

8131

Diag'd. on Diag. Ch. No. 1220-2 (Insert)

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photographic

Field No. CS-278-B Office No. T-8131

LOCALITY

State Maryland

General locality Chesapeake Bay

Locality Dividing Creek (Princess Anne)

194 2.

CHIEF OF PARTY

F.L.Gallen

LIBRARY & ARCHIVES

DATE June 14, 1949

8-1870-1 (1)

8131

DATA RECORD

T- 8131

Quadrangle (II): Dividing Creek

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

Field Office: Salisbury

Chief of Party: F. L. Gallen

Compilation Office: Baltimore

Chief of Party: Fred L. Peacock

Instructions dated (II III): March 4, 1942 *Filed in Div. of Photogrammetry Office Files*
 Mar. 27, June 5 & 24, Aug. 13, Sept. 4, 1942 ~~Copy filed in Descriptive~~
~~Report No. T- (VI)~~

Completed survey received in office: 10/21/42

Reported to Nautical Chart Section: 10/42

Reviewed: 3/6/43

Applied to chart No.

Date:

Redrafting Completed: 5/20/43

Registered: 12/29/44

Published: 10/19/43

Compilation Scale: 1:19,640

Published Scale: 1:31,680

Scale Factor (III): 1.018

Geographic Datum (III): N.A. 1927

Datum Plane (III): Mean Sea Level

Reference Station (III): McGrath, 1942

38° 13' 30.753" (948.2 m) 75° 35' 17.579" (427.5 m)
 Lat.: 38° 13' 30.754" (948.2) Long.: 75° 35' 17.567" (427.3)

Adjusted
~~Unadjusted~~

State Plane Coordinates (VI):

Maryland Coordinate system, single zone.

X/ =

Y/ =

Military Grid Zone (VI) A

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
8678 to 8680	4/14/42	11:31 A.M.	1:20.000	No tide water on sheet
8694 to 8696	4/14/42	11:37 A.M.	1:20.000	No tide water on sheet

Single lens photographs

Number	Date	Time	Scale	Stage of Tide
7-40	Unknown	Unknown	(1:60,000-enlarged to 1:20,000)	No tide water on sheet
7-42	"	"	"	"
7-44	"	"	"	"
7-46	"	"	"	"
8-18	"	"	"	"
8-20	"	"	"	"
8-22	"	"	"	"

Tide from (III): *No tidal waters*

Mean Range:

Spring Range:

Camera: (Kind or source) U.S.C & G.S. 9 Lens
*The single lens photographs were enlarged from 1:60,000 to 1:20,000
 Made by commercial contract with special single lens aerial mapping camera (focal length 4")*

Field Inspection by: J. Henningson

date: July, 1942

Field Edit by:

L. Chambers

date: Nov. 1942

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

Projection and Grids ruled by (III) Washington Office date: June 3, 1942

" " " checked by: Washington Office date: June 3, 1942

Control plotted by: Wm. H. Van Loon date: June 9, 1942

Control checked by: J. Edward Deal Jr. date: June 3, 1942

Radial Plot by: J. Edward Deal Jr. & J. Stienberg date: June 18, 1942

Detailed by: Donald M. Brant

date: July 1942

Reviewed in compilation office by: Henry P. Eichert

date: 1942

Elevations on Field Edit Sheet

checked by: Salisbury Office

date: Nov. 1942

STATISTICS (III)

Land Area (Sq. Statute Miles): 57

Shoreline (More than 200 meters to opposite shore): None

Shoreline (Less than 200 meters to opposite shore): None

Number of Recoverable Topographic Stations established: 3

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles: 18

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:

DATA RECORD T-8131

PHOTOGRAPHS

NUMBER	DATE	TIME	SCALE	ALTITUDE
8678 to 8680	4/14/42	11:31 A.M.	1:20,000	Unknown
8694 to 8696	4/14/42	11:37 A.M.	1:20,000	Unknown

No tide waters on this survey

Camera: U.S. Coast & Geodetic Survey nine lens. (Focal Length $8\frac{1}{4}$ ")
All negatives are on file in the Washington Office.

The following single lens photographs are also within the detail limits of this map manuscript:

7-40	7-46
7-42	8-18
7-44	8-20

8-22

These single lens photographs were enlarged from 1:60,000 to 1:20,000. Made by commercial contract with special single lens aerial mapping camera (focal length 4"). The date on which these photographs were taken is not known.

