

8307

Diag'd. on Diag. Ch. No. 78-3.

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photographic Topographic

Field No. _____ Office No. T-8307

LOCALITY

State Virginia
General locality Surry, Southampton and
Isle of Wight Counties

Locality Blackwater River
RAYNOR QUADRANGLE

194 4

CHIEF OF PARTY
F. L. GALLEN
Fred. L. Peacock

LIBRARY & ARCHIVES

DATE August 5, 1946

B-1870-1 (1)++

2038

DATA RECORD

T- 8307

Quadrangle (II): 7½ minute

Project No. (II): C.S. 289

RAYNOR N 3651.5 W 7645/7.5.

Field Office: Suffolk, Va.

Chief of Party: F. L. Gallen

Compilation Office: Baltimore, Md.

Chief of Party: Fred. L. Peacock

Instructions dated (II III):

Mar. 13, Oct. 20, and Nov. 25, 1943

Jan. 18, 1944

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

Completed survey received in office: 6/44

Reported to Nautical Chart Section: 8/44

Reviewed: 10/16/44

Applied to chart No.

Date:

Redrafting Completed: 3/45

Registered: 7/46

Published: 8/45

Compilation Scale: 1:20,000

Published Scale: 1:31,680

Scale Factor (III): None

Geographic Datum (III): N. A. 1927

Datum Plane (III):

Reference Station (III): BOBES, 1944

Lat.: 37° 01' 12.694" (391.3m) Long.: 76° 45' 34.230" (846.2m)

Adjusted
Unadjusted

Field Computation

State Plane Coordinates (VI): Va. South Zone

Plane Coordinates not yet computed 9/13/44

X =

Y =

Military Grid Zone (VI) A
Overlapping Zone B

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
12976 to 12978 Inc.	12/31/42	1:50 P.M.	1:20,000	There are no tidal waters within the limits of this Map Manuscript
12950 to 12952 Inc.	12/31/42	1:11 P.M.	1:20,000	
12904 to 12907 Inc.	12/31/42	12:09 P.M.	1:20,000	
Single lens 9"X9" F G 131-30 to 38	5/20/37	Unknown	1:20,000	

Tide from (III): None

Mean Range: None

Spring Range: None

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

Field Inspection by: G.B. Woolley, E.E. Nugent, H.F. Doescher, W.E. Clark, C.M. Darbey, L.C. Jenkins, S.C. Dionisio, K.W. Burr, H.M. Eldridge, date: March, April and May 1944

Field Edit by:

date:

Date of Mean High-Water Line Location (III): None

Projection and Grids ruled by (III) J:T.B. - B.R.C.

date: 4/21/44

" " " checked by: K.N.K.

date: 4/22/44

Control plotted by: E. Herman

date: 4/27/44

Control checked by: C. W. A. Supp

date: 4/29/44

Radial Plot by: Joseph Steinberg

date: 5/12/44 to 5/13/44

Detailed by: Ruth E. Rudolph

date: 5/13/44 to 6/6/44

Reviewed in compilation office by: Henry P. Eichert

date: 6/6/44 to 6/7/44

Elevations on Field Edit Sheet

checked by: M. V. Parker

date:

9/13/44

STATISTICS (III)

Land Area (Sq. Statute Miles); 55

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

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

Number of Recoverable Topographic Stations established; 21 (all bench marks)

Number of Temporary Hydrographic Stations located by radial plot; None

Leveling (to control contours) - miles;

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;

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

This quadrangle, together with similar adjoining maps produced under Project C.S.289-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.

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, driveways, 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.

FIELD INSPECTION REPORT
QUADRANGLE T-8307
Project CS-289-B
F. L. Gallen, Chief of Party

1. DESCRIPTION OF AREA:

The area covered by this quadrangle lies in Surry, Southampton and Isle of Wight Counties, Va. Everything east of the Blackwater River is in Isle of Wight County. Blackwater River enters the quadrangle in the northwest corner and runs in a southerly direction until it leaves the quad in the south central portion of the survey. The drainage pattern of Rattlesnake Swamp, Hickaneck Swamp, Terrapin Swamp, Mill Swamp, Pouches Swamp, Tucker Swamp, Villines Swamp, Warringue Branch and Pope Swamp form the secondary drainage pattern that feeds the Blackwater River. A large portion of the area is low and swampy, especially along the Blackwater River where a large amount of perennial swamp is found. Elevations range from 15 feet along the Blackwater River to around 90 feet in the higher land back from the swamp. There are no towns or villages of importance within the limits of this survey; however, Zuni, a small village, lies about a mile to the south and Ivor, another small village, lies about a mile to the west of the quadrangle limits. Farmland is found on the higher ground, while the lower areas are used by logging companies to cut hard wood. The major portion of the roads are secondary. U. S. highway No. 460 runs through the southwest corner of the quadrangle. It is a four-lane highway which is 42 feet wide. Highway No. 460 runs parallel to the Norfolk and Western Railway. A number of state and county roads are of macadam construction. Main roads have been designated on the photographs covering the area.

