

8234

8234

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey <u>Air Photo. Compilation</u>	
Field No.	Office No. <u>T-8234</u>
LOCALITY	
State <u>South Carolina</u>	
General locality <u>Berkeley County</u>	
Locality <u>Shulerville</u>	
Date of Photos: <u>April, 1942</u>	
<u>194</u>	
CHIEF OF PARTY	
Lieut. Comdr. F. L. Gallen	
Lieut. Comdr. K. G. Crosby	
LIBRARY & ARCHIVES	
DATE <u>June 6, 1946</u>	

3N
Diag. Ch.
1238-3

DATA RECORD

T- 8234

Quadrangle (II): Shulerville

Project No. (II): CS 285

Field Office: Myrtle Beach, S.C. Chief of Party: F. L. Gallen

Compilation Office: Tampa, Fla. Chief of Party: K. G. Crosby

Instructions dated (II III): 7/15/42

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

Completed survey received in office: 5/3/43

Reported to Nautical Chart Section: 5/4/43

Reviewed: 9/1/43 Applied to chart No. Date:

Redrafting Completed: 11/2/43

Registered: 5/46 Published: 1943

Compilation Scale: 1:20,000 Published Scale: 1:31,680

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927 Datum Plane (III): M.S.L.

Reference Station (III): Schuler, 1932

Lat.: $33^{\circ} 07' 45''$ 419 (1399.2 m.) Long.: $79^{\circ} 39' 40''$ 119 (~~1930.0 m.~~^{1040.0 m.}) Adjusted
~~Unadjusted~~

State Plane Coordinates (VI): So. Carolina, South Zone

X = 2,409,870.75 feet Y = 474,094.00 feet

Military Grid Zone (VI) Zone B

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
8390	4/6/42		1:20,000	No shoreline on
8391			"	sheet
8392			"	

Tide from (III): None

Mean Range:

Spring Range:

Camera: (Kind or source) U.S.C. & G.S. 9 lens (Focal length $8\frac{1}{4}$ ")

Field Inspection by: M.W.Burr, D.G.Flipppo

date: Jan-Feb.'43

Field Edit by: L. Levin

date: May, 1943

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

Projection and Grids ruled by (III) C.H.R., J.O'N., date: 12-17-42

" " " checked by: J.C.O'N. date: 12-17-42

Control plotted by: P.G.Gill, Photo. Aid date: 12-22-42

Control checked by: A.L.Kidwell, Jr.Topo.Engr. date: 12-22-42

Radial Plot by: Tampa Office Personnel date: 12-28-42

A.L.Kidwell, Jr.Topo.Engr. Jan.-Feb.-
Detailed by: H.W.Thune, Photo.Aid date: Mar. 1943

A.L.Kidwell,
Reviewed in compilation office by: Jr.Topo.Engr. date: 4-1-43

Elevations on Field Edit Sheet
checked by: R.Roberts date: 6-1-43

STATISTICS (III)

Land Area (Sq. Statute Miles): 60.8

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

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

Number of Recoverable Topographic Stations established: None

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles: 41

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.285, 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.

FIELD INSPECTION REPORT
QUADRANGLE T-8234
PROJECT CS-285
F. L. Gallen, Chief of Party.

1. The area in this Quadrangle is mostly swamps and low ground. There are a few isolated farms along the eastern edge and the settlement of Shulerville, S. C. is midway near the eastern edge of the Quadrangle. The swampy areas are known locally as "Bays". There are numerous small drains and creeks emptying into the "Bays". In extremely wet weather these "Bays" drain eastward through Echaw Creek into the Santee River, northwestward through Savanna Creek into the Santee River, northward through Du Tart Creek into the Santee River, and westward and southwestward through several small creeks into the Cooper River.

