

8340

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

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic Quadrangle

Field No. 289-W-2 Office No. T-8340

LOCALITY

State Virginia

General locality South of Rappahannock

Locality Saluda and Vicinity

1942-'46

CHIEF OF PARTY

R.L. Shoppe

LIBRARY & ARCHIVES

DATE November 1, 1949

B-1870-1 (1)

8340

DATA RECORD

T- 8340

Quadrangle (II): Saluda, 7½ min.

Project No. (II): 289 W-1

Field Office: ~~Washington Office~~ Chief of Party: ~~Captain K. T. Adams~~ *R.L. Shoppe*Compilation Office: Washington Chief of Party: ~~Captain K. T. Adams~~ *G.C. Tewinkle*

Instructions dated (II III):

See field inspection report copy,
filed in descriptive report for T-8339Copy filed in *Division of*
~~Report No. T-8339 (VI)~~*Photogr. Office Files*Completed survey received in office: *✓ 10/9/46*Reported to Nautical Chart Section: *✓ 10/14/46*Reviewed: *✓ 11/27/46*

Applied to chart No.

Date:

forwarded to U.S.G.S. - 6/26/47
Redrafting Completed: *_____*Registered: *10/17/46*

Published:

Compilation Scale: 1:20,000

Published Scale: *1:24,000*
~~1:25,000~~

Scale Factor (III): 1.00

Geographic Datum (III): North American
1927

Datum Plane (III): MSL

Reference Station (III): CASH, 1942

Lat.: 37° 32' 05.259m.

Long.: 76° 32' 46.282m

Adjusted
~~Unadjusted~~

State Plane Coordinates (VI): Virginia South State Grid

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
12679-82	11-28-42	3:06	1:20,000	1.4' above MLW
12865-89	12-31-42	11:10	1:20,000	0.2' above MLW

MHW line is about 1.4 ft. above MLW

Tide from (III): URBANNA - Reference Station Hampton Roads, Virginia

Mean Range: 1.6 ft.

Spring Range: 1.9 ft.

Camera: (Kind or source) U.S.C. & G.S. Nine-lens

Field Inspection by: Comdr. Ray L. Shoppe
Vertical Control: H. R. Cravat

date: 1944
Summer 1945

Field Edit by: *Robert A. Horn*

date: *October, 1946*

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

Projection and Grids ruled by (III) Ruling Machine
S. Rose

date: May 1945

" " " checked by:

date:

Control plotted by: A. H. Faulds

date: June 1945

Control checked by: G. B. Willey

date: June 1945

Radial Plot by: A. H. Faulds and G. B. Willey

date: June 1945

Detailed by: Stereocartograph:

date: April 1945

O. N. Dalbey

W. D. Harris

Reviewed in compilation office by:

date: Nov. 1946

Manuscript
Harold R. Brooks

Elevations on ~~Field Edit Sheet~~

checked by: *Harold R. Brooks*

date: *11/26/46*

STATISTICS (III)

Land Area (Sq. Statute Miles): 57 square miles

Shoreline (More than 200 meters to opposite shore): about 7 miles

Shoreline (Less than 200 meters to opposite shore): about 5 miles

Number of Recoverable Topographic Stations established: None

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles: about 75 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:

OUTLINE OF OPERATIONS

PROJECT 289W-1

(INCLUDING QUADRANGLE T-8340)

① This project, CS 289W-1, originally was part of war mapping Project CS 289, which involved the production of 7½-minute topographic quadrangles by photogrammetric methods, but with all contouring by planetable.

② In the winter of 1943-4 it was decided by the War Department that all field work would be discontinued July 1, 1944. Since the entire project 289 could not be completed, it was subdivided and on subproject 289W, which included quadrangle T-8340, field work was limited to the identification of horizontal control, the recovery of existing bench marks, and the field inspection and clarification of photographic details. This limited field work was completed. The instructions for field work for subproject 289W, dated March 13, 1944, are filed in the Photogrammetric Section.

③ After July 1, subproject 289W was further divided into two subprojects, within which all remaining work for the production of standard 7½-minute quadrangles will be completed by the U. S. Coast and Geodetic Survey. See attached layout. These subprojects are:

(a) 289W-1: (including quadrangle T-8340) In this subproject contouring will be accomplished on the stereocartograph (nine-lens plotting instrument). Field work on this subproject is being directed from the Washington Office.