2. COMPLETENESS OF FIELD INSPECTION:

The field inspection is thought to be complete. All topographic features have been classified. The color scheme for the buildings that were inked on the topo photographs is as follows: dwellings (red), barns (purple), stores (green) and public buildings (blue). Only the buildings inked in are to be shown on the map drawing. Trails are shown by a dashed line, thus-----, and generally labeled "trail". The drainage and marsh areas as inked on the photographs is correct as shown. Highways and roads have been classified on the topo photographs. It is thought that all necessary information is shown on the field sheet that should be shown on the map drawing. Classification of bridges and culverts which have been designated on the photos, and any other small items erroneously omitted will be noted by the field edit party. When taking field detail from the single lens photographs along the east side of the quadrangle, the compiler should check with the nine lens photographs covering the area, as a number of items have been delineated on them by the field party. Timber lines should be taken from the nine lens photographs covering the area.

3. INTERPRETATION OF THE PHOTOGRAPHS:

The photographs for this quadrangle are typical to corresponding areas of this type. The evergreens show up in a darker color than the

3. INTERPRETATION OF THE PHOTOGRAPHS:

deciduous trees and are generally found on the higher ground. The bottoms of the larger creeks and rivers have only deciduous trees growing in them and show up in a grayish color, generally, bordered by a mixture of evergreen and deciduous trees. However, ordinarily, where perennial drainage stops no definite distinction in the surrounding vegetation can be noticed to the upper limits of the drains. As a whole, the marsh areas are easily identified. In some of the more heavily wooded areas good stereoptic effect was not obtained, due to the density of growth. In areas like these, a number of streams were located by planetable.

4. HORIZONTAL CONTROL:

The horizontal control stations for this area were recovered and pricked on photographs which were submitted to the compilation office in April 1944.

5. VERTICAL CONTROL:

Bench marks were recovered and pricked on photographs for the area, a part of which will be submitted with the level photographs during the time of compilation. Supplemental level lines were run over the main roads in this quadrangle to provide sufficient control for the planetable party. These lines were run by a separate party. Lines with a closure of less than .35 of a foot were not adjusted. Lines with a closure of more than .35 of a foot were adjusted. No lines had a closure over .60 of a foot.

6. CONTOURS AND DRAINAGE:

See report for T-8317.

7-13. The items under these headings in the field inspection report do not apply to this area.

14. ROAD CLASSIFICATION:

See report for T-8317.

15. BRIDGES AND CULVERTS:

See report for T-8317.

16. BUILDINGS AND STRUCTURES:

All buildings to be shown on the map drawing are indicated in the regular color scheme mentioned in part 2. Any building not inked in is to be deleted. These buildings are ones so badly "tumbled down" that they are beyond repair and will not last for more than a short period of time, or else they are too small to show. In the area covered by the single lens photographs, the nine lens photographs covering the area should be checked for additional detail.

17. BOUNDARY MONUMENTS AND LINES:

The channel of Blackwater River forms the boundary between Southampton and Isle of Wight counties. That portion of the county line between Surry, Southampton and Isle of Wight Counties, in the northwest corner of the quadrangle, has the boundary monuments shown on recovery photo. 12949 and topo photo. 13018. The county line may be drawn in on the compilation by locating these points and connecting them in a straight line.

18. GEOGRAPHIC NAMES: *LX*

See report for T-8317.

19. JUNCTIONS:

Junctions with quadrangle T-8308 on the west, T-8306 on the east, T-8292 on the south have been made and are in agreement. There are no recent surveys to the north and junction with T-8310 on the north should be made by the compilation office.

