

8141

Original

8141

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	Air Photographic
Field No.	42
Office No.	T-8141
LOCALITY	
State	Maryland & Virginia
General locality	Chesapeake Bay (Western Shore)
Locality	Potomac River
1943	
CHIEF OF PARTY	
F. L. Gallen	
Fred. L. Peacock	
LIBRARY & ARCHIVES	
DATE	September 28, 1945

57645

DATA RECORD

T-8141

Quadrangle (II):

Stratford 7 $\frac{1}{2}$ ' Quadrangle~~Wakerfield 15' Quadrangle~~

Field Office:

Project No. (II):

CS-278-A

Chief of Party:

W. D. Patterson

F. L. Gallen

Chief of Party:

Comdr. Fred. L. Peacock

Compilation Office:

Baltimore Field Office

Instructions dated (II III):

March 4, 27; June 5, 24;) 1942
Aug. 13, 27; Sept. 3, 4,)Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office: 2/1/43

Reported to Nautical Chart Section: 2/43

Reviewed: 5/18/43

Applied to chart No.

Date:

Redrafting Completed: 8/7/43

Registered: 9/28/45

Published: 8/29/44

Compilation Scale:

1:20,000

Published Scale: 1:21,680

Scale Factor (III): None

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

Reference Station (III): Chilton, Va. 1934

Lat.: 38° 07' 42.699" (1316.5m) Long.: 76° 48' 12.087" (294.4m) Adjusted
Unadjusted

State Plane Coordinates (VI):

Md. coordinate system, Single Zone.

X = 856,569.50 ft.

Y = 107,564.16 ft.

Virginia coordinate system, North Zone

X = 2,488,033.12 ft.

Y = 172,699.91 ft.

Military Grid Zone (VI)

"A"

overlapping zone B shown by Ticks

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
NINE LENS				
8867-8868 Incl.	4/15/42	12:41-12:42p.m.	1:20,000	1.9' above M. L. W.
8875-8878 Incl.	4/15/42	12:55-12:59p.m.	1:20,000	1.9' above M. L. W.
8888-8891 Incl.	4/15/42	1:15- 1:18p.m.	1:20,000	1.9' above M. L. W.
SINGLE LENS Soil Conservation Contact prints				
FG 109-48-109-53Incl.	4/27/37	Unknown	1:20,000	Unknown
FG 105-163-105-167Incl.	4/27/37	Unknown	1:20,000	Unknown
FG 107-04-107-08Incl.	4/27/37	Unknown	1:20,000	Unknown
FG 107-98-107-102Incl.	4/27/37	Unknown	1:20,000	Unknown
FG 108-32-108-34Incl.	4/27/37	Unknown	1:20,000	Unknown
AHX10-176-10-178Incl.	4/28/38	Unknown	1:20,000	Unknown
AHX10-132-10-135Incl.	4/28/38	Unknown	1:20,000	Unknown

Tide from (III): Tables of predicted tides, reference station Washington with time correction for Blackistone.

Mean Range: 1.9ft. Spring Range: 2.2ft.

Camera: (Kind or source) U. S. Coast & Geodetic Survey, nine lens camera (focal length $8\frac{1}{4}$ ")

Field Inspection by: Hor.Cont:R.D.Trace, G.B.Wood date:May to June '44
Shoreline:J.C.Lajoie, R.D.Trace & C.O.Rector July to Aug.'42

Field Edit by: Cultural Features: J.N.Henningsen, date: Aug. to Oct.'42
H.R.Cravat, & J.C.Lajoie Apr.-1943
Orvis N. Dalbey

Date of Mean High-Water Line Location (III):

Same as date of nine lens photographs

Projection and Grids ruled by (III) Wash. Office date: Sept. 9, 1942

" " " checked by: Washington Office date: Sept. 9, 1942

Control plotted by: Harry L. Spaulding date: Oct. 24, 1942

Control checked by: George O. Fellers date: Oct. 24, 1942

Radial Plot by:J.Edward Deal, Jr. & Joseph Steinberg date: Oct. 3, to Oct. 9, 1942

