Plot by: F.H.E., C.A.J.P. and C.H.W. date: July 1942

Detailed by: F.H.E. date: Aug. Sept. 1942

Reviewed in compilation office by: J.H.S.B. & E.L.M. date: Sept. 1942

Elevations on Field Edit Sheet checked by: Salisbury Office date: Oct. 1942

HESTAUSIAN

STATISTICS (III)

Land Area (Sq. Statute Miles): 25.3

Shoreline (More than 200 meters to opposite shore): 37.9

Shoreline (Less than 200 meters to opposite shore): 14.0

Number of Recoverable Topographic Stations established: 9

Number of Temporary Hydrographic Stations located by radial plot:

Leveling (to control contours) - miles: 22

Roman numerals indicate whether the item is to be entered by, (II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:

DESCRIPTIVE REPORT TO ACCOMPANY SHEET NO. T-8110



GENERAL

This sheet was compiled in accordance with "Instructions for Defense Mapping Project CS-278", dated March 4, 1942.

The general locality of the area covered by this quadrangle is Maryland, Chesapeake Bay, in the vicinity of Taylors Island.

The terrain is mostly flat and consists of marsh, woodland and cultivated areas.

All large and permanent buildings have been shown on the survey sheet.

Roads have been shown by a centerline and should be smooth drafted 30 feet in width.

CONTROL

Six triangulation stations established by this bureau were used as control for this sheet. They are as follows:

NAME OF STATION	<u>YEAR</u>	ESTABLISHED BY
Loft	1934	J. Bowie, Jr.
Mills	1930	J. Bowie, Jr.
Torrey	1910	C. C. Yates
Hoop 2	1934	J. Bowie, Jr.
Whitewash	1910	C. C. Yates
Moore	1910	C. C. Yates

MAIN RADIAL PLOT

A continuous radial plot was laid on August 13 and 14, 1942 to locate radial points, hydrographic and topographic stations, bench marks and photographic centers. The plot extended over the area covered by quadrangles 9, 10, 11, 23, 24, 25 and 37, (Sheets T-8108, 8109, 8110, 8119, 8117 and 8136)

The usual practice of laying the main radial plot was followed. This consists of plotting and checking the control on the survey sheets and then transferring these points to base grid sheets by matching individual grid squares. The amount of adjustment in each grid square was negligible. The grid sheets were taped to the plotting table and allowed to ramain for twenty-four hours before any templates were laid. Prior to laying the templates the base grid sheets were examined for movement and where such movement had occurred the grid sheets were given a final adjustment and all matched grid lines were in excellent agreement.

The plot consisted of twenty-four templates. Templates Nos. 8817 and 8822 showed 14 triangulation stations. Template No. 8825 showed 11 triangulation stations. Templates Nos. 8821, 8823, 8830 showed 10 triangulation stations. Templates Nos. 8818, 8820, 8832, 8833, 9057 and 9058 showed 9 triangulation stations. Template number 8839 showed 8 triangulation stations. The remaining templates (six) showed from 2 to 6 triangulation stations.

The templates which were most rigidly fixed by triangulation control were laid first. The templates having the least control were laid by rigidly holding what triangulation was available while at the same time holding well established points as determined by radial intersections of the previous more rigidly controlled templates. Agreement along the flight lines as well as intersections of radial lines to the adjacent photograph centers was excellent throughout.

No excessive tilt was encountered in any of the templates. Template No. 8831 was omitted because one of the chambers was apparently incorrect. Templates Nos. 8815 and 8833 were omitted because they were superfluous, ample excellent intersections already having been obtained by the surrounding templates.

This radial plot was laid by one Senior Engineering Aid, assisted by two photogrammetric Aids. The time consumed in laying this plot amounted to 28 man hours.

All of the intersections were transferred from the radial plot to the survey sheets by again matching the grid squares to those of the base grid sheets. The majority of the points were located by common intersections of 4 to 6 radial lines. About 15 percent of the points were located by common intersections of three radial lines only. One percent of the points were located by two radial lines. Further investigation of these last named points is to be made by the individual detailers. No points were picked in triangles of error. Where such triangles of error occurred, the radial lines were transferred on to the survey sheets so that these points may be further investigated by the individual detailers. Triangles of error occurred in less than 0.5% of all points transferred.