20. PHOTOGRAPHS USED:

Photographs used in surveying this area were Nos: 12904, 12905, 12906, 12907, 12950, 12951, 12952, 12976, 12977, 12978, 131-30, 131-31, 131-32, 131-33, 131-34, 131-35, 131-36, 131-37, 131-38, , , ,

Approved and forwarded by:

F. L. Gallen

F. L. Gallen
Chief of Party

Submitted by:

E. Earl Nugent

E. Earl Nugent
Sr. Photo. Aid.

PROJECT CS-289B

QUADRANGLE NO. T-6307

PROGRESS SKETCH

The layout below shows the relative areas worked by the following men:
Glenn B. Woolley Em. E. Clark Marvin C. Jenkins Wm. F. Doescher
E. Earl Nugent Orvis N. Dalbey Sam C. Dionisio Henry M. Eldridge
Morris W. Burr

ORVIS N. DALBEY

MORRIS W.
BURR

WILLIAM
DOESCHER

HENRY M.
ELDRIDGE

EARL E.
NUGENT

HENRY
M.
ELDRIDGE

GLENN WOOLLEY

MORRIS
W.
BURR

SAM. C.
DIONISIO

MORRIS
W.
BURR

C.
JENKINS

EARL E.
NUGENT

EM. CLARK

Contours & Field Inspection: March, April & May, 1944

26 CONTROL:

The Field Party recovered and identified the following horizontal control stations.

The only one falling within the limits of the Map Manuscript is:

P.T.S. 12 C, 1918 USGS

Those falling just outside the limits of the Map Manuscript are:

BOBBS, 1944
CENTRAL HILL, 1944
IVCR, 1944
P.T.S. 182, 1917 USGS
ZUNI WATER TANK, N.& W. R.R., 1944

The Field Party established field inspection stations at well defined points near several of the above horizontal control stations.

All of the above horizontal control stations were used to establish photograph centers, secondary control points and detail points.

27 RADIAL PLOT:

The Radial Plot for this Map Manuscript is part of Main Radial Plot No. 6 of Project C.S. 289, which will be described in Paragraph 27 of the descriptive report of Map Manuscript for Survey No. T-8291, which will be submitted to the Washington Office in the near future.

28 DETAILING:

The field inspection data furnished the Compilation Office were shown mostly on nine lens 1:20,000 field photographs, and a small amount on 9" X 9" 1:20,000 single lens photographs. It was in general, satisfactory.

Drainage wide enough to show both shores with

28 DETAILING: (Continued)

clarity have been detailed in black acid ink. All other drainage has been detailed in blue acid ink.

Tree areas have been shown with a symbol in green acid ink and classified according to instructions received from the Washington Office.

Bridges have been detailed but not classified, as the necessary data for classification were not furnished the Compilation Office. *Classified by Field edit party.*

Political boundaries have been detailed as shown on the field inspection photographs.

All boundary lines have been shown on the reverse side of the Map Manuscript in blue acid ink.

29 SUPPLEMENTAL DATA:

There are no previous surveys made by the U. S. Coast and Geodetic Survey, covering the area of this Map Manuscript.

30 LEAN HIGH-WATER LINE:

Not applicable.

31 LOW-WATER AND SHOAL LINES:

Not applicable.

32 DETAILS OFFSHORE FROM THE HIGH-WATER LINE:

Not applicable.

33 MARVES AND SHORELINE STRUCTURES:

Not applicable.

34 LANDMARKS AND AIDS TO NAVIGATION:

Not applicable.

35 HYDROGRAPHIC CONTROL:

Not applicable.

36 LANDING FIELDS AND AERONAUTICAL AIDS:

There are no landing fields or recommended aeronautical aids within the limits of this Map Manuscript.

37 DISCREPANCY OVERLAY:

A discrepancy overlay has been prepared to accompany this Map Manuscript. On it are notes which are deemed likely to be of assistance during any future field edit. A set of general notes is included to aid in the interpretation of the symbols shown on the Map Manuscript.

38 GEOGRAPHIC NAMES:

The results of a geographic names investigation were furnished the Compilation Office on a copy of the U. S. Geological Survey Ivor, Va. 15 minute quadrangle. Only the undisputed names have been shown on the Map Manuscript. A list of undisputed, disputed, and recommended names is attached to this descriptive report.

39 HORIZONTAL ACCURACY:

The horizontal accuracy of this Map Manuscript is believed to be within the limits set forth for well defined and less well defined points for War Mapping Projects.

40 RECOMMENDATIONS FOR FUTURE SURVEYS:

The planimetry as presented on this Map Manuscript, is believed to be complete, except as noted herein.

41 REMARKS:

The description, as furnished in the field

41 REMARKS: (Continued)

report, adequately describes the area of this Map Manuscript.