(b) 289W-2: Quadrangles on this subproject are being compiled in the Baltimore Photogrammetric Office by the usual graphic methods and the contouring is being accomplished by planetable.

④ The field inspection report for subproject CS 289W containing a list of recommended landmarks and a report on the identification of horizontal control for each quadrangle is filed in the ~~Review Unit~~, Photogrammetric Section. *General Files*.

⑤ The completion of subproject 289W-1 will require field work in addition to that accomplished on project 289W. This additional field work will include:

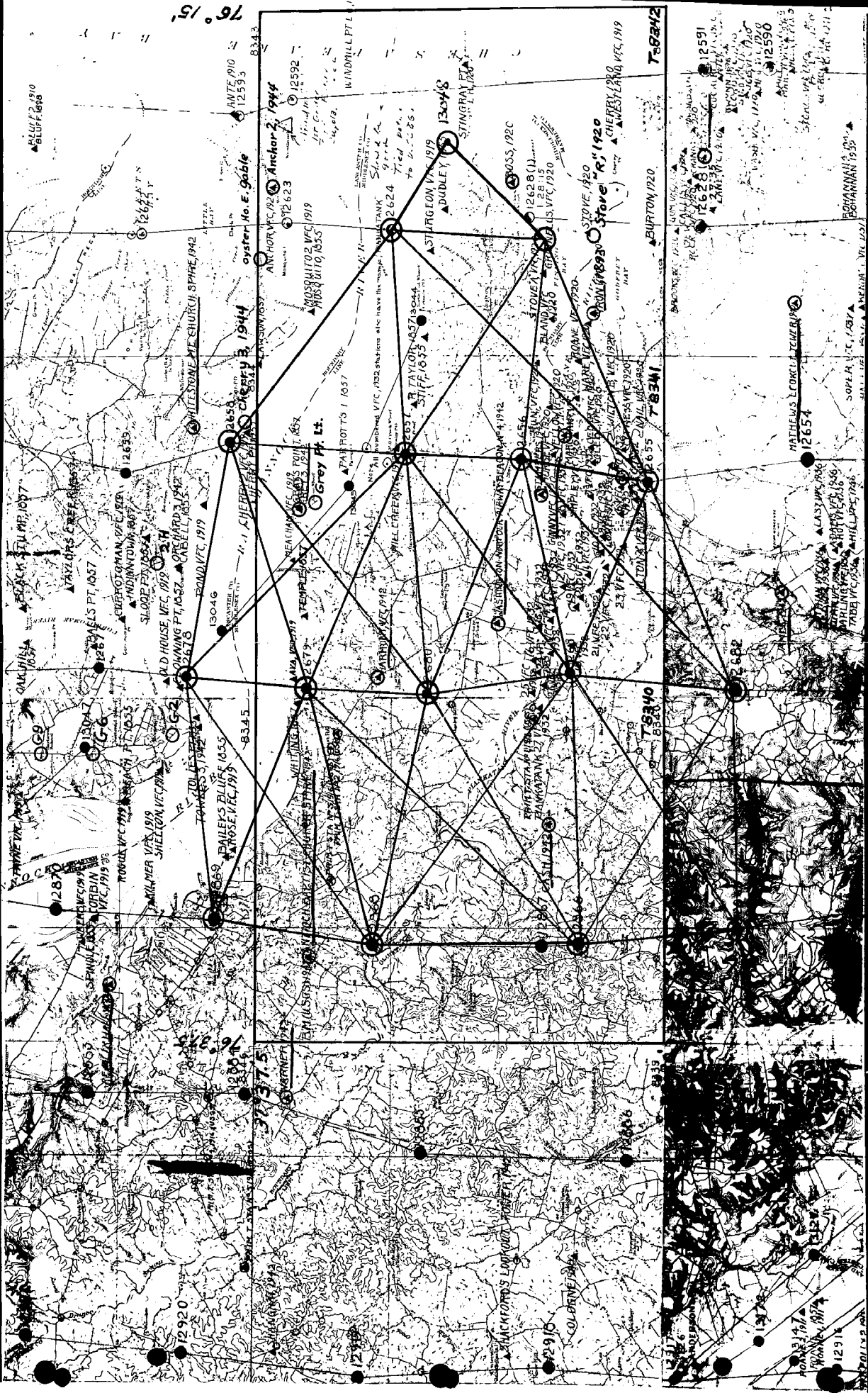
(a) The establishment of permanent third-order level lines.

