

8228

Diag'd. on Diag. Ch. No. 1110

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photo. Compilation

Field No. _____ Office No. T-8228

LOCALITY

State South Carolina

General locality Georgetown County

Locality Cedar Creek

1943

CHIEF OF PARTY

Lieut. Comdr. F. L. Gallen

Lieut. Comdr. K. G. Crosby

LIBRARY & ARCHIVES

DATE August 5, 1946

DATA RECORD

T- 8228

Quadrangle (II): Cedar Creek

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

Completed survey received in office: *May 13, 1943*Reported to Nautical Chart Section: *May 14, 1943*Reviewed: *Sept. 11, 1943* Applied to chart No. Date:Redrafting Completed: *Nov. 5, 1943*Registered: *7/46*

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): TT-45 PA, 1935 (U.S.G.S.)

Lat.: 33° 19' 34" 37 (1058.8 m.) Long.: 79° 34' 30" 85 (797.9 m.)
~~Adjusted~~ *Unadjusted*
~~Unadjusted~~

State Plane Coordinates (VI):

No plane coordinates available for this station
S. Carolina S. Zone
 X = Y =

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>
8379	4-6-42		1:20,000	Inshore sheet
8380	"		"	
8363	"		"	
8364	"		"	
8365	"		"	

Tide from (III):

Mean Range:

Spring Range:

Camera: (Kind or source) USC&GS 9 lens (8 $\frac{1}{2}$ " focal length)

Field Inspection by: G. Bowker, Photo. Aid

date:

Field Edit by: *L. Levin*

date: *July, 1943*

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

Wash. Office
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: A.L.Kidwell, Jr.Topo.Engr. date: 12/21/42

Control checked by: V.F.Simmons, Photo.Aid date: 12/21/42

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

Detailed by: V.F.Simmons, Photo. Aid date: 12/31/42-
4/24/43

A.L.Kidwell, Jr.Topo.Engr.
Reviewed in compilation office by: J.H.S.Billmyer, date: Apr. 1 -
Asst.Photo.Engr. May 1943

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

date: *July 6, 1943*

STATISTICS (III)

Land Area (Sq. Statute Miles): 59.78

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

Shoreline (Less than 200 meters to opposite shore): 67.32 miles

Number of Recoverable Topographic Stations established: None

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles: 32

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, 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.

FIELD INSPECTION REPORT
QUADRANGLE T-8228
PROJECT CS-285
F. L. GAILLEN, CHIEF OF PARTY

1. The drainage is divided into two parts by a slight ridge which extends across the center of the Quadrangle in an east-west direction. The northern part drains in a northeasterly direction into the Sampit River. Cedar Creek flows in a southeast direction through the southern part of the Quadrangle and empties into the North Santee River. It flows almost parallel to the Santee River and provides drainage for most of the southern part of the Quadrangle. The Santee River flows through the southwest corner of the Quadrangle and provides drainage for the swamps along the river only. A very slight sandy ridge divides the drainage between Cedar Creek and the Santee River.

The ground varies in elevation from sea level to a height of about 41 feet. The southern part of the Quadrangle has definite swampy areas along the Santee River and Cedar Creek. The northern part is mostly high ground except for Bino Bay and Canon Bay, which are found in the northwest corner of the Quadrangle.

The few roads in this Quadrangle are made of sand and clay. Poor drainage is provided for these roads and they are not dependable in wet weather. There are many temporary roads built by the lumbermen, which can be traveled in dry weather only. There are no paved roads in this Quadrangle.

Some farming is carried on near the better roads in this Quadrangle, but in general it is sparsely populated.

2. The county boundaries have been located on the photographs in part of this Quadrangle. See the report for Quadrangle 8221.

3. See the report for Quadrangle 8226 and 8238.

4-5-6. See the report for Quadrangle 8238.

7-8-9-10-11-12-13. See the report for Quadrangle 8233.

14. See the report for Quadrangle 8238.

15. See the report for Quadrangle 8233.

16. See the report for Quadrangle 8238.

17. See the report for Quadrangle 8226.

18. Geographic Names are the subject of a separate report for this project.

S. R. 54. 1 A

19. All the adjacent Quadrangles join this one on overlapping photographs. The junctions between the photographs were checked in the field and the junctions with the adjacent Quadrangles should be satisfactory.

Submitted by,

Gordon Bowker

Gordon Bowker,
Photogrammetric Aid.

Approved and forwarded:

F. L. Gallen

F. L. Gallen,
Chief of Party.

DESCRIPTIVE REPORT
TO ACCOMPANY
SHEET NO. T-8228

CONTROL

The control used for detailing Sheet T-8228 was furnished by Radial Plot, December 28, 1942. One traverse station, and geographic positions of features identified on the photos were used for control. These positions were determined by the U. S. Geological Survey. *Only ~~one~~ ^{two} ground control stations were available on this quadrangle - these were W.S.G.S. traverse*

MAIN RADIAL PLOT

stations. 1937

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

DETAILING

Photographs from which Sheet T-8228 was detailed were not very clear. In wooded areas all roads and streams could not be seen due to the density of trees. Portions of 4 and 4U roads and streams are shown. Photographs from Latitude 33° 18' north to limits of survey sheet were of very good scale. Photographs from Latitude 33° 18' south to limits of Survey Sheet were fair scale, but due to swamp area, control was limited. Part of this section was compiled by making a tracing and projecting same to correct scale on the survey sheet.