Detailed by: Donald M. Brant date: Nov. 3, 1942 to Jan. 28, 1943

Reviewed in compilation office by:Henry P. Eichert date: Jan. 15, 1943 to Jan. 30, 1943

Elevations on Field Edit Sheet checked by: L. G. Chambers date: 3/24/43

STATISTICS (III)

Land Area (Sq. Statute Miles): 19

Shoreline (More than 200 meters to opposite shore): 18 Statute Miles

Shoreline (Less than 200 meters to opposite shore): 6 Statute Miles

Number of Recoverable Topographic Stations established: 27

Number of Temporary Hydrographic Stations located by radial plot:

None.

Leveling (to control contours) ^{Statute} / miles: 8.5

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: Contours by: J. N. Henningsen, Aug. to Oct. 1942

FIELD INSPECTION REPORT
QUADRANGLE T-8141
F.L.Gallen, Chief of Party
Project CS-278 - A

1. DESCRIPTION OF AREA - North of the Potomac River, the land is below the 20 foot contour and has a small bluff along the shoreline. South of the Potomac River there is a bluff along the shoreline about 150 feet high except near the east edge of the quadrangle where it drops to about 30 feet in elevation. A tableland cut-up by numerous stream valleys extends back from the top of the bluff. See the Report for T-8114 for the shape of these valleys. The streams draining to the Potomac River head only a few miles from the river, and then the drainage changes direction and flows south to the Rappahannock River.

There is a moderate amount of cleared land along Currioman Bay and small cleared areas on the tops of the flat-topped ridges. The remainder of the area is heavily wooded with pine and deciduous trees with a heavy undergrowth.

- 2. Same as for T-8114
- 3. Same as for T-8142
- 4. and 5. Same as for T-8148.
- 6. Same as for T-8148.

It was found that the cleared areas were usually limited by the slope of the land and due to the steepness of the slope at the edge of the field a contour was usually closely adjacent to the edges of all clearings.

Traverse lines were run down ridges and were closed either by running back on an adjacent ridge or by tying in to the high water line or the marsh area along a tidal stream. It is thought that all vertical traverses are within allowable limits.

- 7. to 16. Same as for T-8148.

17. The boundary line of the Stratford Plantation (General Lee's birthplace) and the Maryland-Virginia State Line will be added to the Map Manuscript.

- 18. Same as for T-8114.

Approved and forwarded:

F. L. Gallen
F. L. Gallen,
Chief of Party.

Submitted by,

G. R. Fish
G. R. Fish,
Lieut. U. S. C. and G. S.

26 Control:

Three U. S. Coast and Geodetic Survey Triangulation Stations fall within the limits of this map manuscript, eight U. S. Coast & Geodetic Survey Triangulation Stations and three Reference Monuments fall just beyond the limits of this map manuscript. Considering that a large portion of this map manuscript is water area, these stations afforded adequate control for secondary and detail points.

Triangulation stations within the limits are:

Chilton (Va.), 1934
Airway Beacon No. 9 (Wash. & Norfolk), 1942
Cobb Point Bar Lighthouse, 1901, 1929

(Rebuilt 1941, value is Δ destroyed but can be used as topo. sta.)

Triangulation stations just beyond the limits are:

Blackistone Is. Lighthouse, 1860, 1929
Hard, 1908
Hollis, 1932
Prec, 1908
Rock Point Catholic Church, 1908
Smarts, 1932
Weiss, 1908
Cobb R.M. 2
George R.M. No. 1, 1934
St. Margaret 2 R.M., 1908
Wakefield Washington Monument, 1934

It was impossible to pick Hollis, 1932 on the photographs with any degree of accuracy. It was therefore not used in establishing secondary and detail points.

27 Radial Plot:

The report covering the radial plot for war mapping project CS-278-A, of which Survey T-8141 is a part, has been previously submitted.

28 Detailing:

The nine lens photographs were used to detail the greater portion of this map manuscript. The single lens photographs, obtained from the Soil Conservation Service, were very helpful especially in locating drainage. They were used extensively for reference when detail was not clear on the nine lens photographs.