GENERAL INFORMATION

Contours by.....Lieut. Comdr. W.D. Patterson
Field Inspection by.....Lieut. Comdr. W.D. Patterson
Chief of Party.....Commander Fred L. Peacock
Projection by.....Washington Office.....June 3, 1942
Projection Checked by.....Washington Office.....June 3, 1942
Control Plotted by.....William H. VanLoon.....June 9, 1942
Control Checked by.....J. Edward Deal, Jr.....June 3, 1942
Radial Plot by.....J. Edward Deal, Jr. and
J. Steinberg.....June 18, 1942
to June 23, 1942
Radial Points Pricked by....William H. VanLoon.....June 19, 1942
Additional Radial Points Pricked by...William H. VanLoon
and Donald M. Brant.....July, 1942
Detail Inked by.....Donald M. Brant.....July 1 to Aug. 20, 1942
Scale.....1:20,000 x .982 = 1:19,640....Scale Factor 1.018
Time Required for Detailing.....45 Days

STATISTICS

Area (land).....57 Square Statute Miles
Shoreline (more than 200 m. from opposite shore).....None
Shoreline (less than 200 m. from opposite shore).....None

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-B, 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 the 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 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 ~~Temper~~ 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.

DESCRIPTIVE REPORT
TO ACCOMPANY
AIR PHOTOGRAPHIC SURVEY NO. T-8131
STATE OF MARYLAND
CHESAPEAKE BAY
DIVIDING CREEK (PRINCESS ANNE)

Date of this report

October 9, 1942

INSTRUCTIONS:

This rough draft map manuscript is part of the War Mapping Project CS-278, instructions for which are contained in the Director's letter dated March 4, 1942. This map manuscript falls within the sub-project division 278-B, Maryland. This 7½ minute manuscript is known as Dividing Creek Quadrangle, and is part of the 15' Princess Anne Quadrangle.

Supplemental instructions are contained in inter-office correspondence of March 27, June 5, and June 24, 1942.

FIELD INSPECTION:

Field inspection covering this survey was made by Lieut. Comdr. Wm. D. Patterson during the spring of 1942.

PHOTOGRAPHS:

The nine lens photographs were taken with the U.S. Coast & Geodetic Survey nine lens camera, (focal length 8¼"); Scale 1:20,000.

Other photographs were taken by a commercial firm with special single lens aerial mapping camera (focal length 4"). These single lens photographs were taken at 1:60,000 scale and enlarged to 1:20,000 scale. The single lens photographs were used by the field inspection party to ^{identify} ~~show~~ location of Bench Marks, Triangulation, ~~and the Single Lens Photographs.~~

CONTROL:

The control used on this map manuscript consists of four U.S. Coast & Geodetic Stations.

The triangulation stations listed as follows are within the detailed limits of this survey:

McGrath, 1942 Long, 1942
Parsons, 1942

CONTROL (CONT'D.)

One triangulation station, Gordy, 1942; falling outside the limits of this map manuscript, was used in orienting the photographs.

RADIAL PLOT:

The radial plot for this map manuscript was made from June 18, to June 25, 1942.

The radial plot for this map manuscript was made by the usual celluloid template method and was run in conjunction with surveys No. T-8132, T-8152, and T-8153. In addition to these four surveys, T-8133 and T-8151, which are a part of sub-project CS-278C, were included in order to make a junction with the adjoining sub-project on the west.

Good secondary control points were obtained from this radial plot, and are shown by double purple circles on this map manuscript.

On the North, Survey No. T-8123 was joined with this survey in establishing positions on the map manuscript of photograph centers which were near the junction of these two surveys. Survey No. T-8132 on the West, and Survey No. T-8153 on the South were similarly joined.

DETAIL:

This map manuscript was detailed according to the instructions for War Mapping Project CS-278. In general, the entire survey is covered by field inspection. Any discrepancies in field inspection or between office interpretation and field inspection are noted on a discrepancy overlay.

Roads: Roads are classified according to the field inspection. Classification followed military specifications, Plate 42-2194, Engineer Reproduction Plant, The War College, dated January 12, 1942.

Note: Some roads are not classified as they were not classified on the field inspection.

Wooded & Cultivated or Cleared Areas: Wooded areas have been outlined by a dashed, acid ink, black line, and the classification shown on the field inspection has been labeled inside the enclosed area.

