

# 8207

Original

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Form 504

## U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

### DESCRIPTIVE REPORT

Type of Survey Air Photo. Compilation

Field No. \_\_\_\_\_ Office No. T-8207

#### LOCALITY

State South Carolina

General locality Horry County

Locality Adrian

1943

#### CHIEF OF PARTY

Lieut. Comdr. K. G. Crosby

Lieut. Comdr. F. L. Gallen

#### LIBRARY & ARCHIVES

DATE June 27, 1946

on Diag.

1237 + 1110

## DATA RECORD

T- 8207

Quadrangle (II): ADRIAN

Project No. (II): CS-285

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

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

Instructions dated (II III): 1/23/42; 7/15/42; Copy filed in Descriptive  
10/19/42; 10/23/42; 10/27/42 Report No. T- (VI)

Completed survey received in office: 9/43

Reported to Nautical Chart Section: 1/45

Reviewed: 12/3/43 Applied to chart No. Date:

Redrafting Completed: 2/44

Registered: 6/46

Published: 4/44

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): ~~HO-137~~  
HO-137, 1934, (S.C.G.S.)Lat.: 33°54'26" 876 (828.0 m) Long.: 79°02'47" 567 (1222.0) Adjusted  
m. Unadjusted

State Plane Coordinates (VI): S Carolina N. Zone ✓

X = 2,592,694.45 ft.

Y = 335,934.48 ft. (N. Zone)

Military Grid Zone (VI)

"B" ✓  
O.K.

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
8231	4-2-42		1:20,000	Inshore sheet
8249	"		"	
8250	"		"	
8251	"		"	

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: Oct 1943

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

Projection and Grids ruled by (III) H.K.B.

date: 1/7/43

" " " checked by: "

date: "

Control plotted by: M. Rutkin, Asst. Engr. Drafts.

date: March 1943

Control checked by: E.C. Andrews, Photo. Aid.

date: " "

Radial Plot by: Tampa Office Personnel  
refun by " "

date: March 12, 1943  
June 21, 1943

Detailed by: V. P. Simmons, Photo. Aid

date: June-Sept. 1943

Reviewed in compilation office by: J.A. Giles, Asst. Photo. Engr.  
J.E.S. Billmyer, Asst. Photo. Engr.

date: September 1943

Elevations on Field Edit Sheet  
checked by: L. Levin ✓

date: Oct 1943 ✓

STATISTICS (III)

Land Area (Sq. Statute Miles); 60.78

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; 67 mi

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:



FIELD INSPECTION REPORT  
QUADRANGLE T-8207  
PROJECT CS-285  
F. L. GALLEN, CHIEF OF PARTY

1. U. S. Highway 501 runs from the southeast corner of the quadrangle in a northwest direction, and leaves the quad in about the center of the west edge. U. S. route 701 traverses the quad parallel to the eastern edge.

Brown's Swamp was found to be thickly covered with brush. Attempts were made about the swamp to place an elevation in its center, but it could not be done.

A small rectangular pond shown on the quad is just adjacent to Highway 701. This is a borrow pit made to supply fill-dirt for the highway. The pit has filled with water, and remains full continuously.

2. Included in the field inspection was classification of all buildings, roads and wood land. All buildings were enclosed by a small red circle, and all ruins were ~~deleted~~ by a green cross. In the southeast and northeast corners of the quad the buildings were blocked in, and followed a different color scheme. The Atlantic Coast Line Railroad runs nearby parallel to, and just east of Highway 701. The abandoned railroad grade marked on the quad is the line from Conway to Aynor. The rails were taken up about three years ago.

3. No variation in the color tones of the photographs was found.

4. Horizontal control for this quad has been pricked on the photos, and forwarded to the Tampa office.

5. Planetable elevations were obtained from permanent bench marks, and from supplementary level lines run on the roads in the area.

6. The planetable was oriented by a compass line placed on each photo or by sighting along a road tangent or by sighting on one or more known objects, such as fire lookout towers. Streams were located by stadia traverse, and field inspection. There were no large vertical closures.

7-12. Do Not pertain to this quad.



with vegetation  
-2-

This airfield is shown on quad #T-8209. The airport is overgrown. It is recommended that this be classified as abandoned.

13. One small private landing field is located in the southeast corner of the quad just north of Conway and east of U. S. Route 701. This field is not used now.

14. All roads were classified according to instructions.

15. The dimensions of each bridge were shown on the photographs also the kind of material of which each was made.

16. The names of all schools and churches are shown on the photos..

17. Political boundaries will be added by field edit party.

18. Geographic names is the subject of a separate report.

19. All culverts were shown where they showed drainage. The material of which each culvert was made was not shown, but the majority of them are wood.

Submitted by:

Glen B. Woolley putty.

Glen B. Woolley

Approved and Forwarded

F. L. Gallen.

F. L. Gallen  
Chief of Party

Note Par. 26 is misleading. as  
evident ~~on~~ from examination of  
the map South Cawhra geodetic  
survey stations provided the  
major horizontal control and  
there appears to be no reason  
to question either the accuracy  
of the U.S. G.S. control or the  
accuracy of the map.