42 JUNCTIONS:

Satisfactory and complete junctions have been made with the following:

To the East with Map Manuscript for Survey No. T-8306
To the West with Map Manuscript for Survey No. T-8308
To the South with Map Manuscript for Survey No. T-8292

To the North there is no contemporary survey available to the Compilation Office for junction purposes.

43 RECOVERABLE TOPOGRAPHIC STATIONS:

Form 524 is being submitted for each of the twenty-one bench marks which were radially plotted on the Map Manuscript.

44 COMPARISON WITH EXISTING TOPOGRAPHIC SURVEYS:

Due to scale difference, only a visual comparison could conveniently be made with the U. S. Geological Survey Ivor, Va. 15 minute quadrangle. Common planimetric detail seems to be in good agreement.

45 COMPARISON WITH NAUTICAL CHARTS:

There are no nautical charts covering the area of this Map Manuscript.

Respectfully submitted:
June 7, 1944

Ruth E. Rudolph
Ruth E. Rudolph
Asst. Photogrammetric Aid

Map Manuscript, Discrepancy
Overlay and Descriptive Report
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:
June 9, 1944

Fred. L. Peacock
Fred. L. Peacock
Commander C. & G. Survey
Officer-in-Charge
Baltimore Photogrammetric Office

GEOGRAPHIC NAMES

Undisputed

- | | |
|------------------------------|----------------------------|
| ✓ Blackwater River | ✓ Pope Swamp |
| ✓ Broadwater Bridge | ✓ Proctors Bridge |
| ✓ Gwaltney Crossroads | ✓ Racetrack Road |
| ✓ Hickaneck Swamp | ✓ Rattlesnake Swamp |
| ✓ Isle of Wight County | ✓ Smithfield and Ivor Road |
| ✓ McClelland Road | ✓ Southampton County |
| ✓ Mill Swamp | ✓ Stallings Creek |
| ✓ Mill Swamp Church | ✓ Surry County |
| ✓ Norfolk and Western (R.R.) | ✓ Terrapin Swamp |
| ✓ Pig Swamp | ✓ Timber Swamp |
| ✓ Pons Road | ✓ Tucker Swamp |
| ✓ Pope Island | ✓ Villines Swamp |
| | ✓ Warricks Corner |

GEOGRAPHIC NAMES

Recommended

✓ Johnsons Corner

✓ McClelland

✓ Pouches Swamp

✓ Raynor

✓ Stotts Crossroads

✓ Warrick Branch

Disputed

Johnson Corners

(Sycamore Crossroads

(Ramsey Store

Passenger Swamp

Rayner

Stotts Corner

Warrigue Pranch

FIELD EDIT REPORT
TO ACCOMPANY
QUADRANGLE T-8307
PROJECT CS-289B

F. L. Gallen Chief of Party

5. The designation and elevation of each bench mark on the map manuscript have been checked and verified. One bench mark U.S.G.S. "76" 1918 was found to be incorrect and its true elevation has been noted on the map manuscript. It was also found that its location was incorrect and its correct position has been shown. The fly-level elevations will be checked by the Washington Office.
14. Unclassified roads appearing on the map manuscript were classified in accordance with instructions from Washington.
15. All bridges were classified in accordance with instructions from Washington.
17. The Southampton and Surry Counties boundary line shown on the map manuscript has been changed by the field edit party to conform with the line shown on T-8308. This change is explained in the report for T-8308. *The Reviewer plotted the boundary men. from photo 12949 and connected it with a straight line with the nearest men on T-8308. It was found that the line as drawn by Field Edit did pass 65m North of the men. M.V.P.*
46. The field edit was accomplished by visual inspection making all additions, corrections and deletions on an ozalid copy of the map manuscript and transferring this detail to another ozalid copy while inking. The following color scheme has been adhered to while inking.
 - Deletions Green
 - Additions and corrections Black
 - Political districts VioletNotes on the discrepancy overlay have been checked off in red ink.
47. The compiled detail on this map manuscript was complete and adequate with few additions or deletions necessary.
48. Two tests were made to determine the accuracy of contours in this quadrangle. Both tests were made on photographs used for fly-leveling and recovery. A planetable traverse was run across a representative portion of the sheet with side shots and short traverses taken to the side of the main traverse line. An effort was made to obtain elevations of such a density as to check both the horizontal and vertical discrepancies of the contours. In some cases short portions of the contours were accurately added.

