

8208

8208

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-8208</u>
LOCALITY	
State <u>South Carolina</u>	
General locality <u>Horry County</u>	
Locality <u>Aynon Horry</u>	
<u>1943</u>	
CHIEF OF PARTY	
Lieut. Comdr. K. G. Crosby	
Lieut. Comdr. F. L. Gallen	
LIBRARY & ARCHIVES	
DATE <u>June 6, 1946</u>	

ON
Diag. Ch. 1237
2 1110

DATA RECORD

T- 8208

Quadrangle (II): HORRY

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):
1/23; 7/15; 10/19; 10/23; 10/27; 1942Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office: 11/43

Reported to Nautical Chart Section: 1/45

Reviewed: 1/44 Applied to chart No. Date:

Redrafting Completed: 2/44

Registered: 5/46 Published: 8/44

Compilation Scale: 1:20,000 Published Scale: 1:31680

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927 Datum Plane (III): M.S.L. 1929

Reference Station (III): P.T.S. 14-J, 1918 (U.S.G.S.)

Lat.: 33°53'33.4" (1029.7) Long.: 79°14'14.6" (375.9) Adjusted
m. m. ~~unadjusted~~

State Plane Coordinates (VI): South Carolina, North.

X =

Y =

Military Grid Zone (VI) "G"

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
8253	9/2/42	1:27	1:20,000	Inshore Sheet
8254	"	"	"	"
8255	"	"	"	"
8288	"	"	"	"
8289	"	"	"	"
8290	"	"	"	"

Tide from (III): --

Mean Range: --

Spring Range: --

Camera: (Kind or source) USC&GS 9 lens

Field Inspection by: G.B. Woolley

date: --

Field Edit by: L. Levin

date: Nov. 1943

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

Projection and Grids ruled by (III) B.R.C.

date: 9/8/43

" " " checked by: "

date: "

Control plotted by: H.W.Thune, Jr.Photo.Engr.

date: 2/12/43

Control checked by: W.E.Snyder, Photo.Aid

date: "

Radial Plot by: Tampa Office Personnel

date: 3/12/43

" rerun by " "

6/21/43

Detailed by: M.T.Gwinn, Photo.Aid

date: Sept.-Oct.
1943

Reviewed in compilation office by: A.L.Kidwell,
Jr.Topo.Engr.

date: Oct. 1943

Elevations on Field Edit Sheet
checked by: L. Levin

date: Nov. 1943

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: --

Number of Temporary ^{topographic} ~~Hydrographic~~ Stations located by radial plot: 1

Leveling (to control contours) - miles: 72

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-82018
PROJECT CS-285
F. L. GALLEN, CHIEF OF PARTY

1. The town of Aynor lies in the northern part of the quad. The area is not very thickly settled.

All roads with the exception of U. S. Highway 501 are unsuitable for heavy military traffic. These roads are just a sand surface. The abandoned R. R. grade shown, is the grade from Conway to Aynor. The tracks were taken up about three years ago.

The Little Pee Dee River runs in a north and south direction, just west of the quad, and most of the quad drains west into this river.

2. The field inspection included classification of all buildings, roads and wood land. All buildings were enclosed by a small red circle; all ruins were deleted by a small green cross.

3-6. Same as T-8207

7. There is no shoreline on this quad.

14. Roads were classified according to instructions.

15. Bridges were not classified, but the dimensions and material of which each was made is inked on the photographs.

16. Two or three large barns in Aynor were deleted. These are abandoned tobacco auctioning barns, and are in ruins.

17. Political boundary lines will be added by Field Edit party.

18. Subject of separate report.

Submitted by

Glen B. Woolley Jr.
Glen B. Woolley

Approved and Forwarded

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

COMPILATION REPORT
TO ACCOMPANY
SHEET NO. T*8208

26. CONTROL

A U.S.G.S. traverse line falling along the western detail limits constituted nearly all of the control for this sheet. Two other U.S.G.S. stations fell within the limits. Together these stations provided sufficient control, however, two stations (15D and 16D) could not be held. These two stations were cut-in during the radial plot and a good intersection was obtained in each case. It could not be determined in this office whether these discrepancies were due to the stations being identified wrongly on the photographs, in the field or whether there was an error made in the computation of their geographic positions. All other stations could be held to.