B.G. Jones  
6/46

COMPILATION REPORT  
TO ACCOMPANY  
SHEET NO. T-8207

26. CONTROL

The control for this sheet included nine U.S. Geological Survey traverse stations. As these stations were used for the main part of the control, the accuracy of this portion of the main radial plot is questionable. As all of the stations could be "held to", it is quite probable that the sheet will meet the necessary accuracy requirements.

*Also 10 S. Car. State traverse monuments.*

27. RADIAL PLOT

*See opposite page*

The main radial plot, of which Sheet T-8207 was a part, is discussed in the compilation report for sheet T-8212.

28. DETAILING

Photographs from which this quadrangle was detailed were not very clear and were of poor scale.

The field inspection was satisfactory except in some cases where there were discrepancies in the classification of vegetation.

A number of streams which are obviously "probable drainage unsurveyed" are shown on the field prints and the map sheet with the intermittent stream symbol. These streams should be investigated by the field edit party and labelled correctly where necessary.

A good many S. C. Geodetic Survey Stations were spotted on the field prints but no picking cards were made for them as no coordinates were available. As the descriptions showed the elevations of these stations, they are shown on the map manuscript as bench marks.

*USGS traverse stations were monumented. Only two the others being positions at road intersections etc. There is no reason to doubt either positions or identification.*

29. SUPPLEMENTAL DATA

No graphic control surveys by this Bureau or maps and plans by other organizations were used to supplement the photographs in the detailing.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

No existing topographic quadrangle maps of this area were available for comparison.



45. COMPARISON WITH NAUTICAL CHARTS

None of the published nautical charts show the area covered by T-8207 in detail.

Respectfully submitted,

*Vincent F. Simmons*

Vincent F. Simmons  
Photogrammetric Aid

Forwarded by:

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

FIELD EDIT REPORT  
QUADRANGLE T - 8207  
PROJECT CS-285

46. The field edit was done by visual inspection in the field, 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:

<u>FEATURES</u>	<u>COLOR</u>
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-8209 and T-8210.

The vertical accuracy test is the subject of a special report for Project CS-285. *There is no vertical accuracy test on this sheet.*  
*Closest test on T-8209, joining T-8207 on South.*

Approved and forwarded

*F. L. Gallen.*

F. L. Gallen  
Chief of Party

Submitted by,

*Louis Levin per Jh G.*

Louis Levin  
Photo. Aid.

T-8207

No. 1

Remarks

Decisions

1		
2		
3		
4		Railway Guide
5		Road Maps
6		"
7		
8	Pending with U.S.G.S.	338790
9		338789
10		338790
11		"
12		"
13	George Hardee Road on U.S.G.S. "Nixonville"	339789
14		338790
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		338791
23		"
24		"
25		"
26		"
27		339791



# GEOGRAPHIC NAMES

Survey No. T-8207

ADRIAN quadrangle

1 Name on Survey

	A	B	C	D	E	F	G	H	K	
<u>Horry County</u> ✓	✓		✓							1
<u>Conway Twp</u> ✓	✓		✓							2
<u>Bayboro Twp</u> ✓	✓		✓							3
<u>Atlantic Coast Line R.R.</u> ✓	✓		✓							4
<u>U.S. Highway 701</u> ✓	✓		✓							5
<u>" 501</u> ✓	✓		✓							6
										7
<u>Kingston Lake</u> ✓	✓		✓							8
<u>Maple Swamp</u> ✓ ✓ (part here, part to northwestward)			✓							9
<u>Jollie Bridge</u> ✓	✓		✓							10
<u>Jollie Road</u> ✓	✓		✓							11
<u>Smith Lake Road</u> ✓	✓		✓							12
<u>Hardee Road</u> ✓	✓		✓							13
<u>Grier Swamp</u> ✓	✓		✓							14
<u>St. Paul Forks</u> ✓ ✓ (settlement or locality)			✓							15
<u>St. Paul Branch</u> ✓	✓		✓							16
<u>St. Paul Bridge</u> ✓	✓		✓							17
<u>Homewood</u> ✓	✓		✓							18
<u>Brown Swamp</u> ✓	✓		✓							19
<u>Brown Swamp Bridge</u> ✓	✓		✓							20
<u>Walter Short Cut Road</u> ✓	✓		✓							21
<u>Mary</u> ✓ <i>CONWAY ROAD</i> (very little if any of settlement here)			X							22
<u>Mary Branch</u> ✓	✓		✓							23
<u>Ned Branch</u> ✓ <i>CONWAY quad.</i> (very little if any here)			X							24
<u>Dog Bluff Road</u> ✓	✓		✓							25
<u>Jordanville Road</u> ✓ (uncertain if name applies east of Mary)			X							26
<u>Brown Bay</u> ✓	✓		✓							27



T-8207

No. 2

Remarks.