The field inspection adequately covers the area of this map manuscript. Any discrepancies between field inspection submitted by two different groups of the field inspection party have been noted on the discrepancy overlay.

All drainage has been shown, as it appeared on the office photographs, after careful stereoscopic examination. Where this examination was in disagreement with the drainage as shown on the field inspection photographs, the contours have been adjusted to agree with the drainage location as shown on the map manuscript. Contours are very numerous and compact over the area of this map manuscript and many changes of this nature were necessary.

29 Supplemental Data:

Previous surveys T-1104, T-1105, T-1106, T-2598, T-2599, and T-2508 cover the detailed portion of this map manuscript. Copies of these surveys are not available to the compilation office.

30. Mean High Water:

The Mean High Water Line was detailed according to the field inspection. The stereoscope was used freely as an aid in interpreting the Mean High Water Line correctly:

31 Low Water and Shoal Lines:

There are no low water lines indicated by field inspection within the limits of this map manuscript. Shoal areas shown were detailed from the nine lens photographs and agreed with the 9" x 9" single lens photographs.

32 Details Offshore from the High Water Line:

There are no details offshore from the high-water line, either indicated on the field inspection or visible on the office photographs.

33 Wharves and Shoreline Structures:

All piers, wharves, and docks indicated on the field inspection have been shown. In addition, all other shoreline structures, which were visible on the office photographs were shown.

34 Landmarks and aids to Navigation:

No Landmarks appear on this map manuscript but there are four aids to navigation.

They are:

St. Catherine Sound Day Beacon 1
St. Catherine Sound Day Beacon 2
St. Catherine Sound Day Beacon 4
St. Catherine Sound Light Fl. W., 5 sec.
Cobb Pt. Bar Light

These aids to navigation are also listed as Hydrographic control in paragraph 35.

The compilation office was unable to secure a good position of St. Catherine Sound Light from the sextant fix as submitted by the field party. An adjustment of the angles given was necessary and this is described on the discrepancy overlay. It is suggested that the position as submitted on Form No. 524 and Form No. 567 be checked during the field edit.

Form No. 567 is submitted herewith, giving the recommended positions of these aids to navigation as established by sextant fix.

35 Hydrographic Control:

There are twenty-seven Recoverable Topographic stations which fall within the limits of this map manuscript which may be used for any future hydrographic survey. They are:

Bob	Sack
Bur. of Ord. Range Sta. No. 27	San
Bur. of Ord. Sta. No. 25	Sham ^{Son}
Col	Stratford Boundary Mark "A"
Cow	Stratford Plantation Boundary Mark "B"
Cur	St. Catherine Sound Light Fl. W., 5 sec.
Dan <i>(Naval Training Ground Range Sta 24, 47.)</i>	St. Catherine Sound Day Beacon 2
End No. 1	St. Catherine Sound Day Beacon 4
fake	St. Catherine Sound Day Beacon 1
Land	Westmoreland St. Park Boundary Mark "A"
Md. Va. Boundary Mark No. 24	Westmoreland St. Park Boundary Mark "B"
Mud	Westmoreland St. Park Boundary Mark
Pat	Westmoreland St. Park Water Tank

Descriptions for these stations have been submitted on Form No. 524.

Boundary Monument No. 24 is listed as a triangulation station in description of triangulation stations pamphlet No. 346, p. 17. This station is described as valueless as a triangulation station in this description.

37 Geographic Names:

A list of undisputed and disputed Geographic Names is submitted with this descriptive report.

38 Discrepancy Overlay:

A discrepancy overlay has been prepared to accompany this map manuscript. On it are noted questions concerning correct interpretation, comments and notes such as are deemed likely to be of assistance during the field edit. Also shown, for the use of the Baltimore Compilation Office, are the names of all bench marks.

39 Horizontal Accuracy:

Horizontal accuracy of the location of well-defined and less well-defined points of detail is believed to be within the limits set forth in the instructions for Project CS-278, Paragraph 54, dated March 4, 1942.

