

5815

Diag. on Diag. Ch. No. 77-4

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey **Planimetric Map**

Field No. **T-5815** Office No.

LOCALITY

State **Maryland**

General locality **Choptank River**

Locality **Norwich Creek and Vicinity**

Photos taken 1937 and 1940. Supple-
mented by other surveys to 1941.

194 2

CHIEF OF PARTY

Lieut. L. W. Swanson

LIBRARY & ARCHIVES

DATE

Aug 2 1946

6-1870-1 (1)

5815

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-5815

REGISTER NO.

State Maryland

General Locality Choptank River

Locality Tuckahoe Creek

Scale 1:10,000 Date of ~~survey~~ ^{Photos.} 6/25/37; 7/2/37; 9/10/37; 10/31/37

Vessel Air Photographic Party No. 2

Chief of party Lieut. L. W. Swanson

Field Inspection--J. LaJoye

Surveyed by Radial Plot--W. E. Schmidt, J. E. Deal, W. A. Rasure

Inked by J. E. Sunderland; G. O. Fellers

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

May 13, 1938; June 1, 1938; August 28, 1939

Instructions dated March 31, 1938; June 19, 1938, 19....

Remarks: No Scale Factor

DATA RECORD T-5815

PHOTOGRAPHS

Number	Date	Time	Scale	Altitude	Stage of Tide
4797-4798	3/12/40	12:36-12:40	1:10,000	Unknown	No Shoreline
4744-4746	3/12/40	11:14-11:25	1:20,000	Unknown	No Shoreline
AHW 36-21 to					
AHW 36-29	9/10/37	Unknown	1:10,000	Unknown	No, Shoreline
AHY 36-30	9/10/37	Unknown	1:10,000	Unknown	No Shoreline
AHY 8-9 to					
AHY 8-12	6/25/37	Unknown	1:10,000	Unknown	No, Shoreline
AHW 8-13 to					
AHW 8-19	6/25/37	Unknown	1:10,000	Unknown	No Shoreline
AHW 9-29 to					
AHW 9-38	7/2/37	Unknown	1:10,000	Unknown	No Shoreline
AHY 57-75 to					
AHY 57-78	10/31/37	Unknown	1:10,000	Unknown	No Shoreline

Cameras: U. S. Coast & Geodetic Survey Nine lens for 4797-4798 and 4744-4746.

Focal Length $8\frac{1}{4}$ inches

Negatives are on file in Washington Office

Other photographs used were single lens pictures obtained from the Department of Agriculture. They were originally at a 1:20,000 scale but have been enlarged to a 1:10,000.

SUPPLEMENTAL SURVEYS

Graphic Control Surveys-----None

Hydrographic Surveys-----None

Field Inspection by-----J. LaJoye--Fall 1941

Name Investigation by-----J. LaJoye--Fall 1941

The detail on this map drawing is of the date of the above listed single lens photographs.

GENERAL INFORMATION

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

Projection by Wash. Office Ruling Machine-----March 8, 1941

Projection checked by Washington Office-----March 9, 1941

Control Plotted by-----L. W. Swanson-----July 27, 1941

Control Checked by-----J. Aleck-----July 27, 1941

Radial Plot Made by-----J. E. Deal, W.E. Schmidt-----Aug. , 1941
and W. A. Rasure

Radial Points Pricked by-----J. E. Deal-----June , 1941

Additional Radial Points by-----G. O. Fellers-----June , 1942

Detail Rough Draft-----G. O. Fellers,-----Comp. Aug. 10, 1942

Scale-----1:10,000-----No Scale Factor

Preliminary review by-----J. L. Rihn-----Aug. 17, 1942

Area (land)-----29.0sq. Statute Miles

Shoreline-----none

Railroads-----5 Statute Miles

Roads, Trails, Streams, Ditches-----187 Statute Miles

Time Required for Detailing-----45 Working Days

REFERENCE STATIONS

Starr, 1934

North American Datum--1927 (adj.)

Latitude 38° 58' 41.155" (1269.1m.)
Longitude 76° 00' 36.671" (882.7m.)

Maryland system of plane coordinates: X = 1,091,386.48 Ft. Y = 418,424.46 Ft.

DESCRIPTIVE REPORT
TO ACCOMPANY
AIR PHOTOGRAPHIC SURVEY MAP DRAWING T-5815
STATE OF MARYLAND
CHOPTANK RIVER.....EASTERN SHORE....TUCKAHOE CREEK

Date of this Report

August 12, 1942

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 March 31, 1938, June 1, 1938, June 19, 1938 & Aug. 28, 1939.

Control:

The control consists of one station shown by the triangulation symbol:

Starr, 1934 (U.S.C. & G. Station)

Other stations which were used as control but do not fall within the limits of the sheet are:

Queen, 1934 (supplemented by F.I.S. "R. M. No. 2 Queen") (U.S.C. & G.S.)
Salisbury, 1934

Radial points obtained from a 1:20,000 scale plot were used as secondary control points.

Radial Plot:

Two special reports have been submitted, describing in detail the procedure followed in laying the radial plot of this map drawing. One a report of the 20,000 plot and the second the mail 10,000 plot. It is recommended that these two reports be consulted when this map drawing is reviewed.