DETAIL (CONT'D.)

Wooded & Cultivated or Cleared Areas (continued): Where no classification was given on the field inspection in wooded areas, the letter "T" was shown in that area.

Where cleared areas appeared inside the wooded areas, the symbol "CL" was shown in that area.

In marsh areas covered by woods, partial symbols have been shown, also tree classifications to indicate type of woods.

Drainage: Drainage was detailed according to the field inspection except where it could be readily interpreted by stereoscopic inspection of the office prints. Perennial drainage is shown by a full line. Intermittent drainage is indicated by a line consisting of alternate dashes and three dots. In cases where drainage was interpreted stereoscopically, in the compilation office, the dash-dot-dash symbol is used to indicate drainage not shown by field inspection.

Contours: Contours were located as indicated by the field ^{Party} inspection at 20 foot intervals. Contours are shown by a full line in red acid ink on the back of the map manuscript. This procedure was followed before the method of inking them on the front of the manuscript was adopted.

AZIMUTH MARKS:

Three geographic positions have been submitted on form No.567 for azimuth marks of the following stations:

Long, Az. Parson, Az.
 McGrath, Az.

COMPARISON WITH PREVIOUS SURVEYS:

There were no previous surveys available for comparison.

JUNCTIONS:

Junction with T-8123 is in agreement except for the following: Between Longitude 75° 31' and 75° 32', road omitted from T-8123; one limb of a 40-foot contour not in agreement.

Between Longitude 75° 32' and 75° 33', a stream and marsh area were delineated by stereoscopic examination of the office photographs. This stream was detailed beyond the limits of this quadrangle to make junction with T-8123; one limb of a 40-foot contour not in agreement.

JUNCTIONS: (CONT'D.)

Between 75° 35' and 75° 36', two limbs of a 40-foot contour missing; two limbs of a 40-foot contour not in agreement; stream and marsh area delineated by stereoscopic examination of the office photographs and were detailed beyond the limits of this quadrangle a sufficient distance to make junction with T-8123. All of the above discrepancies have been noted on the discrepancy overlay. It is recommended that they be adjusted in the course of the field edit. *Done by Field Edit.*

Survey No. T-8132 on the West side and Survey No. T-8153 to the South are in good agreement with this survey.

Junction has not been made with Survey No. T-8130 on the East as the detail has not been completed on that survey. Nevertheless, common points have been established to assure proper junction.
Junctions have been verified.

HORIZONTAL ACCURACY:

It is believed that well-defined points of planimetric detail are within the limits of error as contained in Paragraph 54 of instructions for War Mapping Project CS-278, dated March 4, 1942.

RECOMMENDATION FOR FUTURE SURVEYS:

It is believed that the detail, as presented on this survey, is complete, but it is to be field edited for corrections, deletions, and omissions.

Respectfully submitted,

Donald M. Brant

Donald M. Brant

Sr. Photogrammetric Aid

Reviewed,

Henry P. Eichert

Henry P. Eichert

Photogrammetric Aid

Approved, *10/29/42*

L. W. Swanson
L. W. Swanson, Lieutenant
U.S. Coast & Geodetic Survey

Approved and forwarded,

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

FIELD EDIT REPORT
Project CS-278-B
F.L. Gallen, Chief of Party
T-8131

1. This area consists mainly of high sandy soil with occasional streams, which are very densely wooded. Nearly all of this area which is not cleared, is densely wooded with heavy underbrush.
15. The bridges were classified by Wm. F. Doescher according to instructions.
18. The geographic names are the subject of a special report on Project CS-278-B.
46. The field edit for this quadrangle consisted mainly of a visual comparison in the field of the topographical features and the compilation. This work was performed by L. G. Chambers and Owen Rector. Information called for on overlay sheet has been noted directly on the compilation.

Additions were noted on the map manuscript in black ink, deletions in green ink, contours in brown ink, and political boundaries in purple ink. The power lines have been shown with a solid line with small circles. These should have been shown by a dashed line with dots.

47. The compilation is adequate except for the few minor changes noted.
48. For horizontal accuracy tests for this area refer to Quadrangles T-8153, T-8130 and T-8154. For a vertical accuracy test refer to Quadrangle T-8153.

