

8171

8171

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	Air Photo Compilation
Field No.	72
Office No.	T-8171
LOCALITY	
State	Virginia
General locality	Eastern Shore
Locality	Jamesville
1942	
CHIEF OF PARTY	
Lieut. Comdr. Francis L. Gallen	
Lieut. Comdr. Kenneth C. Crosby	
LIBRARY & ARCHIVES	
DATE	September 10, 1945

DATA RECORD

T-8171

2
1

Quadrangle (II): Jamesville

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

Field Office: Salisbury, Md.

Chief of Party: Lieut. Comdr. W.D. Patterson

Compilation Office: Tampa, Fla.

Chief of Party: Lieut. Comdr. K. G. Crosby

Instructions dated (II III): 3/4/42

Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office: 11/24/42

Reported to Nautical Chart Section: 1/26/45

Reviewed: 7/28/43

Applied to chart No.

Date:

Redrafting Completed: 11/6/43

Registered: 9/4/45

Published: 3/23/44

Compilation Scale: 1:20,000

Published Scale: 1:31,680

Scale Factor (III): 1.00

Geographic Datum (III): NA 1927

Datum Plane (III): M. S. L.

Reference Station (III): West, 1942

Lat.: 37°33'31."0⁰⁹₁₈ (956.9⁰_{3m})Long.: 75°55'56."3³⁴₂₅ (1382.4⁸_{4m})Adjusted
Unadjusted

State Plane Coordinates (VI): Virginia South

X = No plane coordinates
 available for datum station
 O.K.
 J.H.S.

Y =

Military Grid Zone (VI) Zone A

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
85 ³ 5 2	4/13/42	11:08	1:20,000	1.4
8546	"	11:38	"	1.2

Predicted

Tide from (III): Occohannock Creek, Va.

Mean Range: 1.8 feet

Spring Range: 2.2 feet

Camera: (Kind or source) U. S. C & G. S. Nine Lens
(Focal Lengths $8\frac{1}{4}$ inches)

Field Inspection by: C.C. Fryer A.M. Jylha date: 1942
H. Cravat D.B. Hancock

Field Edit by: Orvis N. Dalbey, photo. A. d. date: Dec. 1942.

Date of Mean High-Water Line Location (III): 4/13/42

Projection and Grids ruled by (III) Washington Office date: Sept. 1942

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

Control plotted by: L. H. Zollars, Photo Aid date: Sept. 22, 1942

Control checked by: C. L. Bailey, Photo Aid date: Sept, 22, 1942

Radial Plot by: Tampa Office Personnel date: Sept. 29, 1942

Detailed by: Paul Taylor and Photo. Aid
Edward C. Andrews Asst. Engr. Drfsman date: Oct. & Nov.
1942

Reviewed in compilation office by: C.A.J. Pauw, J.H.S. date: Nov. 1942
Sr. Engr. Aid Billmyer, Prin. Eng. Dfsman.

Elevations on Field Edit Sheet
checked by: Orvis N. Dalbey Photo. Aid

date: Dec. 22, 1942

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STATISTICS (III)

Land Area (Sq. Statute Miles): 22.61

Shoreline (More than 200 meters to opposite shore): 39.7

Shoreline (Less than 200 meters to opposite shore): 17.8

Number of Recoverable Topographic Stations established: 13

Number of Temporary Hydrographic Stations located by radial 8 plot:

Leveling (to control contours) - miles: 32.2

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:

During review in Washington office errors found in the radial plot resulted in the laying of an entire new radial plot involving the adjoining sheets, and the complete redetailing of T-8171.

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Compilation
DESCRIPTIVE REPORT
TO ACCOMPANY
SHEET T-8171

CONTROL

Control on this sheet was well distributed. All of the stations were held on during the radial plot and were used without difficulty during compilation of the sheet.

RADIAL PLOT

The main radial plot which included this sheet was discussed and incorporated in the report accompanying sheet T-8173.

DETAILING

T-8171, T-8172, T-8174 + T-8175 were involved in a new template plot by the Washington office, T-8171 requiring entirely new detailing.
This sheet was detailed from Coast Survey nine-lens photograph and single lens field prints. It was started by another compiler who completed the shore line and a small part of the inland detail. The photographs were of fair scale and clarity. No difficulty was encountered in the drafting. Field notes were plentiful, together with classification of the roads and vegetation, all of which have apparently been reached by the field inspectors.