- (b) Fourth-order levels for vertical control for stereoscopic instrument contouring.
- (c) Reidentification of horizontal control in some instances.
- (d) Field edit of the compiled manuscripts and vertical accuracy tests.

⑥ Copies of the instructions for this additional field work dated November 14, 1944 and December 5, 1944 are filed in the Photogrammetric Section. This additional field work was started in the autumn of 1944, was continued through the winter, and will continue through most of the calendar year 1945. This field work is being directed by the Topography Section, Division of Coastal Surveys, with the exception that the Chief of the Baltimore Photogrammetric Office is disbursing officer for the party. At this time Mr. Harland R. Cravat is chief of the field party.

⑦ With particular reference to quadrangle T-8340, the field work accomplished on subproject 289W included the classification of roads, buildings, bridges and woodland; identification of streams, and swamp and marsh areas; recovery and identification of horizontal control, identification of political boundaries; and partial investigation of geographic names. The additional field work accomplished under subproject 289W-1 included ~~approximately 100 miles of trigonometric levels and approximately 25 miles of barometric levels. A brief report on the leveling is attached.~~ *supplemental levelling for vertical control. This was done by trigonometric methods.*

(Signed) B. G. JONES



76° 15'

8343

8342

8341

8340

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8300

Photograph and Control

Index

for

T-8340, 41 & 42

COMPILATION REPORT T-8340

26. Control:

Control within the area covered by T-8340, T-8341, T-8342, which was used:

- * ANCHOR 2, 1944
- ANTILOCK BAPTIST CHURCH SPIRE, 1942
- BOSS, 1920
- * CASH, 1942
- * GINNY, 1920
- GREY POINT LIGHT, 1944
- * GREY 3, 1942
- * HARMONY, 1942
- IRON, 1893
- * MOSQUITO 3, 1944
- SOUTH GABLE OYSTER HOUSE, 1944
- * STAMPERS, 1942
- STOVE "R", 1920
- WASHINGTON - NORFOLK AIRWAY BEACON 4, 1942
- * WILTON "A", 1920

Control, outside of the area, which was used:

- ARK LOOKOUT TOWER, 1942
- * CHERRY 3, 1944
- * JAMES, 1942
- * LEVY, 1920
- MATHEWS LOOKOUT TOWER, 1942
- REMLICK HALL W. T., 1942
- * WARNER, 1942
- WHITESTONE M. E. CHURCH SPIRE, 1942
- * WOODS, 1942
- 2-G
- 6-G
- 9-G
- 2-H

Note: (*) indicates that a field inspection point was used.
G traverse extends from "Towles 3, 1942" to "Washington - Norfolk Airway Beacon 6, 1942".
H traverse is a short unclosed line at "Orchard 3, 1942"

Horizontal Control: There are fifteen U. S. C. & G. S. triangulation stations in the area covered by these three quadrangles, (T-8340, T-8341, T-8342) and thirteen other triangulation stations and traverse points which surround the area and were used in this radial plot.

All of these stations were identified satisfactorily and were "held" with the exception of "MOSQUITO 3, 1944" which was misidentified, and "LEVY, 1920", a Virginia fish Commission Station.

All control was either pricked direct or else a field inspection point was used. No stations were located by reference points which depend for their accuracy upon the scale of the photographs and the precision with which the distances are measured. A graphic index showing the distribution of control and photographs has been included in this report.

Vertical Control: Spirit levels, trigonometric levels, and barometer elevations furnished one hundred or more miles of level lines for this quadrangle. Elevations were obtained about every half mile along level lines, which were run on roads at approximate intervals one mile. For large areas in which no roads existed, spot elevations were obtained.

