

# 8217

# 8217

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-8217</u>
LOCALITY	
State <u>South Carolina</u>	
General locality <u>Georgetown County</u>	
Locality <u>Carvers Bay</u>	
Photos taken the { <u>4/6/1942</u>	
Scale 1:20000 <u>4/2/1942</u>	
<u>1943</u>	
CHIEF OF PARTY	
Lieut. Comdr. <u>F.L. Gallen</u> and	
Lieut. Comdr. <u>Kenneth G. Crosby</u>	
LIBRARY & ARCHIVES	
DATE <u>July 1943</u>	

## DATA RECORD

T- 8217

Quadrangle (II): Carvers Bay

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: July 19, 1943

Reported to Nautical Chart Section: July 20, 1943

Reviewed: Oct. 26, 1943 Applied to chart No. Date:

Redrafting Completed: Dec. 10, 1943

Registered: 6/46 Published: 4/44

Compilation Scale: 1:20,000

Published Scale: 1: <sup>31,680</sup>~~20,000~~

Scale Factor (III): 1.00

Geographic Datum (III): NA. 1927

Datum Plane (III): M.S.L.

Reference Station (III): G-459, 1934 (SCGS)

Lat.: 33°34'34.504" (1063.0m) Long.: 79°19'04.987" (128.6m) Adjusted  
~~Unadjusted~~

State Plane Coordinates (VI): (S zone) South Carolina

X = 2,512,295.07 ft. ✓

Y = 638,212.22 ft. ✓

Military Grid Zone (VI) "B" ✓

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
8279	4-2-42		1:20,000	Inshore sheet
8336	4-6-42		"	
8337	"		"	

Tide from (III): No Tide (Inshore sheet)

Mean Range:

Spring Range:

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

Field Inspection by: A. L. Mitchell

date:

Field Edit by: *D. Flippo*

date: *Aug. 1943*

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

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

date: 1-16-43

" " " checked by: H.K.B.

date: 12-16-43

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

date: 2-4-43

Control checked by: V.F. Simmons, Photo Aid

date: 2-5-43

Radial Plot by: Tampa office personnel

date: 2-16-43

" " re-run " " "

6-14-43

Detailed by: Marie Blake, Jr. Engr. Draftsman

date: Mch-June 1943

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

date: July 1943

Elevations on Field Edit Sheet

checked by: *D. Flippo*

J.H.S. Billmyer, Asst. Photo Engr.

date: *Aug. 1943*

STATISTICS (III)

Land Area (Sq. Statute Miles): 53.1

Shoreline (More than 200 meters to opposite shore):

Shoreline (Less than 200 meters to opposite shore): 32.5

Number of Recoverable Topographic Stations established;

Number of Temporary Hydrographic Stations located by radial plot:

Leveling (to control contours) - miles: 47 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;



## 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-8217  
PROJECT CS-285  
F. L. GALLEN, CHIEF OF PARTY

1. The area between Route No. 701 and Route No. 51, Route No. 707 and the road northeast from the village of Carver's Bay to the intersection with Route No. 707 is owned by the U. S. Army Air Corps and is used for aerial bombing and machine gun range. The area is used exclusively by the U. S. Army Air Corps and most of the dwellings and other buildings have been removed. A large swamp known as Carvers Bay lies in this area.

Some farming is carried on west of Route No. 51 and south of the Black River.

State Highway Route 51 runs in a north-westerly and south-easterly direction through the Quadrangle. State Route No. 701 runs through the extreme south-eastern corner of the quadrangle. The remainder of the roads are made of sand and clay and are poorly maintained except for those in the bombing area which are used and maintained exclusively by the Army.

The area is drained in a southerly direction into the Black River. After heavy rains most of the area retains water for several days.

This area is very flat and varies in elevation from a few feet above sea level at the Black River to a height of about 50 feet. The higher ground is found only in the northwestern portion of the Quadrangle.

There are a few abandoned railroads and tramways which were used during lumbering operations; some of which are now used as roads.

2. See the report for Quadrangle T-8221.

3. Distinct lines are found in the bombing area, most of which have been deleted on the photograph. These are track roads which are passable only in exceptional dry weather and are used by U. S. Army construction crews.

The lighter smooth tones on the photograph were usually found to be broomsage fields. For additional information see the report for Quadrangle 8226 and 8238.

4. See the Report for Quadrangle 8221.

5. See the report for Quadrangle 8221.

6. See the report for Quadrangle 8221. 8238

7,8,9,10,11,12 and 13. See the report for Quadrangle 8216.