The "Bays" are approximately 35 feet to 38 feet in elevation with higher ground along the ridge that crosses the extreme corner of the Quadrangle. The tracks of the Seaboard Air Line Railroad cross the extreme northwestern part of the Quadrangle. State Highway No. 179 crosses the northeastern part of the Quadrangle. Except for the state highway, the roads are poor, being for the most part dressed with sandy top soil with ditches along each side to maintain drainage. There are numerous motorways built by the C. C. C. for the Forest Service that cross this area. They are for the most part cleared tracks through the woods. In this way the Forest Service has access to all areas in case of fire.

2. Refer to report for Quadrangle T-8238.

3. Refer to report for Quadrangle T-8238.

4. Refer to report for Quadrangle T-8238.

5. Refer to report for Quadrangle T-8238.

6. Refer to report for Quadrangle T-8238.

7-13. These paragraphs do not apply to this Quadrangle.

14-16. Refer to the report for Quadrangle T-8238.

cut 17. The Berkeley-Charleston County line crosses the extreme southwestern corner of the Quadrangle. It has been indicated on the photographs. The political boundaries of the counties will be added by the field edit party. Refer to the report for Quadrangle T-8238 for a description of the Francis Marion National Forest.

18. Refer to the report for Quadrangle T-8238.

19. The junction of this Quadrangle with Quadrangles T-8229 on the north, T-8239 on the east, and T-8238 on the south were made on photographs overlapping the Quadrangles.

There is no junction with any modern surveys on the west.

Submitted by,

Morris W. Burr

Morris W. Burr,
Engineering Aid.

Approved and forwarded:

F. L. Gallen

F. L. Gallen,
Chief of Party.

COMPILATION REPORT
TO ACCOMPANY
SHEET NO. T-8234

Shulerville Quadrangle

CONTROL

All of the control stations on the sheet were held to during the radial plot and checked satisfactorily, with the exception of Station TT 49-PA, 1935 (U.S.G.S.) which could not be held consistently.

RADIAL PLOT

A discussion of the main radial plot of which this sheet was a part is included in the Descriptive Report for Sheet T-8229.

DETAILING

The detailing of this sheet was begun by A. L. Kidwell, Jr. Topographic Engineer, in January 1943, and he completed the detailing of all the important highways. Mr. Kidwell was unable to complete the quadrangle having been transferred to the reviewing section of this office.

The photographs and field inspection were satisfactory for detailing except that photographs 8403 and 8404 were of poor scale and thus made the detailing of the western edge of the quadrangle somewhat difficult.

A few discrepancies and omissions were observed in connection with the field inspection and these are noted on the discrepancy overlay. They should be investigated in the field and the information added to the survey sheet.

The field inspection prints show all streams with the "intermittent stream" symbol, which is also used on the survey sheet. The "p.d.u." symbol should be used for each stream as all of the streams flow through swamp or heavily wooded areas and cannot be picked accurately on the photographs. *No 'pdu' symbol may be used on printed quad.*

SUPPLEMENTAL DATA

No supplemental data was available for this compilation.

LANDMARKS AND AIDS TO NAVIGATION

No landmarks or aids to navigation appear within the limits of this quadrangle.

HYDROGRAPHIC CONTROL

No recoverable hydrographic or topographic stations suitable for the control of hydrographic surveys fall within the limits of the sheet.

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

No existing topographic quadrangle sheets were available for comparison.

COMPARISON WITH NAUTICAL CHARTS

The area covered by T-8234 falls too far inland to appear on any published nautical chart.

Respectfully submitted,

Howard W. Thune

Howard W. Thune,
Photogrammetric Aid

Forwarded by:

Kenneth G. Crosby
Kenneth G. Crosby,
Chief of Party...

FIELD EDIT REPORT
T-8234
PROJECT CS-285

46. The field edit was done by visual inspection, making all additions and deletions on the map manuscript; and transferring all the detail to a smooth copy while inking.

The following color scheme was used:

FEATURES	COLORS
Additions, bench marks, wye level elevations and crosses	Black
Deletions	Green
Drainage features	Blue
Contours	Brown
Civil boundaries	Violet

47. The position and amount of detail on this map manuscript is believed to be complete and adequate.

48. Horizontal accuracy tests were run in Quadrangles T-8227, and T-8238.

The vertical accuracy test is the subject of a special report for project CS-285.