40 Recommendation for future surveys:

The planimetric detail as presented on this map manuscript is believed to be complete but is subject to field edit for corrections, additions and deletions.

41 Junctions:

The following satisfactory junctions have been made with map manuscript No. T-8141:

To the North with T-8115	To the south with T-8144 (common radial points only)
To the West with T-8142	To the east with T-8140

42 Remarks:

The description of the area covered by this map manuscript as submitted by the field party is adequate.

44 Comparison with existing Topographic Quadrangles:

Because of great difference in scale no accurate comparison of this map manuscript with the U. S. Geological Survey Quadrangles for this area could be made.

Several small islands are shown on the U. S. Geological Survey Quadrangles which are not discernible on either the single or nine lens photographs.

In general, the agreement is good.

45 Comparison with Nautical Charts:

In comparing T-8141 with Chart No. 558 issued July 29, 1942; a shoreline discrepancy appears south of Milestown between Longitude $76^{\circ} 46.2'$ and $76^{\circ} 46.55'$. Chart No. 558 shows a bluff along the shoreline at this point. Field inspection and examination of the office photographs indicates a marsh area adjacent to the shoreline.

Respectfully submitted,
January 28, 1943

Donald M. Brant
Donald M. Brant
Sr. Photogrammetric Aid

Map Manuscript, Discrepancy
Overlay and Descriptive Re-
port reviewed by:

Henry P. Eichert
Henry P. Eichert
Jr. Photogrammetric Engineer

Compilation of Map Manuscript
supervised by:

Joseph Steinberg
Joseph Steinberg
Asst. Photogrammetric Engineer

and

J. Edward Deal, Jr.
J. Edward Deal, Jr.
Asst. Photogrammetric Engineer

Approved and Forwarded:

Fred. L. Peacock
Fred. L. Peacock
Officer-in-Charge
Baltimore Field Office

JAN 30 1943

FIELD EDIT REPORT
TO ACCOMPANY
DESCRIPTIVE REPORT ON QUADRANGLE T-8141

46. The field edit was done by visual inspection on the field edit sheet and transferred to the smooth sheet in the office.

The inking was done in accordance with the following scheme:

<u>Features</u>	<u>Colors</u>
Additions, bench marks, wye level elevations and crosses	Black
Deletions	Green
Contours, elevations by topo.	Brown
Drainage features	Blue
Civil boundaries	Violet

47. The position and amount of detail on this sheet is believed to be accurate and complete.

48. The horizontal accuracy test is the subject of a special report submitted by L. G. Chambers.

The vertical accuracy test is the subject of a report submitted by Lieut. G. R. Fish on Project CS-278-A.

11. All aids to navigation were checked by planetable. The position for the beacon is submitted on form 567.

17. Due to the controversial nature of the Maryland-Virginia boundary, the exact location was left to be determined in Washington, D. C.

Respectfully submitted,

Orvis N. Dalbey
Orvis N. Dalbey,
Photogrammetric Aid.

Approved and forwarded:

F. L. Gallen
F. L. Gallen,
Chief of Party.

Horizontal Accuracy Tests

Comparison of U.S.G.S. Transit Traverse Points with Plotted Positions on U.S. Coast & Geodetic Survey Quadrangles
Project 278-A

G.P. M	Plotted Positions M	Long.	G.P. M	Plotted Positions M	Position Diff. (mm)	Direction
1312	1325	76° 52'	505	501	7 mm	N.N.E. ✓
954	963	76° 52'	59	68	6 mm	N.W. ✓
598	604	76° 49'	1117	1113	4 mm	N.E.
1642	1635	76° 49'	928	932	4 mm	S.S.W. ✓
481	477	76° 48'	1362	1368	4 mm	W.S.W. ✓

(Page 10)

Computed by L.S.G.
Checked by P.H.D.

Chart letter 287, 1943

TO BE CHARTED
~~TO BE DELETED~~ } STRIKE OUT ONE

**LANDMARKS FOR CHARTS
AIDS TO NAVIGATION.**
Myrtle Beach, S. C.

APR 11 14, 1943

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

The positions given have been checked after listing.