In general, the vertical control was sufficient. But there were instances where more control in particular small areas would have been beneficial. Such control would perhaps have been impractical to obtain since the places were usually wooded areas where the cost would have been comparatively large, the identification of suitable points questionable, and the ultimate value doubtful. Considering the quadrangle as a whole, fewer elevations possibly could have been supplied, but all were used to an advantage. With more careful planning, these points would have been more exacting and the reduction of total mileage doubtful.

27. Radial Plot:

This sheet was plotted with T-8341 and T-8342 to complete a strip east of T-8339. The plot made satisfactory junctions with the following quadrangles:

T-8339 T-8344 T-8343

The following twenty metal-mounted 1:20,000 scale nine-lens photographs were used, extreme care having been exercised in the transforming process since they were to be used for instrument contouring as well as for the radial line plot:

12655-12658	12624	12626	12868	13048
12678-12682	12865	12866	12869	

The methods used in the laying of this radial plot were same as for quadrangle T-8339. A detailed description will be found in the "Descriptive Report" for that sheet.

A sketch is included in the original copy of the report showing the control stations, photographs, and azimuth lines.

28. Detailing:

Both planimetry and contours were compiled with the stereocartograph. Shoreline detail was taken directly from the field inspection photographs. Woodland types and boundaries were also compiled directly from the photographs. A detailed discussion of the methods is included in the descriptive report for sheet T-8347.

30. Mean High-Water Line:

The field inspection of the high-water line was shown on 1:20,000 scale photographs which were taken at high-tide.

31. Low-water and Shoal Lines:

The shoal line was delineated with the stereocartograph with reference to the field inspection photographs. This line appeared on the photographs at the outer limit of the shallow water area and is shown on the map sheet with a fine dashed line offshore.

44. Comparison with Existing Topographic Quadrangles:

The manuscript compared satisfactorily with U.S.G.S. Urbanna 15-minute quadrangle, 1907, reprinted in 1934. Numerous small changes are noted.

45. Comparison with Nautical Charts:

The manuscript compared satisfactorily with the Coast and Geodetic Survey nautical chart No. 504, 1:40,000, 1939.

G. C. Tewinkel

G. C. Tewinkel
19 November 1946

GEOGRAPHIC NAMES

Survey No.

T-8340

SALUDA 7 $\frac{1}{2}$ ' quadrangle

1	Name on Survey	A	B	C	D	E	F	G	H	K	
	Virginia										1
	Middlesex County										2
	Pine Top District										3
	Saluda District										4
	Gloucester County										5
	Petersworth District										6
	Ware District										7
	Rappahannock River										8
	Piankatank River									USGB	9
	U.S. 17 George Washington Memorial Highway										10
	Tidewater Trail										
	Sta. Nos. 33, 198, 227										11
	plus county roads as shown										
	Hornets Nest										12
	Olive Branch M.E. Church										13
	New Unton										14
	Harcum										15
	Harper Creek										16
	(recent USBCN decision)										
	Freeport										17
	Freeport Road										18
	Anderson Point										19
	Gallaman S amp										20
	Foxes Creek										21
	Cash										22
	Carvers Creek										23
	Pampa										24
	Pampa Road										25
	Mt. Zion Baptist Church										26
	Salem Methodist Church										27

GEOGRAPHIC NAMES

Survey No.

T-8340

GEOGRAPHIC NAMES											
Survey No.											
T-8340											
Name on Survey		A	B	C	D	E	F	G	H	K	
2											
	Haines Pond ✓										1
	South Pond ✓										2
	Dutton ✓										3
	Dragon Road ✓										4
	St. Andrews Church (Abd) (south of Glenns)										5
	Glenns ✓										6
	Zion Branch ✓										7
	Dragon Swamp ✓ (upper part, Dragon Run, is much west of this sheet)										8
	Meggs Bay ✓										9
	Courthouse Swamp ✓										10
	My Ladys Swamp ✓										11
	Healys ✓										12
	Healys Pond ✓										13
	Nohead ✓										14
	Deltaville Road ✓ (State 33)										15
	Mill Road ✓										16
	Locust Hill ✓										17
	Mill Road School X (temporary building)										18
	Cooper ✓										19
	Burhans Wharf ✓										20
	Whiting Creek ✓										21
	Christ Church ✓										22
	Rosegill Lake ✓										23
	Christ Church P.O. ✓										24
	Calvary Church ✓										25
	Christ Church Episcopal Church ✓										26
	Christ Church School ✓										27