Satisfactory junctions were made with Sheet T-8223 on the north, Sheet T-8229 on the west, Sheet T-8227 on the east and Sheet T-8223 on the South.

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

There are no existing topographic maps of this area for comparison with Sheet T-8228.

GEOGRAPHIC NAMES

Geographic names for Sheet T-8228 were taken from General Highway and Transportation maps, Georgetown and Berkeley Counties, South Carolina. These maps were used by the field party for Geographic Name Sheets.

Respectfully submitted,

Vincent F. Simmons

Vincent F. Simmons,
Photogrammetric Aid

Forwarded by:

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

FIELD EDIT REPORT
T-8228
PROJECT-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 Nos. T-8224 and T-8227.

Vertical accuracy tests are the subject of special report for Project 285.

Submitted by

Louis Levin per J.L.G.

Louis Levin
Photogrammetric Aid

Approved and Forwarded

F. L. Gallen

F. L. Gallen
Chief of Party

Remarks.

Decisions

1		
2		332794
3		
4		
5		
6		332794
7	New name, not in original names report	"
8		332795
9		"
10		"
11	Pending with USGB	332794
12	" "	"
13		332795
14		"
15		"
16		"
17		"
18		332796
19		"
20		"
21		"
22		"
23		332795
24		333796
25		"
26		"
27	Names Report and name sheet show Boety Bay here. Suggest setting up 2 names pending inquiry.	"

GEOGRAPHIC NAMES

Survey No. T-8228

CEDAR CREEK quadrangle

No. 1 Name on Survey

	A	B	C	D	E	F	G	H	K	
Santee River	✓		✓							1
Santee Swamp	✓		✓							2
Georgetown County	✓		✓							3
Berkeley County	✓		✓							4
Francis Marion National Forest		✓	✓							5
Cedar Creek		✓	✓							6
Jack Hill		✓	✓							7
Foot Log Slough		✓	✓							8
Big Hill		✓	✓							9
The Cutoff		✓	✓							10
Wadmacon Island		✓	✓							11
Wadmacon River		✓	✓							12
Foster Ldg. (Abd.)			X							13
Wilson Ldg. (Abd.)			X							14
Mill Creek		✓	✓							15
Price Landing Road		✓	✓							16
Price Ldg. (Abd.)			✓							17
Doe Ldg. (Abd.)			X							18
Guilliard Ldg. (Abd.)			X							19
Guilliard Lake		✓	✓							20
Guilliard Road		✓	✓							21
Gavel Run		✓	✓							22
Leston Ldg. (Abd.)			X							23
Dawhoo Lake		✓	✓							24
Cab Apple Branch		✓	✓							25
Bino Bay		✓	✓							26
Mackey Bay		✓	✓							27

Remarks

Decisions

1		333796
2		333795
3		333794
4		333795
5		"
6		"
7		"
8	A new name, not in original names report	"
9		332795
10		333795
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		Railway Guide
20		
21		
22		
23		
24		Road Maps
25		
26		
27		

GEOGRAPHIC NAMES

Survey No. T-8228

No. 2

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K
Bailey Road	✓		✓						1
Bond Swamp Bridge	✓		✓						2
Bond Swamp	✓		✓						3
Ten Acre Road	✓		✓						4
Canaan Branch	✓		✓						5
Canaan Bay	✓		✓						6
Sampit Road	✓		✓						7
Lambert Town	✓		✓						8
Wilkes Branch	✓		✓						9
Wilkes Bridge	✓		✓						10
Dawhoo Road	✓		✓						11
Walker Road	✓		✓						12
New Road	✓		✓						13
Hangmans Tree	✓		✓						14
Ditch Branch	✓		✓						15
Burnt Bridge	✓		✓						16
Summons Swamp	✓		✓						17
Summons Swamp Bridge	✓		✓						18
Seaboard Air Line Railway	✓		✓						19
Andrews (Pt.) Black River Twp 4			✓						20
Sampit (Pt. Gourdin Twp 2			✓						21
St. James Santee Twp			✓						22
Gal Branch			✓						23
State Highway No. 528			✓						24
									25
									26
									27

names and places
by L. Heck 9/13/42

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-8228

CEDAR CREEK 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 test was run in quadrangle T-8227.

The nearest vertical accuracy test was run in quadrangle T-8227.

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 chart covers 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 Sept. 1943 By M. V. Parker
under direction of D. H. Benson (per H. M.)

Inspected by B. G. Jones B.G. Jones 7/2/46

Examined and approved:

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

~~Chief, Topography Section~~

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