It is believed that the excellent agreement of all of the templates along the flight lines, the ample and rigid control by triangulation stations, and the numerous common intersections of radial lines indicate that the positions of the picked points are not more than 0.25 m.m. from the correct location.

Various colored inks were used on the mounted office prints and on the survey sheets to designate triangulation, traverse and topographic stations. etc. The following key is furnished for this information:

NON-FLOATING AIDS

Non-floating aids appearing on this sheet have been listed on Form 567, which has been made a part of this report. These non-floating aids were plotted from sextant fixes.

INTERPRETATION OF PHOTOGRAPHS

The photographs were clear enough for interpretation of detail on this sheet.

FIELD INSPECTION

The field inspection was made by H. Cravat and T. A. Zary during the months of May, June and July, 1942. The field classification of vegetation was sufficient for detailing. There was no classification of roads, also churches, post offices, cemeteries were not designated on the Field Photographs.

The legend used by the field inspection party and the draftsman has been made a part of this report.

DETAILING

Sheet T-8110 was detailed in accordance with current instructions for this project.

The scale of all the photographs, with the exception of No. 8826, is very good. Radial points were added whenever the control was considered insufficient for accurate detailing. Symbols have been used freely; but, small areas were smooth drafted in order to save time and to improve accuracy of the sheet.

ZUNCTIONS

Sheet T-8110 joins sheet T-8109 on the east and Sheet T-8117 on the south. All junctions are in excellent agreement. The northern limits of this sheet is the northern limit of Project CS-278, here a junction is made with a previous compilation. The junction is satisfactory.

GEOGRAPHIC NAMES

Charts of this area previously compiled by the U.S.Coast & Geodetic Survey were used as a reference for geographic names.

LANDMARKS

There are no prominent landmarks on sheet T-8110:

Respectfully submitted.

Frank H. Elrod

Photogrammetric Aid

Forwarded by:

Kenneth G. Crosby, Chief of Party



Field Edit Report Quadrangle No. T- 8110 Project CS-278-C F. L. Gallen, Chief of Party

46. The quadrangle was field edited by a two man party in charge of L. G. Chambers. The two lights at the north edge of the sheet were checked with planetable cuts.

Additions have been shown in black ink, deletions with green ink and boundaries with purple ink.

- 47. The compilation is complete.
- 48. There is no horizontal accuracy test on this quadrangle. See the report for quadrangle T-8108 for nearest horizontal test. There is also a test in quadrangle T-8242. There is no vertical accuracy test since the highest ground elevation on the quadrangle is 6.2 feet.
- 5. The same methods were used as described in the report for quadrangle T-8104.
- 18. Geographic names for this quadrangle will be found in the geographic names report for project 278-C North.

Submitted by

L. G. Chambers,

Senior Photogrammetric Aid

Approved:

F. L. Gallen,

Chief of Party

RESTRICTED

Geographic Names List For T-8110

```
Ant Bar
  Boggs Gut R (Mackins Grove) USGB decision
 Buzzard Island Creek
 Cators Cove
                  - Cattail
 Cattle Island
 Chapel Cove Codes Point
 Davis Creek
 Dunnock Island
 Dunnock Island Creek
 Dunnock Slough
 Goose Dam
 Hog Marsh Creek
 Holland Point
 Hooper Neck
 Jacks Creek
 James Island - delate
 Long Marshes
 Long Point
-Lower Keene Broad
 Meekins Neck
 Oyster Cove
 Parsons Creek
 Parsons Creek Neck
Piney Neck
Piney Neck Cove
Piney Neck Marsh
Piney Swamp
Poverty Point
Punch Island Creek
Robinson Cove
Robinson Neck
Saint John Creek Scallop Point
Scallop Point Gut
Slaughter Creek
Slaughter Creek Broads
Slaughter Creek Narrows
Smithville
Tar Bay
Taylors Island ( The Town)
Taylors Island ( The Island)
The Big Broads
The Marshes
VTravers Cova (Hooper Cove R) USFB decision
Upper Keene Broad
Willings Creek
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DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

LANGMARKS NFORKSHARES

T-8110

STRIKE OUT ONE TO BE CHARTED TO ABLE OF LAKE SEDA

PERMANENT AIDS TO NAVICATION SALISDURY, Marylens

October 28 , 1942

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

The positions given have been checked after listing.

GENERAL Che Sapeake Bay. Md.			POSITION					TRA	FNA
	LA.	LATITUDE	LONG	LONGITUDE		METHOD	DATE	08E CH 8E CH	CHARTS
NAME AND DESCRIPTION	0	D. M. METERS	0	D. P. METERS	- DATUM			OHSNI	
Slaughter Creek Inner Light	88 80	34	76 16	854	N.A. 1927	Sextant	1942	М	1225
Slaughter Creek Outer Light	8 8	394	76 13	793	#	Ē	1942	K	1225
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The frame about the		1 400 tr		257				╢.	

landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted charts of the area and not by individual field survey sheets. Information under each column heading should be given.

U. S. GOVERNMENT PRINTING OFFICE 16-27869-1

Rev. March 1935

U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE

TO BE CHARTED STRIKE OUT ONE

LANDMARKS FOR CHARTS

Sheet T-8110

Tampa, Fla.

9-23-42 193

be charted on (deleted from) the charts indicated. I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks,

Lieut. Comdr.

The positions given have been checked after listing.

1938

GENERAL SLAUGHTER CREEK OUTER LIGHT SLAUGHTER CREEK INNER LIGHT NAME AND DESCRIPTION Chesapeake Bay, Md. 38 38 0 8 LATITUDE 30 364 D. M. METERS 34 POSITION 76 76 0 LONGITUDE 16 16 D. P. METERS 793 854 35,24 1927 N.A. DATUM = METHOD OF LOCATION tant Sex-= DATE OF LOCATION 1948 = H H INSHORE CHART Chief of Party. 122 3 1224 1224 Reconst. 553 CHARTS

ABBREVIATIONS

Markey .

ROADS VEGETATION W - Cultivation Width (feet bet. shoulders) C P Gr— Grass Private road OP Overpass BUILDINGS UP - Underpass Ho - House - Abandoned trail, road, etc. \mathbf{X} - Barn Ba RR- Railroad tracks; as 2 tracks Sh - Shed WOODS CLASSIFICATION Bldg - Building - Boat House **Density Classification** Bo Ho - Church (give name) 1 — Scattered Ch 2 - Thinly wooded - Court House (give name) Ct Ho 3. - Heavily wooded P O- Post Office (give name) - Densely wooded - School (give name) 4 Sch - Hospital (give name) Types of woods Hos RR Sta - Railroad station - Deciduous \mathbf{D} - Country store or gas sta. Ρ - Evergreen and pine Sto R - Brush - Power Station P Sta - Scrub - Chicken House S Ck H Y — Cypress D Dwelling - Young trees (LP-young pines LANDMARKS LD—young deciduous trees) Hall Fire tower SHORE LINE - Transmission tower TT HWL - Mean high water; fast land Radio Tower or mast RTLWL - Low water line Air Bn - Airway beacon - Light line; marsh shore line LLBn - Non-lighted aid to navigation - Marsh inshore limits Lŧ - Lighted aid to navigation - Marsh grass in water - Low tank MW Τk Dk — Dock Tk elev - Tall tank Pier - Pier Stk — Stack Se W - Sea wall STREAMS, PONDS & BRIDGES Bkhd - Bulkhead \mathbf{D} Largest ditches only Jet - Jetty - Small DX - Dolphin Dol Intermittent stream IS Pile - Pile Probable drainage PD — Sand S Cr- Creek Mud - Mud — Canal Ca - Rock or rocky Rk Bridge, (capacity & clearance) Brg - Stony Sty Cv - Culvert (capacity) Conc - Concrete — Levee Lev - Wood Wo Dam - Dam - Bluff Blf Р - Pond Dune — Dune **TP** - Intermittent pond BOUNDARIES F - Fence Sty F — Stone fence F B - Fire Break Hdg - Hedge Park - Park Cem — Cemetery - County Co Md. - Maryland