27. RADIAL PLOT

The main radial plot, of which this sheet was a part, is discussed in the compilation report for Sheet T-8212.

28. DETAILING

The detailing of this sheet was begun on March 20, 1943. After a careful review of the sheet when first completed it was decided to redetail the complete sheet. A new projection was ordered from Washington and the redetailing was commenced on September 10, 1943.

The photographs from which detailing was done were in general satisfactory, however, a small amount of tilt in most of the photographs produced bad scale in places. This difficulty was all that was encountered and was reduced to a minimum by cutting in additional radial points in the areas most affected. The field inspection was satisfactory and complete, so no trouble was experienced in the interpretation of the photographs.

Satisfactory junctions were made with the adjoining quadrangles.

29. SUPPLEMENTAL DATA

No graphic control surveys by this Bureau, or maps and plans from any organization, were used to supplement the photographs or field inspection.

34. LANDMARKS AND AIDS TO NAVIGATION

Aynor Fire Tower is located within the borders of this quadrangle and its position is submitted with this report on attached form 524. This tower may be suitable as a landmark and should be investigated by the field edit party and

if found satisfactory this fact should be submitted on form 567.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

No topographic quadrangles were available to the draftsman for comparison.

45. COMPARISON WITH NAUTICAL CHARTS

No nautical charts cover this area as it is too far inland.

Respectfully submitted,

Marian T. Gwinn

Marian T. Gwinn,
Photogrammetric Aid

Forwarded by:

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

FIELD EDIT REPORT
T-8208
PROJECT CS-285

- 3A. The Ayner Fire Tower, is not suitable as a landmark as it is in a wooded area and does not extend far enough above the trees to be easily seen from the air. Form No. 524 which was submitted for this tower by the Tampa Photogrammetric Office was not received at this office.
46. The field edit was accomplished by visual inspection, making all additions and deletions on an ozalid copy of the map manuscript in the field, and as no other copy of the map manuscript had been received the inking was done on the ozalid copy.

The following color scheme was used.

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

47. The detail on this map manuscript is believed to be complete and adequate.
48. Horizontal accuracy tests were run in Quadrangles T-8209 and T-8210.
- The vertical accuracy test is the subject of a special report for Project CS-285.

Approved and forwarded

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

Submitted by

Louis Levin
Louis Levin
Photo. Aid.

T-8208

No. 1

Remarks

Decisions

1		
2		Road Maps
3		"
4		
5		
6		
7		Road Maps
8		338791
9		"
10		"
11		338792
12		338791
13		"
14		"
15		"
16		"
17		"
18		338792
19		"
20		"
21		339792
22		338792
23		339792
24		"
25		338792
26		339792
27		"

GEOGRAPHIC NAMES

Survey No. T-8208

Horry

~~AYNOR~~ quadrangle

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	
Horry County	✓								1
U.S. Highway No. 501	✓								2
State Highway No. 510	✓								3
Bucks Township	✓	✓							4
Dog Bluff Township	✓	✓							5
Bayboro Township	✓	✓							6
State Highway No. 917									7
Ned Swamp	(area)		name	8210					8
Ned Creek	✓	✓							9
Jordanville Road	✓	✓							10
Brown Swamp	✓	✓							11
Brown Swamp Bridge	✓	✓							12
Lundy Crossroads	✓	✓							13
Cooper Branch	✓	✓							14
Knotty Branch	✓	(stream)							15
Davis Branch	✓	✓							16
Lundy Short Cut	✓	(road)							17
Red Hill	✓	(settlement)							18
Johnston Short Cut	✓	(road)							19
Blue Water Branch		not shown							20
High Point Branch		not shown							21
Jordanville	✓	✓							22
Ratan Branch	✓	✓							23
Palmetto Bridge X	✓	✓							24
Palmetto Swamp	✓	✓							25
Lundy Bridge X	✓	✓							26
Little Palmetto Swamp	✓	✓							27