Decisions

1		339791
2		"
3		"
4		"
5		339790
6		"
7		338792
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		339789
17		339790
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		"
27		"

# GEOGRAPHIC NAMES

Survey No. T-8207

2

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	
Salem Crossroads	✓	✓	✓	✓	✓	✓	✓	✓	1
Poplar Hill	✓	✓	✓	✓	✓	✓	✓	✓	2
North Prong	✓	✓	✓	✓	✓	✓	✓	✓	3
South Prong	✓	✓	✓	✓	✓	✓	✓	✓	4
Chinners Swamp	✓	✓	✓	✓	✓	✓	✓	✓	5
Brown Bay Settlement	✓	✓	✓	✓	✓	✓	✓	✓	6
Spring Hill	✓	✓	✓	✓	✓	✓	✓	✓	7
Good <del>the</del> Road	✓	✓	✓	✓	✓	✓	✓	✓	8
Rabon Crossroads	✓	✓	✓	✓	✓	✓	✓	✓	9
Rabon Branch	✓	✓	✓	✓	✓	✓	✓	✓	10
Poplar Hill Bridge	✓	✓	✓	✓	✓	✓	✓	✓	11
Bayboro	✓	✓	✓	✓	✓	✓	✓	✓	12
Bayboro Road	✓	✓	✓	✓	✓	✓	✓	✓	13
Baker Crossroads	✓	✓	✓	✓	✓	✓	✓	✓	14
Valley Forge Branch	✓	✓	✓	✓	✓	✓	✓	✓	15
Bay Gully	✓	✓	✓	✓	✓	✓	✓	✓	16
Bug Swamp	✓	✓	✓	✓	✓	✓	✓	✓	17
Bayboro Branch	✓	✓	✓	✓	✓	✓	✓	✓	18
Lewisville Road	✓	✓	✓	✓	✓	✓	✓	✓	19
Horse Creek	✓	✓	✓	✓	✓	✓	✓	✓	20
Baxter Forks	✓	✓	✓	✓	✓	✓	✓	✓	21
Howells	✓	✓	✓	✓	✓	✓	✓	✓	22
Big Baxter Swamp	✓	✓	✓	✓	✓	✓	✓	✓	23
Little Baxter Swamp	✓	✓	✓	✓	✓	✓	✓	✓	24
Privetts	✓	✓	✓	✓	✓	✓	✓	✓	25
Adrian	✓	✓	✓	✓	✓	✓	✓	✓	26
Adrian Road	✓	✓	✓	✓	✓	✓	✓	✓	27
Maple Swamp Bridge	✓	✓	✓	✓	✓	✓	✓	✓	28

T-8207

No. 3

Remarks.

Decisions

1		339790
2		"
3		"
4		"
5		"
6		"
7		339789
8		"
9		339790
10		"
11		"
12		"
13		"
14		"
15		"
16		"
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24		
25		
26		
27		



# GEOGRAPHIC NAMES

Survey No. T-8207

3	Name on Survey	A	B	C	D	E	F	G	H	K	
	<u>Booth Settlement</u>	✓		✓							1
	<u>Booth Branch</u> ✓	✓		✓							2
	<u>Cross Branch</u> ✓	✓		✓							3
	<u>Poplar Forks</u> ✓ (settlement or locality)			✓							4
	<u>Terkill Branch</u> ✓ drainage not shown			✗	shown						5
	<u>Smith Branch</u> ✓			✓							6
	<u>Poplar Swamp</u> ✓	✓		✓							7
	<u>John Branch</u> not shown (west trib. Maple Swamp on quad. to eastward)			✗							8
	<u>Boggy Swamp</u> ✓	✓		✓							9
	<u>Boggy Swamp Bridge</u> ✓	✓		✓							10
	<u>Maple Crossroads</u> ✓	✓		✓							11
	<u>Allen</u> ✓	✓		✓							12
	<u>Mill Swamp</u> ✓	✓		✓							13
	<u>Mill Branch</u> ✓	✓		✓							14
	<u>Priver Branch</u> ✓	✓		✓							15
	<u>Long Swamp</u> ✓	✓		✓							16
											17
											18
											19
											20
											21
											22
											23
											24
											25
											26
											27

Names underlined in red approved  
by L. Heck on 12/21/43

M 234

Names underlined in red approved  
by L. Heck on 12/8/43



## 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.



## 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, driveways, and numerous other points identifiable on the photographs.

### COMPILATION OF MANUSCRIPT

Compilation on the map manuscripts by radial plot methods (celluloid hand templets) 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.



DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8207

ADRIAN 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 on quadrangle T-8209.

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 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:

There are no nautical charts as this is an inshore 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 Nov. 23, 1943 By John H. Stewart  
under direction of D. H. Benson per W.M.

Inspected by B. G. Jones By Jones 6/46

Examined and approved:

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

~~Chief, -Topography-Section-~~

Robert W. Knox  
Chief, Div. of Charts  
Robert W. Knox  
Chief, Nautical Chart Branch  
Raymond H. Evans  
Chief, Div. of Coastal  
Surveys