Special Report; Swanson, L.W., 1941/124 (Library)

Detailing:

The tilt was inappreciable in all photographs used for detailing.

Single lens photographs were used entirely for detailing except in the case of some streams which could be seen on the nine lens pictures. Woodland drainage that could not be accurately located under the stereoscope was estimated and indicated by a dash line.

All buildings visible on the single lens photographs have been shown.

All double line roads not labeled as to width are to be detailed to six meters.

Detailing: (cont'd)

All trails are shown with a solid line and labeled "SDL".

All fences are shown with a solid line and labeled "F".

All ditches were labeled "Ditch".

Intersections that could not be defined as of a rough draft were shown as of a smooth draft.

Geographic Names:

Geographic names shown on this map drawing are listed on form No. M234 in the appendix.

Geographic names were investigated by J. LaJoye in the Fall of 1941.

Recoverable Hydrographic & Topographic Signals:

No Recoverable Hydrographic or Topographic signals appear on this sheet.

Hydrographic Signals:

No Hydrographic Signals appear on this sheet.

Comparisons with Previous Surveys:

There are no previous surveys of this area.

Junctions:

T-5704 joins this sheet at the northwestern corner. Junction is in agreement except where indicated by notes on the map drawing.

No map drawing lies to the north of the eastern part of this sheet.

T-5816 joins this sheet on the east. The junction, with the detail of T-5816, was good.

On the south, the junction was good with T-5812 except where indicated by notes on the map drawing.

The junction with T-5707 on the west was good except where indicated on the map drawing.

Recommended for Future Surveys:

This map drawing is believed to be complete in all important details and no additional survey should be required.

The probable error of radial points which have been determined by at least three photographs is no greater than 0.5mm.

The error of other detail of importance is probably not greater than 1.0mm.

Respectfully submitted,

George O. Fellers
George O. Fellers
Junior Engineering Aide

Jack L. Rihn
Reviewed,
Jack L. Rihn
Principal Photogrammetric Aide (Field)

Forwarded Approved

Aug. 20, 1942

L. W. Swanson
L. W. Swanson
Chief of Party

GEOGRAPHIC NAMES

Survey No. T-5815

Name on Survey	On Chart No.	On previous survey No.	None	On U. S. quadrangle Maps	From local information	County Highway On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
	A	B	C	D	E	F	G	H	K	
✓ ✓ Willoughby			x	16	A	C, D				1
✓ ✓ Starr			x	16	A	C				2
✓ ✓ Balto. & Eastern RR (PRR System)			*	17	A, B	C, D				3
✓ Blockston Branch			x	16, 17	A					4
✓ Norwich Creek			x	16						5
✓ Delaware RR (PRR System)			*		A, B	D				6
										7
										8
										9
										10
										11
A - Queen Anne County Highway Map										12
B - Talbot County										13
C - Queen Anne County P. O. Map										14
D - Talbot County										15
16 - George D. Smith (Storekeeper, Starr) 75 years local knowledge										16
17 - J. A. Mulliken (Storekeeper, Queen Anne) 58 years local knowledge										17
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HECK 12/9/42

Remarks.

Decisions

1		389760
2		389760
3	*St. Michaels Quad. - Queen Anne R.R.	Railway Guide
4	Choptank Quad. - Md., Del., & Vir., R.R.	
5	A, B, CD - Balto., & Eastern R. R.	389759
6		"
7	*D-Del. & Chesapeake R.R.	
8	A, B -Deleware R.R., Oxford Branch (P.R.R.)	Railway Guide
9		
10		
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12	<u>Queen Annes county is U.S.G.B. Decision</u>	
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DIVISION OF PHOTOGRAMMETRY
REVIEW OF PLANIMETRIC MAP T-5715

Radial Plot:

Accepted as adequate without check in this office.

Field Inspection and Detailing:

Adequate, except for the field inspection and compilation of streams through wooded areas. These have been corrected in some instances in red on the manuscript during this review, but are not complete and cannot be completed without extensive additional field inspection.

Previous Topographic Surveys:

None by the Coast and Geodetic Survey in this area.

Comparison with Nautical Charts:

T-5715 covers an inland area. No details are shown on the chart here.

Reviewed under the direction of D. H. Benson, June 1942.

Review report prepared by B. G. Jones, July 1946, from reviewer's notes.

NOTE:

T-5715 was compiled and reviewed in 1942, but processing in the Washington Office was not completed until July 1946 because of war map work of the Bureau. Meanwhile, the Coast and Geodetic Survey produced topographic quadrangles (manuscript scale 1:20,000) for the War Department of this same area. Planimetric details from T-5715 were used as a base in preparing quadrangles T-8268 and T-8269, which were completed in 1943. These quadrangles are more recent and more complete as regards map details than T-5715, but are at a smaller scale.

APPROVED BY:

B.G. Jones 7/46
B. G. Jones, Technical Asst.
Div. of Photogrammetry

Robert W. Jones
Chief, Nautical Chart Branch
Division of Charts

K.T. Adams
Chief, Div. of Photogrammetry

Raymond E. Egan
Chief, Div. of Coastal Surveys