14. See the report for Quadrangle 8238.

15. The dimensions and load limits of bridges have been indicated on the photograph but they have not been classified. *See field edit sheet.*

16. See the report for Quadrangle 8238.
17. See the report for Quadrangle 8226.
18. Geographic Names is the subject of a separate report for this <sup>L.A.</sup> Project.
19. All the adjacent Quadrangles join this one on overlapping photographs. The junctions between the photographs were checked in the field and should be satisfactory.

Respectfully submitted,

*Allen L. Mitchell*

Allen L. Mitchell,  
Senior Photogrammetric Aid.

Approved and forwarded:

*F. L. Gallen*

F. L. Gallen,  
Chief of Party.



COMPILATION REPORT  
TO ACCOMPANY  
SHEET NO. T-8217

Control

All stations that fall on the sheet could be held to during the radial plot with the exception of G-374. This station was investigated in the field and the picking on the field print was found to be correct. As intersecting radial lines fell approximately 100 meters west of the plotted position of the station, the geographic position is evidently in error. The Washington office has been notified of this error and a request made that the geographic position computations be investigated.\*

Station G-1 was held to only after receiving a corrected position by wire from Washington. "G-1" is the number assigned by the field party to a geological Survey traverse point listed as: "center of bridge, creek crossing."

Radial Plot

A discussion of the main radial plot is incorporated in the compilation report for Sheet T-8222.

Detailing

Photographs from which T-8217 was detailed, were fairly clear, but the scale was poor on most of them. Some trouble was experienced in the northwestern part of the sheet, where the presence of a large swamp area made picking of adequate radial points very difficult.

Satisfactory junctions were made with the adjoining quadrangles. Most of the small streams through heavy wooded areas are shown with the intermittent stream symbol as they were indicated as such on the field prints. These streams should be investigated by the field edit party as their location is only approximate and should probably best be shown with the "probable drainage, unsurveyed" symbol and label.

Boheck Creek, (Lat.  $33^{\circ}30'15''$ , Long.  $79^{\circ}20'15''$ ), should be traced out in the field as it does not show on the photographs.

*None was shown in incorrect position on manuscript and has been corrected.*

Supplemental Data

No graphic control surveys, or maps and plans of other organizations were used to supplement the photographs in the detailing of the sheet.

Landmarks and Aids to Navigation

Six Fifty foot steel towers fall within the limits of T-8217. Three of these towers are on the bombing range at Lat.  $33^{\circ}37'$ , Long.  $79^{\circ}18'$ , and three are on the bombing range at Lat.  $33^{\circ}31'15''$ , Long.  $79^{\circ}16'15''$ .

The field edit party should investigate these towers, and if

\* Position was listed incorrectly in Georgetown Co. Public time. Correct position plotted during review, checked closely with radial plot position

they are suitable for landmarks, copies of forms 524 and 567 should be submitted to the Washington office. *Not suitable for landmarks according to field edit sheet.*

Comparison with Existing Topographic Quadrangles.

No topographic quadrangle sheets were available in the Tampa office with which to make a comparison with T-8217.

Comparison with Nautical Charts.

The area covered by this quadrangle falls too far inland to be covered in detail by any of the published nautical charts.

Respectfully submitted,

*Marie R. Blake*

Marie R. Blake  
Jr. Engr. Draftsman.

Forwarded by:

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

FIELD EDIT REPORT  
QUADRANGLE T-8217  
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.

<u>FEATURES</u>	<u>COLOR</u>
Additions, bench marks, wye level elevations and crosses	Red
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. A horizontal accuracy test was run in this Quadrangle \*

The vertical accuracy test is the subject of a special report for Project No. CS-285. See T-8213 & T-8218 for closest tests.

Respectfully submitted,  
*Donald G. Flipppo*  
Donald G. Flipppo *per J.L.G.*  
Engineering Aid.

Approved and forwarded:

*F. L. Gallen*  
F. L. Gallen

\* The test indicated that the accuracy requirements are satisfactorily met after correction of a bridge location which was poorly detailed. The test is filed in the Division of Photogrammetry. 1944.