SUPPLEMENTAL DATA

No graphic control surveys by this Bureau, or maps and plans of other organizations were used to supplement the photographs.

LANDMARKS AND AIDS TO NAVIGATION

Ocohanock Creek Beacon 3 falls within the limits of the sheet but could not be plotted as the field inspection party failed to locate it.

See field edit sheet and form 567 following.

HYDROGRAPHIC CONTROL

There are twentytwo topographic stations on this sheet which were located by the radial plot and which are suitable for the control of hydrographic surveys. The geographic positions of these stations are shown on Forms 524.

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

When compared with the Onancock, Virginia Quadrangle, published in 1939 on a scale of 1:62,500 by the Corps of Engineers, U. S. Army, no obvious changes could be noted in either positions or cultural features.

COMPARISON WITH NAUTICAL CHARTS

This sheet has been compared with U. S. C. & G. S. Chart 1223 (Published in March 1932 on a scale of 1:20,000). Shoreline structure is apparently the same on both and no inland features differ noticeably.

The map compilation adequately portrays all charted topographic details and should supersede the charted information.

Respectfully submitted,

Edward C. Andrews
Edward C. Andrews,
Asst. Engineering Draftsman

Forwarded:

Lieut. Comdr.
Kenneth G. Crosby
Kenneth G. Crosby
Chief of Party

FIELD EDIT REPORT
 QUADRANGLE T-8171
 Project CS-278- C
 F. L. Gallen, Chief of Party

1. The area found within this quadrangle consists of three rather low necks extending into Chesapeake Bay.
15. Bridge Classification was carried out in accordance with the instructions.
17. Political boundaries were obtained from ^{the Census Bureau} ~~maps issued by the Virginia State Roads Commission~~ and were verified in the field. ✓
18. Geographic Names were taken from a special report CS-278-C submitted by A. J. Wraight, Photogrammetric Aid. ✓
46. All additions, deletions, and corrections were made on the map manuscript and transferred to the smooth copy after completion of the field work.

The inking of the map manuscript was done in accordance with the following scheme:

<u>FEATURES</u>	<u>COLORS</u>
Additions, bench marks, wye level elevations, crosses.	Black
Deletions	Green
Drainage features	Blue
Political boundaries	Purple

47. The position and amount of detail on this manuscript is complete and accurate.
48. The horizontal accuracy traverse was run in quadrangles T-8172 and T-8175.

The vertical accuracy test was run in quadrangle T-8174. The same topographer did quadrangles T-8171 and T-8174.

Submitted by

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

Approved by:
F. L. Gallen
 F. L. Gallen, Chief of Party

TO BE CHARTED
TO BE DELETED } STRIKE OUT ONE

LANDMARKS FOR CHARTS PERMANENT AIDS TO NAVIGATION

Quinn-Cook, Va.

Date: 30, 1942

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

T. L. Gallen

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 charts of the area and not by individual field survey sheets. Information under each column heading should be given.

GEOGRAPHIC NAME LIST FOR T-8171

- ✓ Back Creek
- ✓ Battle Point
- ✓ Cedar View Wharf
- ✓ Chesapeake Bay
- ✓ Concord Wharf
- ✓ Craddock Creek
- ✓ Curratuck Creek
- ✓ Craddock Neck
- ✓ Davis Wharf
- ✓ Fishers Cove
- ✓ Gaskins Point
- ✓ Holly Grove Cove
- ✓ Hyslop Marsh
- ✓ Jamesville
- ✓ James Wharf
- ✓ Johns Point
- ✓ Johnsons Cove
- ✓ Johnsons Point
- ✓ Kelleys Cove
- ✓ Killmon Cove
- ✓ Morley Wharf
- ✓ Mt. Airy Cove
- ✓ Nandua Creek
- ✓ Nassawadox Creek
- ✓ Occohannock Creek
- ✓ Occohannock Neck
- ✓ Old Neck
- ✓ Pitts Point
- ✓ Poles Bluff
- ✓ Sandy Point
- ✓ Savages Point
- ✓ Scarborough's Gut
- ✓ Scarborough Neck
- ✓ Sparrow Point
- ✓ Stewarts Wharf
- ✓ Tawes Creek
- ✓ Tawes Point
- ✓ Ward-Town

Hyslop?