48. Continued:

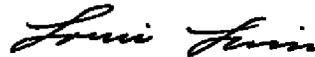
A check was run on photograph No. 12951 to check the contours of E. Earl Nugent, and on 12977 to check the contours of Henry M. Eldridge and Morris W. Burr. Both checks were run by Wm. A. Reynolds. The areas tested show that over 90% of the contour elevations are within $\frac{1}{2}$ contour interval of the true geographic position without any horizontal shift and no contours are out over, or, one contour interval.

It is recommended that the contours in this quadrangle be accepted as complying with the National Standard Map Accuracy requirements.

Horizontal accuracy tests were run in quadrangles T-8292 and T-8308.

49. Junctions have been checked with T-8306 on the east, T-8292 on the south and T-8308 on the west. No survey was made to the north of this quadrangle.

Submitted by:



Louis Levin
Sr. Photo. Aid

Approved and forwarded by:



F. L. Gallen
Chief of Party

T-8307

No.1

Remarks.

Decisions

1		USGB
2		
3		
4		
5		
6		Road Maps
7		"
8		Railway Guide
9		
10		
11		
12		
13		368767
14		"
15		368768
16		"
17		"
18		"
19	Use this form pending US GB decision	"
20		369768
21		"
22		369767
23		369768
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8307

RAYNOR quadrangle

1 Name on Survey

	A	B	C	D	E	F	G	H	K
	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	
Virginia	✓	✓							1
Surry County	✓	✓							2
Southampton County	✓	✓							3
Isle of Wight County	✓	✓							4
Blackwater River	✓	✓							5
U.S. No. 460	✓	✓							6
Va. No. 312	✓	✓							7
Norfolk & Western Railway	✓								8
Blackwater District	✓		(Surry County)						9
Berlin and Ivor District	✓		(Southampton County)						10
Hardy District	✓		(Isle of Wight County)						11
									12
Pinegrove Tabernacle	✓	✓							13
Shiloh Baptist Church	✓	✓							14
Pope Swamp	✓	✓							15
Pope Island	✓	✓							16
Tucker Swamp	✓	✓							17
Pig Swamp	✓	✓							18
Warrick Branch	✓	✓							19
Broadwater Bridge	✓	✓							20
Warrick Corner	✓	✓							21
Villines Swamp	✓	✓							22
Rattlesnake Swamp	✓	✓							23
Timber Swamp	✓	✓							24
Hockaneck Swamp	✓	✓							25
Terrapin Swamp	✓	✓							26
Proctors Bridge	✓	✓							27

apparently misplaced on field edit sheet,
as Tucker Swamp should be just on south
edge of sheet, and Pig Swamp next north

Remarks

Decisions

	Remarks	Decisions
1		369768
2		"
3		"
4	Use this name pending USGB decision	"
5		"
6		369767
7		"
8		"
9		"
10		"
11		"
12		"
13		369768
14		369767
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26		
27		

GEOGRAPHIC NAMES

Survey No. T-8307

2	Name on Survey										
		A	B	C	D	E	F	G	H	K	
		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		
	Johnson Corner	✓	✓								1
	McClelland Road	✓	✓								2
	Mill Swamp Church	✓	✓								3
	McClelland	✓	✓								4
	Godwin School	✓	✓								5
	Mill Swamp	✓	✓								6
	Pouchea Swamp	✓	✓								7
	Stallings Creek	✓	✓								8
	Gwaltney Crossroads	✓	✓								9
	Raynor	✓	✓								10
	Stotts Crossroads	✓	✓								11
	Racetrack Road	✓	✓								12
	Smithfield and Ivor Road	✓	✓								13
	Pons Road	✓	✓								14
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											M 234

Names underlined in red approved
by L. Heck on 1/31/45

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, outlines.

Descriptive Report.

Division.

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 Section.

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.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8307

RAYNOR 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

The nearest horizontal accuracy tests were run in quadrangles T-8292 and T-8308.

Two vertical accuracy tests were run in this quadrangle and found to be satisfactory. See Item 48 in the Field Edit Report enclosed in this Descriptive Report.

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.

There are no previous topographic surveys in this area.

Comparison with Nautical Charts Nos.

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:

No nautical charts cover this area.

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 during the review of this map manuscript.

Reviewed Sept. 13, 1944 By M. Virginia Parker
under direction of D. H. Benson (per D.H.)

Inspected by B. G. Jones B.G. Jones 7/2/46

Examined and approved:

K.T. Adams
Chief, ~~Surveys Branch~~
Division of Photogrammetry

~~Chief, Topography Section~~

Robert W. Kent
Chief, Div. of Charts
Nautical Chart Branch

Raymond B. Egan
Chief, Div. of Coastal
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