T-8217

Remarks

No.  
Decisions

1		334792
2		Road Maps
3		"
4		"
5		
6		
7		
8		
9		335792
10		"
11		334792
12		335792
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		336792
26		"
27		336793



## GEOGRAPHIC NAMES

Survey No. T-8217

CARVERS BAY 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	
<u>Black River</u>	✓		✓						1
<u>U.S. Highway No. 701</u>	✓		✓						2
<u>State Highway No. 51</u>	✓		✓						3
<u>State Highway No. 512</u>	✓		✓						4
<u>Georgetown County</u>	✓		✓						5
									6
									7
									8
<u>Snow Mill</u>	✓		✓						9
<u>Pee Dee Road</u>	✓		✓						10
<u>Peters Creek</u>	✓		✓						11
<u>Black Swamp</u>	?	name	shown in T-8221						12
<u>Peters Creek Bridge</u>	✓		✓						13
<u>Guinea Creek</u>	✓		✓						14
<u>Guinea Creek Bridge</u>	✓		✓						15
<u>Simmons Creek</u>	✓		✓						16
<u>Fardick Creek</u>	✓		✓						17
<u>Flat Road</u> Fat Rd?	✓		✓						18
<u>Carvers Bay Creek</u>	✓		✓						19
<u>Carvers Bay Bridge</u>	✓		✓						20
<u>Big Branch</u>	✓		✓						21
<u>Millpond Branch</u>	✓		✓						22
<u>U. S. ARMY</u> <u>Carvers Bay Bombing Range</u>			✓						23
	✓								(make this name agree with the one used for quadrangle No. 8216, eastward)
<u>Plantersville Road</u>	✓								24
<u>Carvers Bay</u>	✓		✓						(large area) ✓
<u>Carvers Bay Road</u>	✓		✓						26
<u>Carvers Bay</u>	✓		✓						(settlement) ✓
									27

T-8217

No. 2

Remarks

Decisions

1		336793
2		"
3		"
4		335793
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21	Anne is on T8221	"
22		"
23		334793
24		335793
25		"
26		"
27		"



# GEOGRAPHIC NAMES

Survey No. T-8217

GEOGRAPHIC NAMES											
Survey No. T-8217											
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	
	<u>Allentown Road</u>	✓		✓						1	
	<u>Squirrel Run Road</u>	✓		✓						2	
	<u>Water Run</u>	✓		X	NEXT SHEET					3	
	<u>Machine Bay</u>	✓		✓						4	
	<u>Williams Road</u>	2	shown in 8218								5
	<u>Bay Road</u>	✓		✓						6	
	<u>Stony Run Creek</u>	✓		✓						7	
	<u>Mill Grove Creek</u>	✓		✓						8	
	<u>Choppee Bridge</u>	✓		✓						9	
	<u>Choppee Road</u>	✓		✓						10	
	<u>Choppee Creek</u>	✓		✓						11	
	<u>Munlin Plantation</u>	✓		✓						12	
	<u>Belleflower Point</u>	✓		✓						13	
	<u>Rocky Point</u>	✓		✓						14	
	<u>Dunbar Landing</u>	✓		✓						15	
	<u>Dunbar</u>	✓		✓						16	
	<u>Dunbar Road</u>	✓		✓						17	
	<u>Lanes Creek</u>	✓		✓						18	
	<u>Easterland Plantation</u>	✓		✓	Not on 8217					19	
	<u>Roland Hall Plantation</u>	✓		✓						20	
	<u>Annieville</u> <u>Anne Village</u>	✓		✓						21	
	<u>Lanes Creek Bridge</u>	✓		✓						22	
	<u>Browns Ferry Road</u>	✓		✓						23	
	<u>Oatland Road</u>	✓		✓						24	
	<u>Boheck Creek</u>	✓	(see note in compilation report about its changed position)								25
	<u>Post Foot</u>	✓		✓						26	
	<u>Post Foot Branch</u>	✓		✓						27	

M 234

T-8217

No. 3

Remarks

Decisions

1		335793
2		"
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# GEOGRAPHIC NAMES

Survey No. T-8217

3	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
	<del>Post Foot Bridge</del>	✓		X						1
	<u>Post Foot Landing</u>	✓		✓						2
										3
										4
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L. Heck on 11/20/43

## 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- 8217

GARVERS BAY 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 closest vertical accuracy tests were run in quadrangles T-8213 and T-8218.

A horizontal accuracy test was run in this quadrangle. For further information see No. 47 in the Field Edit 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:

Nautical charts do not extend inland this far.



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 Oct. 12, 1943 By Zaira E. Schumaner  
under direction of D. H. Benson (per H.M.)

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

Examined and approved:

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

Chief, Topography Section

Robert W. Gray  
Chief, ~~Div. of Charts~~  
Nautical Chart Branch.

Raymond E. Gray  
Chief, Div. of Coastal  
Surveys