(Hyslop cr. old name)

(Sandy Pt. old name)

- one word

Remarks.

No. 1
Decisions

1		374759 USGB
2		"
3		375758-759
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11	Pending with USGB (old name Maps Creek): apply this name pending its decision; name approved by	" U.S.G.B.
12		"
13	Pending with USGB (old name Sandy Point): apply this name pending its decision; name approved by	" U.S.G.B.
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8171
JAMESVILLE quadrangle
No.1

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	
Nassawadox Creek	✓								1
Occhohannock Neck	✓								2
Wardtown	✓								3
Morley Wharf	✓								4
Davis Wharf	✓								5
Fisher Cove	✓								6
Holly Grove Cove	✓								7
Jamesville	✓								8
Battle Point	✓								9
Concord Wharf	✓								10
Killmon Cove	✓								11
Occhohannock Creek	✓								12
Poles Bluff	✓								13
Scarborough Neck	✓								14
Craddock Creek	✓								15
Stewarts Wharf	✓								16
Kelley Cove	✓								17
James Wharf	✓								18
Pitts Point	✓								19
Savage Point	✓								20
Johnson Point	✓								21
Old Neck	✓								22
Sparrow Point	✓								23
Johnson Cove	✓								24
Mt. Airy Cove	✓								25
Johns Point	✓								26
Scarborough Gut	✓								27

T-8171

No. 2

Remarks.

Decisions

1		375758-759
2		"
3		"
4		"
5		"
6		376758-759
7		" USGB
8		"
9		"
10		"
11		US GB
12	Spelling approved by Va. Legislature 1/15/40	
13		
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GEOGRAPHIC NAMES

Survey No. T-8171

No. 2

Name on Survey

	A, On Chart No.	B, On previous survey No.	C, On U. S. quadrangle Maps	D, From local information	E, On local Maps	F, P. O. Guide or Map	G, Rand McNally Atlas	H, U. S. Light List	
<u>Gaskins Point</u>	✓								1
<u>Tawes Creek</u>	✓								2
<u>Tawes Point</u>	✓								3
<u>Sandy Point</u>	✓								4
<u>Back Creek</u>	✓								5
<u>Craddock Neck</u>	✓								6
<u>Curratuck Creek</u>	✓								7
<u>Nandua Creek</u>	✓								8
<u>Cedar View Wharf</u>	✓								9
<u>Hyslop Marsh</u>	✓								10
<u>Chesapeake Bay</u>	✓								11
<u>Accomack County</u>	✓								12
<u>Northampton County</u>	✓								13
									14
									15
									16
									17
Note correction marked in direction notes =									18
Craddockville (no "s")									19
									20
									21
									22
									23
									24
									25
									26
									27

James L. Heckman 1/9/43

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, ~~marsh, and swamp limits~~, refer to the published quadrangle for the finally adopted positions. *outline or limits*

Descriptive Report.

Nautical Chart
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-G 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.

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 templates) 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- 8171

JAMESVILLE 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 the Descriptive Report for quadrangle T-8172 for a copy of the results of the nearest horizontal accuracy test.

The nearest vertical accuracy test was performed on the field edit sheet for quadrangle T-8174.

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-350	1:20,000	1851	
T-307	1:20,000	1852	
T-2654	1:20,000	1903-04	
T-2663	1:20,000	1904	
Onancock	1:62,500	1919	U.S.E.

Comparison with Nautical Charts No. 1223

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 minor changes in shoreline were apparent during comparison of this chart with the manuscript.

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

During investigation of the radial plot, errors in many of the radial points in excess of 2.0 mm. were apparent. It was found that the primary reason for these errors was due to inaccurate plotting of some of the triangulation and poor pricking of the control stations on the photographs. A new plot was laid in this area including this quadrangle. This quadrangle was then completely redetailed, after replotting all triangulation and repricking all pertinent control.

Reviewed 7/28/43 By Samuel H. Mosely
under direction of D. H. Benson *Sam H. S.*

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

Examined and approved:

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

J. S. Dondur
Chief, Div. of Charts

K. T. Adams
Chief, Topography Section

Raymond E. Egan
Acting Chief, Div. of Coastal
Surveys