Va.

- Virginia Bdy - Boundary

ROAD CLASSIFICATION FOR MAPS OF ALL SCALES

CLASS	LABEL	STRUCTURE	LOADING .
1	Dependable hard-surface heavy duty road.	Concrete, asphaltic concrete bituminus Macadam, H-15 type structures.	Will bear heaviest loads with little maintenance.
2	Secondary, hard-surface all-weather road.	Surface-treated, oiled gravel, waterbound Macadam, structures generally lighter than H-15 but sturdy.	Will bear fairly heavy military loads in all weather if maintained.
3	Loose-surface graded, dry-weather road.	Gravel or stone surface, stable material, selected sand-clay, etc. Drained and graded.	Will bear light military loads in good weather.
4	Unimproved road.	Graded and drained earth, with very light structure.	Generally unsuitable for military loads.
4U	Truck road	Woods roads, farm roads, etc. over which a standard gage vehicle can be driven.	
5	Trail	(Horse trails, foot trails, etc.)	

Roads with more than two (2) lanes are indicated by note along road, e. g. 3 LANE. Change in lanes shown by tick at point of change. Main roads have two lanes unless otherwise marked.

Private roads are designated by the letter P after the road classification.

WOODS CONCEALMENT CLASSIFICATION

Class A: Trees over 10' high and thick enough to hide troops.

Class B: Brush thick enough to hide troops but dense enough to impede progress.

Class C: Scattered brush thick enough to hide troops but not thick enough to impede progress.

Remarks.

Decisions

	Normal RS		Decisions
1		383762	USGB
2		"	
3		10	
4			
5	appears on adjaining sheet 8/17	10	
6	Referred to USGB: apply this name pending its decision Decision 12/9/42	11	
7			
8		11	
9		384762	
10		11	
11		11	
12		11	
13		11	
14		19	USGB
15		11	
16		11	
17		11	
18		11	USGB
19		17	
20	Referred to USGB for revision: apply this name pending new decision Decision	11	USGB
21	12/11/42	W	
22		17	
23	appearson adj. sheet 8109	19	
24		11	
25		12	
26		11	
27		n	
M 234			

	GEOGRAPHIC NAMES Survey No. T-8110 TAYLORS ISLAND quadrant No. 1	STRIC	Ell	de de la	S. Wed	tou loca sie	" on on one	o Guide o	Was brought	V. S. J. Parker	55
	No. 1	10	\$0.	1 50. C	2. 4	NOT THOM	010	80.	2000	5.5	/
	Name on Survey	/ A,	/ B,	/ C,	/D	E	F	G	/ H	K	_
11	v Meekins Neck										1
10	Lower Keene Broad					To the					2
V	Mong Marshes										3
W.	The Big Broads										4
ru	- The Marshes										5
1	Boggs Gut					3,583					6
11	v Codes Point					1					7
V	- Cattail Island										8
11	Dunnock Island										9
11	Dunn ock Slough	1									10
V	Punch Island Creek										11
11	Upper Keene Broad										12
V/	v St. John Creek										13
rr	v Robinson Neck										14
v	» Smithville										15
V	Slaughter Creek						4				16
r	Parsons Creek										17
1	- Poverty Point										18
r	Hooper Neck										19
rr	Hacker Cove										20
~~	Chapel Cove										21
11	Dunnock Island Creek										22
10	Scallop Point										23
v	Scallop Point Gut										24
1	/ Long Point		T T								25
V	, Jacks Creek										26
15	Robinson Cove										27
										N	1 234

Remarks.

Decisions

	Normal As.	Decisions
1		384762
2		n
3		u .
4		11
5		15
6		10
7		
8		11
9	Shown on 8109	
10		13
11		"
12		11
13	Referred to USGB: apply this name pending its	11
14	decision. Ox Per action obsourd 12/11/42	384763 USGB
15		11 11
16		11
17		"
18		* USGB
19		USGB
20		383762
21		
22	Names of districts taken from Md. Geol. Survey	
23	Names of districts taken from Md. Geol. Survey Map of Dorchester County.	
24		
25		
26		
27		
M 234		

	Survey No. T-8110 No. 2 Name on Survey A, B, C, D, E, F, G, H, S, H,	/ silos / /
	Survey No. T-8110 To live and state of the s	SIN STRUST
	Survey No. T-8110 T-	1.5 Hart
	Name on Survey A, B, C, D E F G H	/K/
11	Hog Marsh Creek	1
rvo	Slaughter Creek Narrows	2
10	Piney Neck Marsh	3
VV	Willings Creek	4
rr	Piney Neck Cove	5
vv	Slaughter Creek Broads	6
v	Piney Neck	7