Tests made for quad T-8233, which is at west of T-8239, and quad T-8238, at its South - None for T-8239.

Submitted by

Louis Levin
Photogrammetric Aid

Approved and Forwarded

F. L. Gallen
Chief of Party

Remarks

Decisions

1	New name, not in original names report	331796
2		"
3		"
4		"
5		"
6		"
7		332797
8		331796
9		"
10		"
11	Not Mong, according to names report	"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19	New name, not in original names report	
20	" " " "	
21		331797
22		332797
23	Pending with USGB	"
24		331796
25		331797
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8234

SHULERVILLE 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.
Halfway Creek Road ✓	✓								1
Honey Hill Road ✓	✓								2
Bark Island ✓	✓								3
Bark Island Slough ✓	✓								4
Gum Branch ✓	✓								5
Hell Hole Bay ✓	✓								6
Thompson Road ✓	✓								7
Ackerman Road ✓	✓								8
Hazelden Road ✓	✓								9
Shulerville ✓	✓								10
Mung Dam ✓	✓								11
Mung Dam Bridges ✓	✓								12
Echaw Creek ✓	✓								13
Beaman Branch ✓	✓								14
Pole Branch ✓	✓								15
Shulerville Bridge ✓	✓								16
Horse Island ✓	✓								17
Yellow Jacket Island ✓	✓								18
Horse Island Motorway ✓	✓								19
Bunch Motorway ✓	✓								20
Conifer Road ✓	✓								21
Barnett Island ✓	✓								22
The Big Opening ✓	✓								23
Cane Swamp Branch	not shown								24
Farewell Corner Road ✓	✓								25
Hellhole Road ✓	✓								26
Lucas Corner ✓	✓								27

Remarks.

Decisions

1		331797
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9	New name, not in original names report	"
10		"
11		"
12		"
13		"
14		"
15		332797
16	New name, not in original names report	"
17		332796
18		"
19		"
20		"
21		"
22		"
23	Pending with U.S.G.B.	"
24		"
25		"
26		
27		

GEOGRAPHIC NAMES

Survey No. T-8234

No. 2

Name on Survey

[illegible]

T-8234

No. 3

Remarks

Decisions

1		
2		
3		Railway Guide
4		Road Maps
5		"
6		
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GEOGRAPHIC NAMES

Survey No. T-8234

No. 3

Name on Survey

	A	B	C	D	E	F	G	H	K	
Berkeley County	✓	✓								1
Charleston County	✓	✓								2
Seaboard Air Line Railway	✓	✓								3
State Highway No. 179	✓	✓								4
" " No. 511	✓	✓								5
										6
St. James Santee TWP (Berkeley County)	✓				✓					7
St. James Santee TWP (Charleston County)	✓				✓					8
Second St. Stephens TWP (Berkeley County)	✓				✓					9
										10
										11
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										27

Names underlined in rec approve
by L. Heck on 9/22/43

RECORDS

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

Registered and Filed in the Vault

Cloth-mounted copy of the published quadrangle.
published quadrangle at 1:20,000 scale
Black and white cloth-mounted copy of the map manuscript. This copy is filed to preserve original survey detail shown on the manuscript at 1:20,000 scale which may not have been shown on the published sheet. For ~~political-boundaries~~, woodland, ~~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-8234

SHULERVILLE 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-8227 and T-8238.

The nearest vertical accuracy tests were run in quadrangles T-8233 and T-8238.

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 Aug. 28, 1943
under direction of D. H. Benson

By Zarina Schwaner
(Gen'l. M.)

Inspected by B. G. Jones B.G. Jones 5/46

Examined and approved:

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

~~Chief, -Topography-Section~~

Robert W. King
Chief, Div. of Charts
Nautical Chart Branch
Raymond P. Egan
Chief, Div. of Coastal
Surveys