T-8208

No. 2

Remarks

Decisions

1		339792
2		"
3		"
4		339791
5		339792
6		"
7		"
8		"
9		339791
10		339792
11		"
12	Pending with USGB	"
13		"
14		"
15		"
16		338792
17		339792
18		"
19		339791
20		339792
21		"
22		339791
23		339792
24		339791
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8208

2	Name on Survey	A	B	C	D	E	F	G	H	K	
	<u>Spring Swamp</u>	✓✓									1
	<u>Spring Swamp Bridges</u>	✓✓									2
	<u>Tompkins</u>	✓✓									3
	<u>Tampico Road</u>	✓✓									4
	<u>Rogers Fall Out</u>	✓ (locality)									5
	<u>Tampico Bridge</u>	✓✓									6
	<u>Holly Hill Bridge</u>	✓✓									7
	<u>Holly Hill Branch</u>	✓✓									8
	<u>Holliday Branch</u>	not shown									9
	<u>Brunson Swamp</u>	✓✓									10
	<u>Brunson Swamp Bridge</u>	✓✓									11
	<u>Dog Bluff</u>	✓ (village)									12
	<u>Jonestown</u>	✓✓									13
	<u>Evens Branch</u>	✓✓									14
	<u>Rehobeth</u>	✓✓									15
	<u>Chinners Swamp</u>	✓✓									16
	<u>Chinners Swamp Bridge</u>	✓✓									17
	<u>Schoolhouse Branch</u>	✓✓									18
	<u>Aynor</u>	✓✓									19
	<u>Mill Branch</u>	✓✓									20
	<u>Mill Branch Bridges</u>	✓✓									21
	<u>Ridge Road</u>	✓✓									22
	<u>Jones Bridge</u>	✓✓									23
	<u>Jones Road</u>	✓✓									24
	<u>Jones Crossroads</u>	✓✓									25
	<u>Aynor Forest Fire Lookout Tower</u>	✓	✓								26
	<u>Chinners</u>	✓	✓								27

M 234

T-8208

No. 3

Remarks

Decisions

1	Only in text of names report: at settlement of Chinners	339791
2	Pending with USGB	"
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		338791
14		"
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		

GEOGRAPHIC NAMES

Survey No. T-8208

3	Name on Survey	A	B	C	D	E	F	G	H	K	
	Chinners Bridge	(at Chinners)	✓								1
	Cool Spring	(village)	✓								2
	Cool Spring Bridge	✓	✓								3
	Doyle	✓									4
	Salem Crossroads	✓	✓								5
	Doyle Bridge	✓	✓								6
	Huggins Short Cut/	(road)	✓								7
	Knotty Branch	(settlement)	✓								8
	Huggins Bridge	✓	✓								9
	Ten Mile Bridge	✓	✓								10
	Graham Road	✓	✓								11
	Horry	✓	✓								12
	Dog Bluff Road	✓	✓								13
	Seven Mile Bridge	✓	✓								14
	Galivants Ferry Township										15
											16
											17
											18
											19
											20
											21
											22
											23
											24
											25
											26
											27

Names underlined in red

L Heck on 1/7/44

M 234

Names underlined in rec'd
by L. Heck on 1/7/44

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-8208

HORRY 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-8209 and T-8210.

The nearest vertical accuracy test was run in quadrangle T-8210.

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 charts---inland sheet.

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 Dec. 15, 1943 By Zaira E. Schwaner
under direction of D. H. Benson per D.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. Gray
Chief, ~~Division of Charts~~
Chief, Nautical Chart Branch
Raymond P. Egan
Chief, Div. of Coastal
Surveys