M 234

GEOGRAPHIC NAMES

Survey No. T-8340

3	Name on Survey	A	B	C	D	E	F	G	H	K	
	<u>Cooks Corner</u> ✓										1
	<u>Middlesex Training School</u> ✓										2
	<u>Stormont</u>										3
	<u>Urbanna Creek</u> ✓									USCB	4
	<u>Saluda</u> ✓										5
	<u>Middlesex County Courthouse Court House</u> X										6
	<u>Saluda Baptist Church</u>										7
	<u>Saluda Antioch Baptist Church</u>										8
	<u>Centenary M.E. Church, South</u>										9
	<u>Glebe Swamp</u> ✓										10
	<u>Jones Store</u> ✓										11
	<u>Saluda High School</u> ✓										12
	<u>Immanuel Baptist Church</u> ✓										13
	<u>Zion Branch Baptist Church</u> ✓										14
	<u>Lovers Lane Road</u>										15
											16
											17
	<u>Big Neck</u>										18
											19
											20
											21
											22
											23
											24
											25
											26
											27

(see item No. 4 in names section Field Edit Report; may be shown on field edit copy)

Names underlined in red approved
by L. Heck on 5/17/47

FIELD EDIT REPORT

T-8340, Saluda Quadrangle, (3730/7630/7.5)

Project CS 289 W-1

Robert A. Horn, Chief of Party

This field edit survey was made between September 3, 1946 and October 3, 1946 by Robert A. Horn, Photogrammetrist, in accordance with The Director's Field Edit Instructions dated August 24, 1945.

46. Methods

All delineated data such as roads, structures, contours, and drainage were checked by riding or walking over the roads and trails in this quadrangle. The shoreline and off-shore details were checked by walking along the shore or by inspection of details from a strategic position from which a large portion of the river and shoreline was visible. Geographic names and political boundaries were checked with local residents, posted signs, county records and officials. One test profile was made on the northern edge of the sheet in addition to three vertical accuracy tests in other areas in the determination of the adequacy of contours. Many spot checks of contours were also made.

All results of the field edit survey are shown on the field edit sheet and reference is made on this sheet to a photograph on which the correction or addition can be determined. The positions of such detail on the field edit sheet are approximate; the photograph indicated should be consulted for exact locations.

Information obtained during the field edit survey is as follows:

4. Horizontal Control

No discrepancies were noted in any points of Horizontal Control.

5. Vertical Control

BM V-290 should be relocated approximately 300' southeast, along highway # 629, in the southeast corner of the intersection of a road 4 and highway # 629

BM T-295 should be located opposite a lane, on the south side of highway # 601.

There were no other discrepancies.

6. Contours and Drainage.

Contours on this sheet appeared adequate. Several isolated contours were added and the shapes of a few contours adjusted. In the north-central sector of this quadrangle, where the plotters experienced some difficulties, a test profile was run. It is felt that with the corrections and additions shown, plus the information supplied by the test profile and accuracy tests, the contours on this sheet can be adjusted so that they are well above allowable limits.

Drainage appeared adequate. Two minor changes were necessary in the locations of drains. One at the point where highway # 198 crosses Harpers Creek, approximately $\frac{1}{2}$ mile northwest of Harcum. The second change was at the point where highway # 601 crosses Carvers Creek, approximately $\frac{3}{4}$ mile northwest of Cash. The two branches of this stream join 50' west of the bridge. There are no other changes in drainage recommended.

9. Wharves and Shoreline Structures

Burhans Wharf at Cooper, on the Rappahannock River, consists merely of old piling remains. This is true of all other docks and piers noted as being in ruins.

Several additions and deletions of small piers are noted on the sheet.

10. Details Off-shore from High Water Line.

In the Rappahannock River, near the northern limits of the sheet, a diving platform has been located. In the same river, approximately due north of Christ Church P.O., a duck blind has been located.

In the Plankatank River, near the geographic center of the sheet, a few piling (remains of an old bridge) are indicated.

11. Landmarks and Aids to Navigation.

In the Rappahannock River, off the mouth of Whiting Creek, the position of a Black Can has been indicated. The number of the can could not be distinguished or determined in the field.