R. L. Galien

Chief of Party:

[illegible]

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

LIST OF GEOGRAPHIC NAMES

Undisputed

Asparagus Point
Bettys Neck
Black Swamp
Bryant Swamp
Bryant Town
Bullock Is.
Chantilly Br.
Chantilly Hill
Chiltons
Chrisford
Clifton Hill
Clifton Br.
Cold Harbor Cr.
Colton Beach
Colton
Crew Pt.
Currioman Cr.
Currioman Farm
Currioman Ldg.
Currioman Bay
Dukeharts Channel
Dukeharts Cr.
Goodrich Farm
Haulover Inlet
Haulover Pt.
Hackley Cr.

Hill Sch.
Hollis Marsh
Horsehead Cliffs
Kenna Swamp
Kentucky Hill
Kentucky Run
Lerty (Maryland)
Milestown
Mt. Airy
Mt. Airy Wharf
Nomini Cliffs
Old Mill Branch
Poor Jack Cr.
R. E. Lee (Birthplace)
River Springs
Stratford Mill
Stratford Mill Run
Stratford Cliffs
Stratford Ldg.
St. Catherine Sound
St. Catherine Is.
St. Patrick Cr.
The Big Meadow
The Little Meadow
The Sands
Virginia Westmoreland Co.
Waterloo Pt.
Westmoreland State Park
White's Neck Pt.
Williams Pt.
old Wolf Swash

LIST OF GEOGRAPHIC NAMES

Recommended

Coltons Pt.
Palmer
Stratford Hall (Stratford)
St. Mary's Co.
Dividing Swamp

Disputed

Longworth Pt.
Palmer
Stratford
St. Marys Co.
Curtis Swamp
Grant Swamp

Note: Stratford Post Office is recommended by the field party to
be deleted from this map manuscript.

T.8141

NO.1

Remarks

Decisions

1		382 767
2		"
3		"
4		" U.S.G.2.
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		381 767
21		"
22		"
23		"
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T. 8141

NO. I

Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A	B	C	D	E	F	G	H	K	
Dukeharts Channel	✓								1
Colton Point	✓								2
Colton Beach	✓								3
Colton	✓								4
Dukeharts Creek	✓								5
Wilestown									6
Palmer's	✓								7
St. Patrick Creek	✓								8
Hackley Creek	✓								9
River Springs	✓								10
Crew Point	✓								11
St. Catherine Sound	✓								12
Old Wolf Swash									13
Whites Neck Point	✓								14
Bullock Island	✓								15
St. Catherine Island.	✓								16
Waterloo Point	✓								17
Cobb Point Bar	✓								18
Cobb Point Lt. House	✓								19
Poor Jack Creek	✓								20
Goodrich Farm	✓								21
Currioman Creek	✓								22
Asparagus Point	✓								23
Bettys Neck	✓								24
Old Mill Branch	✓								25
Chiltons	✓								26
Black Swamp	✓								27

T.8141
no.2

Remarks

Decisions

1		381767
2		"
3		"
4		"
5		"
6		" U.S.G.B.
7		" " "
8		"
9		"
10		" U.S.G.B.
11		"
12		"
13		"
14		"
15		" U.S.G.B.
16		"
17		"
18		"
19		"
20		381767
21		"
22		"
23		"
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T.8141

No .2

GEOGRAPHIC NAMES										
Survey No. T.8141										
No .2										
Name on Survey										
	A	B	C	D	E	F	G	H	K	
Dividing Swamp	✓									1
Kenna Swamp	✓									2
Hill School	✓									3
Lerty	✓									4
Westmoreland State Park	✓									5
The Sands	✓									6
Horsehead Cliffs	✓									7
The Big Meadow	✓									8
The Little Meadow	✓									9
Stratford Cliffs	✓									10
Stratford Landing	✓									11
Stratford Mill	✓									12
Stratford Mill Run	✓									13
R.E.Lee Birthplace	✓									14
Stratford Hall	✓									15
(Stratford)	✓									
Kentucky Hill	✓									16
Kentucky Run	✓									17
Bryant Town	✓									18
Bryant Swamp	✓									19
Chisford	✓									20
Chantilly Branch	✓									21
Chantilly Hill	✓									22
Clifton Branch	✓									23
Clifton Hill	✓									24
Nomini Cliffs	✓									25
Mt. Airy	✓									26
Mt. Airy Wharf	✓									27