VV	Buzzard Island Core	8
~	Piney Swamp	9
1	Parsons Creek Neck	10
·	Goose Dam	11
v	Ant Bar	12
ve !	Holland Point	13
v	Taylors Island	14
1	Taylors Island (town)	15
v	Davis Creek	16
v.	Cators Cove	17
v.	Oyster Cove	18
v.	Chesapeake Bay	19
1-	Tar Bay	20
	Political subdivisions:	21
1	Hooper Island No. 6	22
, 0	Taylors Island No. 4	23
V	Madison No. 16 Names underlined in red approved	24
2	Dorchester Co La Heck on 1/7/43	25
	- Calvert co million	26
		27
		M 234

DIVISION OF CHARTS

SURVEYS BRANCH

Review of Air Photographic Survey T-5110 (Taylors Island Quadrangle) December 1942

This and the adjoining air photographic surveys were made for the preparation of topographic quadrangles for the War Department. The main divisions of the field surveys and office compilation in preparing these quadrangles are listed as follows for future reference:

FIELD WORK

- 1. Air photography
- 2. Field inspection for the identification of control and for the classification and clarification of planimetric details on the photographs.
- 3. Leveling and contouring: Contouring was accomplished by planetable directly on prints of the air photographs.

PHOTOGRAMMETRIC OFFICES

4. Compilation of all planimetric details and of contours from the photographs onto a celluloid manuscript: This compilation of details was accomplished for all of the war mapping quadrangles in either the Baltimore or Tampa Photogrammetric Office.

FIELD WORK

5. Field edit and completion surveys: Upon completion of the manuscripts, prints were furnished to the field party for ground examination of the maps as to completeness. Necessary corrections were made by planetable. These surveys included systematic horizontal and vertical accuracy tests which are recorded in special report.

aline Hope

WASHINGTON OFFICE

- 6. Review: Following the field edit the maps were reviewed in the Washington Office as regards conformance to specifications and to prepare them for smooth drafting.
- 7. Drafting and reproduction: Smooth color separation drawings were made on metal-mounted blue lines and the quadrangles were printed from these drawings.

The check list containing a record of all work in the Washington Office is filed in the Photogrammetric Section.

The map manuscripts were compiled at the scale of 1:20,000 and include information of interest to this Bureau, not all of which was shown on the printed quadrangle. For this reason a cloth back copy of the rough drawn manuscript will be filed in the vault, together with a cloth back copy of the printed quadrangle.

Contemporary Hydrographic Surveys

None

Comparison with Previous Surveys - T-250, T-255, T-451, T-2493, T-2560, T-2561, T-2564 and T-5718.

T-S110 has been compared with the above surveys and supersede the sections of those surveys it covers with the exception of the wreck shown on T-5718 near the Slaughter Creek Bridge.

Comparison with Nautical Charts

T-\$110 has not been applied to chart 1225 at this date. There are numerous changes in shoreline details and in interior details of roads, drainage, etc.

Radial Plot and Detailing

With reference to the paragraph headed "Junctions" page 3 of the Descriptive Report, contrary to the statement made, the junction with T-8241, Project 288, was not satisfactory. The radial plot was partially relaided in this office and corrections made on T-8110 to perfect that junction.

Reviewed under direction of D. H. Benson

Inspected by B. G. Jones

Chief, Surveys Branch

Chief, Section of Topography-

Chief, Division of Char

Chief, Division of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. 78/10

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
9-49	553	Eletenter	Before After Verification and Review
2/6/56	554	John dal	Before After Verification and Review Thru Ch 553
			Before After Verification and Review
			Before After Verification and Review
-	-		Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
-			Before After Verification and Review
-			Before After Verification and Review
			Before After Verification and Review
-			

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.