Submitted by

L. G. Chambers per F.L.G.
L. G. Chambers,
Senior Photogrammetric Aid

Approved by

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

GEOGRAPHIC NAMES LIST FOR
QUADRANGLE T-8131

- ✓ Burks Mill Branch
- ✓ Burks Mill Pond
- ✓ Denney Branch
- ✓ Dividing Creek
- ✓ Dublin Swamp
- ✓ Furnace Branch
- ✓ Kings Creek
- ✓ Longridge Branch
- ✓ Milburn Branch
- ✓ Miller Branch
- ✓ Oakville
- ✓ Peggy Boston Swamp
- ✓ Pollitts Branch
- ✓ Pusey Branch
- ✓ Somerset County Line
- ✓ Tonys Branch
- ✓ Wellington State Game Refuge (Wellington Wildlife Demonstration area)
- ✓ West
- ✓ Whitesburg Pond
- ✓ Worcester County Line

*see approved list -
next page.*

2-27-43
Used in letter from State Game Warden.
Approved by [illegible] Promotion.

Remarks

Decisions

1		380755
2		381755
3	Recent decision	" USGB
4		382755
5	<i>This stream is not shown on this Quad</i>	381754
6	<i>May no longer exist</i>	381755
7		"
8		"
9	<i>Flows eastward (see T8130)</i>	381754
10	<i>May no longer exist.</i>	381755
11		"
12		381756
13	<i>Changed to: Wellington Wildlife Demonstration Area</i> <i>(see other list of geogr. Names in Descr. Report)</i>	"
14	<i>on west edge of quad.</i>	"
15	<i>See revision note on name list in earlier part of report</i>	"
16		382755
17		"
18		382754
19		382755
20		381757
21		
22		
23		
24		
25		
26		
27		

GEOGRAPHIC NAMES

Survey No. T-8131

DIVIDING CREEK quadrangle

No. 1 Name on Survey

	A.	B.	C.	D.	E.	F.	G.	H.	K.	
<u>Dividing Creek</u>	✓									1
<u>Pusey Branch</u>	✓									2
<u>Whiteburg</u>	✓									3
<u>West</u>	✓									4
<u>Milburn Branch</u>	✓									5
<u>Burk Mill Pond</u>	✓									6
<u>Burk Mill Branch</u>	✓									7
<u>Miller Branch</u>	✓									8
<u>Mire Branch</u>	✓									9
<u>Whiteburg Pond</u>	✓									10
<u>Tonys Branch</u>	✓									11
<u>Dublin Swamp</u>	✓									12
<u>Wellington State Game Refuge</u>	✓									13
<u>Peggy Boston Swamp</u>	✓									14
<u>Oakville</u>	✓									15
<u>Pollitts Branch</u>	✓									16
<u>Denney Branch</u>	✓									17
<u>Furnace Branch</u>	✓									18
<u>Longridge Branch</u>										19
<u>Kings Creek</u>	✓									20
<u>Worcester County</u>	✓									21
<u>Somerset County</u>	✓									22
<u>East Princess Anne No. 15</u>	✓									23
<u>Dublin No. 4</u>	✓									24
<u>Atkinsons No. 7</u>	✓									25
										26
										27

Recd 4/8/43

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8131

DIVIDING CREEK 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 - There is no horizontal accuracy test within the limits of this manuscript. Refer to quadrangle T-8153 for the closest horizontal accuracy test. The results of the test on this quadrangle were very satisfactory. There is no vertical accuracy test within the limits of this quadrangle. The closest vertical accuracy test is on quadrangle T-8153. This test showed original Previous Surveys field work to be adequate.

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.

There were no previous topographic surveys by this Bureau within the limits of this quadrangle.

"Princess Anne, Md.-Va." 1:62,500 1901 U.S.G.S.

T-8131 supersedes this Geological Survey quadrangle over the common area, except for the presence of 10, 30, and 50 foot contour lines.

Comparison with Nautical Charts No. 1224

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:

The western half of this quadrangle falls within the area covered by the chart. This area, however, has not been detailed on the chart. The quadrangle, therefore, may be applied when the chart is revised.

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

Only corrections of a minor nature were necessary on this manuscript.

Reviewed 3/6/43 By Jack Rich
under direction of D. H. Benson *D.H.B.*

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

Examined and approved:

~~Chief, Surveys Branch~~

for *W. M. Adams*
Chief, Div. of Charts

K.T. Adams
Chief, Topography Section
Division of Photogrammetry

W.M. Acaife
Chief, Div. of Coastal
Surveys

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.

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.

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.