M 234

T.8141

Remarks

Decisions NO.3

1		381767 U.S.G.B.
2		"
3		" U.S.G.B.
4		"
5		"
6		"
7		" U.S.G.B.
8		" U.S.G.B.
9		
10		
11		
12		
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15		U.S.G.B.
16		
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GEOGRAPHIC NAMES

Survey No.

No. 3

Name on Survey

	A	B	C	D	E	F	G	H	K	
Cold Harbor Creek	✓									1
Williams Point	✓									2
Currioman Bay	✓									3
Haulover Point	✓									4
Haulover Inlet	✓									5
Hollis Marsh	✓									6
Currioman Landing	✓									7
Currioman Farm	✓									8
										9
										10
Potomac River	✓									11
Martland	✓									12
Virginia Westmoreland County	✓									13
										14
St. Marys County	✓									15
Charles County	✓									16
Montross District	✓									17
Washington District	✓									18
State Highway No. 37 A										19
Va. State Hwy. No. 34 E										20
State Highway No. 150										21
										22
Dist. 5 Harris Lot	✓									23
Dist. 7 Milestown	✓									24
										25
										26
										27

later included in red a

W. F. H. on 6-22-43

RECORDS

Between January, 1942 and July, 1944, this Bureau completed 323 quadrangles. These maps have been published, or are in the process of being published on scales of 1:31,680 or 1:25,000. This series of quadrangles includes a land area of approximately 15,000 square miles. Incident to this work, a considerable volume of survey records and data has accumulated which will be filed for future reference. This material is filed as follows:

Registered and Filed in the Vault

Cloth-mounted copy of the published quadrangle.
published quadrangle at 1:20,000 scale.
Black and white cloth-mounted copy of the ~~map~~ ~~manuscript~~. This copy is filed to preserve original survey detail shown on the manuscript at 1:20,000 scale which may not have been shown on the published sheet. For ~~political boundaries~~, woodland, ~~march~~, ~~and swamp limits~~, refer to the published quadrangle for the finally adopted positions.

Descriptive Report.

Filed in the Photogrammetric Section - Surveys Branch

Field inspection photographs.

Contoured photographs (on which planetable contouring work was performed.)

Field edit sheet.

Descriptions of recoverable topographic stations (Form 524), filed in Reviewing Unit.

Supplementary traverse and level records.

Field notes, computations, lists of positions, and tabulations of results of horizontal and vertical accuracy tests.

Reproduction proof.

Correction sheet (copy of quadrangle showing in red changes to be made when next printed.)

Check lists of work performed on each sheet in the Washington Office during review, drafting, edit, and reproduction.

Original celluloid manuscript.

Copies of specifications and all instructions to field parties and field offices.

Filed in Reproduction Branch

Glass negatives of the color separation drawings.

Filed in the Library

~~Special report on field work by Commander K. T. Adams, 1944.~~

Special report on office work by B. G. Jones, 1944.

Season's report on field work by Commander F. L. Gallen, 1944.

Season's report on field work by Commander R. L. Schoppe, 1944.

Delivered to the Army Map Service in accordance with the contract

Film negatives and film positives of the color separation drawings.

All color separation drawings.

~~Original celluloid manuscript.~~

A correction sheet consisting of a copy of the first edition of the quadrangle with notes in red indicating changes desirable at the next printing.

General Procedure in the Production of Topographic Quadrangles for the War Department

This quadrangle, together with similar adjoining maps produced under Project C.S.278-A, was prepared by the Coast and Geodetic Survey for the War Department under "General Specifications for War Department Mapping Program" issued about December 1941, in which is incorporated the "Standard of Accuracy for a National Map Production Program" issued by the Bureau of the Budget under date of June 10, 1941.