14. Road Classification

A few road classifications were changed. Several additions, corrections, and completions are also indicated.

15. Bridges.

The positions of several bridges have been indicated on the sheet. It should be noted that the concrete bridge on highway # 198, crossing Harpers Creek, is only 42' long. No other discrepancies were noted.

16. Buildings and Structures.

It was necessary to add a number of buildings due to new construction. However the majority of the additions, and deletions, were the result of direct disagreement with the buildings and structures selected during field inspection. It appeared as though the field inspection man either adhered to a much too rigid standard, or did not have sufficient time to devote to his selections. The latter cause is suspected as being the restricting influence.

17. Boundary Monuments and Lines.

There were no discrepancies noted in Boundary Monuments or Lines.

A thorough investigation was made in an attempt to determine the limits of the settlement of Saluda. However, from County Officials it was learned that there is no actual descriptions of such boundaries since there never has been any legislative action determining said lines. At present the lines considered as indicating the confines of the settlement are of a flexible and somewhat arbitrary nature, determined by the positions the Virginia Department of Highways erects its signs. The locations of these signs are indicated on the discrepancy sheet.

18. Geographic Names. 814

These names, and changes of same, were all checked with either county records or local residents and posted signs. The changes and additions are as follows:

1. Change "Zion Baptist" to "Zion Branch Church".

References:

- (a) Mr. Henry Miles, Jr., Laborer, Saluda P.O., Va.
- (b) Mrs. Charles Taylor, Homemaker, Saluda P.O., Va.

2. Change "Johnes Store" to "Jones Store".

References:

- (a) Mrs. A.B. Smith, Homemaker, Saluda P.O., Virginia
- (b) Mrs. Pearcie Scott, " " " "

3. Add "Immanuel Baptist Church"

References:

- (a) Mr. Alex Roane, Painter, Saluda P.O., Virginia.
- (b) Mrs. Pearceie Scott, Homemaker, Saluda P.O., Va.

4. Add "Big Neck", a local name for a wooded area.

References:

- (a) Mrs Laura Davis, Homemaker, Healy P.O., Virginia.
- (b) Mr. D.C.Apsley, Storekeeper, Locust Hill P.O., Va.

5. Change "Healys Creek" to "Healys Pond".

- (a) Mrs L.M.McGeorge, Storekeeper, Healys P.O., Va.
- (b) Mrs Laura Davis, Homemaker, Healys P.O., Virginia.

6. Delete "The Piankatank Road". Local residents donot use that name(nor any other).

References: Same as # 5

7. Add "Mill Road".

References : Same as # 5

8. Change "Harper Creek" to "Harpers Creek".

Change "Galony Swamp" to "Gallamans Swamp".

References:

- (a) Mrs J.W.Ward, Storekeeper, New Upton P.O., Virginia
- (b) Mr. R.C.Brown, Storekeeper, Pinero P.O., Virginia.
- (c) Mr. Roane, County Clerk, Gloucester Courthouse, Va.

9. Change "Harpers" to "Hornets Nest".

References: Same as # 8

10. Change "Centeary M.E.Church, South" to "Centenary M.E. Church, South".

-- This information was taken directly from a marker on the church.

47. Adequacy of Compilation.

The compilation appears adequate and complete on this quadrangle sheet.

48. Vertical Accuracy Test.

One test profile, although not an accuracy test because the plot was admittedly weak, was made to supply information. Tabulated results of this profile are as follows:

65- Points tested

5 - Points in error over $\frac{1}{2}$ contour interval

25 - Points in error over a full contour interval

54% of all points tested were within $\frac{1}{2}$ contour interval.

Vert. Clos. - 0.4'

Horiz. Clos. - 0.3mm

The results of Accuracy Test # 1 are as follows:

11 - Points tested
100% of all points tested were within $\frac{1}{2}$ contour interval.
Vert. Clos. - 1.9' Horiz. Clos. - 0.42mm

The results of Accuracy Test # 2 are as follows:

22 - Points tested
4 - Points in error over $\frac{1}{2}$ contour interval
0 - Points in error over a full contour interval
82% of all points tested were within $\frac{1}{2}$ contour interval
Vert. Clos. - 0.1' Horiz. Clos. - 0.38mm

The results of Accuracy Test # 3 are as follows:

27 - Points tested
2 - Points in error over $\frac{1}{2}$ contour interval
0 - Points in error over a full contour interval
93% of all points tested were within $\frac{1}{2}$ contour interval
Vert. Clos. - 0.4' Horiz. Clos. - 0.47mm

Results of the Accuracy Tests combined:

60 - Points tested
6 - Points in error over $\frac{1}{2}$ contour interval.
0 - Points in error over a full contour interval.
90%* of all points tested were within $\frac{1}{2}$ contour interval.