The general procedure in the production of this and the adjoining quadrangles was:

FIELD SURVEYS

Aerial photography with the Coast and Geodetic Survey nine-lens camera, with airplane and flight crew furnished by the U. S. Coast Guard. The photographs were taken to the scale of 1:20,000. This photography was supplemented by use of single-lens photographs. Ground inspection of the photographs for identification of control points, and classification and clarification of planimetric details on the photographs.

Contouring by planetable directly on the photographs. Supplementary vertical control was established by means of an extensive subordinate level net, furnishing unmarked elevations at road intersections, drive-ways, and numerous other points identifiable on the photographs.

COMPILATION OF MANUSCRIPT

Compilation on the map manuscripts by radial plot methods (celluloid hand templets) of all planimetry and contours. These manuscripts were drawn on the scale of 1:20,000 on celluloid sheets on which polyconic projections had been ruled with the Projection Ruling Machine in the Washington Office. Compilation was accomplished in the Baltimore ~~Tampa~~ Photogrammetric Office.

FIELD EDIT

Comparison of a copy of the manuscript with the ground. This included inspection for completeness and accuracy as well as the location by planetable methods of additional details, checking of nautical and aeronautical aids to navigation, etc.

Accuracy Tests - Application of systematic horizontal and vertical accuracy tests to check the maps for conformity with the specifications. These tests consisted of comparison of the map position and elevation of selected random points with the true position and elevation as independently determined by standard survey methods.

PROCESSING IN THE WASHINGTON OFFICE

Review - Examination of the manuscript for accuracy and completeness of compilation and compliance with specifications, correcting where necessary; addition of military and state grids and other special features; and verification of the general adequacy of the manuscript as a basis for the production of a finished map.

Drafting and Reproduction - Preparation of smooth color separation drawings on 1:20,000 scale on metal-mounted "blue-line" copies of the manuscript. From these drawings, negatives and printing plates were prepared for reproduction of the finished map on the scale of 1:31,680 or 1:25,000.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8141

STRATFORD QUADRANGLE

This quadrangle manuscript has been examined for completeness, accuracy, and conformity with the specifications. It is adequate for smooth drafting, reproduction and publication. Revisions found to be necessary in this office are discussed on the next page.

Horizontal and Vertical Accuracy Refer to page 10 of this Descriptive Report for the results of the horizontal accuracy test within this area. This test was accepted as satisfactory. The closest vertical accuracy test was performed on field photograph 8867. The results of this test proved the field work to be adequate in this area.

Previous Surveys

This manuscript has been compared with the following previous topographic surveys of this Bureau and other agencies. This map is satisfactory to supersede the previous surveys over the common area.

T-2598	1:20,000	1902	
T-2599	1:20,000	1902	
T-2730	1:20,000	1905	
T-1105	1:20,000	1868	
T-1104	1:20,000	1868	
T-1106	1:20,000	1868	
T-2808	1:20,000	1906	
"Nomini"	1:125,000	1898	U.S.G.S.
"Wakefield"	1:62,500	1932	U.S.G.S.

Comparison with Nautical Charts Nos. 558

The manuscript has not been applied to the charts at the date of this review. The following comments are pertinent to the compilation and correction of nautical charts:

Only slight differences in shoreline were apparent.

There are differences in shoreline at Hollis Marsh up to 400 meters, and large differences in the locations of the creeks and topography on the S.W. shore of Currioman Bay. D.A.B. 2/5/47

The following revisions of the map manuscript were found to be necessary and were accomplished as a part of this review:

Only changes of a minor nature were necessary on this map manuscript.

Reviewed 5/18/43 By Peter Kerr
under direction of D. H. Benson *per G.H.S.*

Inspected by B. G. Jones *B. G. Jones*

Examined and approved:

Charles Pierce
Chief, ~~Surveys Branch~~
CHART DIVISION

L. S. Loden
Chief, Div. of Charts

K. T. Adams
Chief, Topography Section

Raymond E. Gorman
Chief, Div. of Coastal
Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. 8141

Record of Application to Charts

[illegible]

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.