49. Review of First Proof.

Mr. E. M. DeBusk, County Farm Agent, Saluda, Virginia has been requested to review one of the first proofs of this quadrangle. Mr. DeBusk works daily in and about this area and is consequently very familiar with the locality. It is felt that he is well qualified to make the review.

Respectfully submitted,

Robert A. Horn

Robert A. Horn
Photogrammetrist

* In arriving at the above results the apparent vertical error has not been decreased by assuming a horizontal displacement within the permissible horizontal error for the Map scale. Even so the results are equal to National Standards of accuracy.

TRP

Division of Photogrammetry

Review Report of

Map Manuscript T-8340

Paragraph numbers not used in this review have been adequately covered in other parts of this report. The planimetry and topography shown on this manuscript are complete and are in accordance with project specifications.

26. Control.

Three triangulation stations that have been used to control this manuscript but which were not mentioned in the Compilation Report are:

P.T.S. #1, 1916, (U.S.G.S.)
P.T.S. #2, 1916, (U.S.G.S.)
Plankatank 27, 1932 (V.F.C.)

28. Detailing.

Many discrepancies were found in the detailing along the neat line, especially in regards to woodland and fourth class roads. It appears that the compiler made no attempt to complete the junctions between this manuscript and the adjoining one. All discrepancies have been reconciled.

32. Details Offshore from the High Water Line.

The field edit sheet of this manuscript supplied positions in the Rappahannock River, supposedly by planetable methods, for the following three objects: diving platform, duck blind, and black can buoy. The first two have been mentioned in the Field Edit Report and the buoy appears on the nautical charts of the area. All three objects are shown on the manuscript in the position supplied by the field editor.

44. Comparison with Existing Topographic Quadrangles.

This survey was compared with the following surveys and it supersedes them in all common areas for charting purposes:

T-1100	1:20,000	1869
T-603	1:10,000	1856
T-659	1:10,000	1857
T-2870	1:20,000	1907-8

Comparison was also made with the U.S.G.S. 7½-minute Urbanna, Va. Quadrangle, scale 1:62,500, dated 1917 and reprinted 1944, and the following discrepancies were noted: Turko Ferry Bridge across the Piankatank River is indicated as ruins on the manuscript. The road running south from this bridge is non-existent on the map for a distance of approximately 2000 feet.

45. Comparison with Nautical Charts.

This survey has not been applied to nautical charts as of the date of this review report. It was compared with nautical charts Nos. 534, 535, and 1223, and the following differences were found:

No. 534 - Two piers on the Rappahannock River, now in ruins, appear on the manuscript but not on the chart.

My Ladys. Swamp appears on the map but not the chart. Healys Pond is now dammed north of State Route 629 and its shape has changed completely from that shown on the chart.

No. 535 - Four piers (two in ruins) on the Rappahannock River appear on the manuscript but not on the chart. A large pier, known as Burhans Wharf, shown on both, is now in ruins.

47. Comparison with Test Profile.

One small section around Urbanna Creek was very difficult to contour by the stereoscopic instrument. The field editor ran a test profile across this area and with the elevations thus supplied, the reviewer was able to adjust the contours. The compilation is now adequate and will meet the National Standards for Map Accuracy.

Reviewed by:

Reviewed under direction of:

Harold R. Brooks
Harold R. Brooks
Photogrammetrist 11/27/46

S. V. Griffith
S. V. Griffith
Chief, Review Section

APPROVED BY:

B.G. Jones 11/49
Technical Assistant to the
Chief, Div. of Photogrammetry

H.R. Edmonston
Chief, Nautical Chart Br.
Division of Charts

O.S. Reading 25 Oct 49
Chief, Div. of Photogrammetry

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