

original

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8202

8202

Form 504	
U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey <u>Air Photographic Topographic</u>	
Field No. <u>none</u>	Office No. <u>T-8202</u>
LOCALITY	
State <u>North Carolina & South Carolina</u>	
General locality <u>Waccamaw River</u>	
Locality <u>Olyphic, N. C.</u>	
1943	
CHIEF OF PARTY <u>F. L. Gallen</u> <u>Fred. L. Peacock</u>	
LIBRARY & ARCHIVES	
DATE <u>June 27, 1946</u>	

DATA RECORD

T-8202

Quadrangle (II): Longs 7½' Quadrangle
 Field Office: Myrtle Beach, S. C.
 Compilation Office: Baltimore, Maryland
 Instructions dated (II III): July 15, Oct. 19, 23,)
 Oct. 27, Dec. 17,) 1942

Project No. (II):
 CS-284

Chief of Party:

F. L. Gallen

Chief of Party:

Fred. L. Peacock

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

Completed survey received in office: 5/43

Reported to Nautical Chart Section: 1/45

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

Redrafting Completed: 12/43

Registered: 5/46 Published: 4/44

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

Scale Factor (III): none

Geographic Datum (III): N.A. 1927 Datum Plane (III): Mean Sea Level

Reference Station (III): Olyphic, 1942

Lat.: 33° 58' 02.188" 67.4 Long.: 78° 40' 40.110" 1029.7 Adjusted
 (1781.2)m. (510.7)m. ~~fixed~~

State Plane Coordinates (VI):
 North Carolina (single zone)

X = 2,097,707.32

Y = 79,237.58

South Carolina, north zone
 (not available)

(state grid coordinates have not
 been computed as of date
 of this report)

Military Grid Zone (VI) 'B'

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
Nine Lens				
8170 to 8173 Inc.	4/1/42	2:23p.m.	1:20,000	No. Tidal Water
8186 to 8187 Inc.	4/1/42	2:44p.m.	1:20,000	No. Tidal Water
8214 to 8217 Inc.	4/2/42	11:23a.m.	1:20,000	No Tidal Water
8223 to 8225 Inc.	4/2/42	12:24p.m.	1:20,000	No. Tidal Water

Tide from (III):

Mean Range:

Spring Range:

Camera: (Kind or source) U. S. Coast & Geodetic Survey nine lens camera
(Focal length 8 $\frac{1}{4}$ ")

Contouring and
Field Inspection/ by: J.R. Evans and L.G. Chambers date: Jan., Feb., 1943

Field Edit by: Louis Levin date: June, 1943

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

Projection and Grids ruled by (III) Wash. Office date: unknown

" " " checked by: Wash. Office date: unknown

Control plotted by: Raymond Glaser & Joseph Steinberg date: Feb. 1, 1943

Control checked by: J. Edward Deal, Jr. date: Feb. 2, 1943

Radial Plot by: J. Edward Deal, Jr., & Joseph Steinberg date: Feb. 2, 1943
Feb. 23, 1943

Detailed by: John M. Reinoldi date: 2/24-4/1/43

Reviewed in compilation office by: Henry P. Eichert date: 4/27-5/1/43

Elevations on Field Edit Sheet
checked by: Roy Roberts date: 6/30/43

STATISTICS (III)

Land Area (Sq Statute Miles): 58

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~~²

Number of Temporary Hydrographic Stations located by radial plot:

none

Leveling (to control contours) ^{Statute} -/miles: 36

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. 284, 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 ~~Temp~~ 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-8202
PROJECT CS-284
F. L. GALLEN, CHIEF OF PARTY.

1. The area covered by this quadrangle is generally low and swampy except for the land lying west of Buck Creek, which rises abruptly out of the swamp to an elevation of about 40 feet, or 20 feet higher than the Buck Creek Swamp. The north-central section of this quadrangle is flat and poorly drained, with small swamps where water stands in wet weather. Large flat grassy savannahs lie along the Waccamaw River. These average two feet higher than the surrounding swamps and are cut by numerous small swamps which enter the savannahs from the south or west.

The drainage for this area follows a well developed pattern. A large portion of the drainage is accomplished by the Waccamaw River, which enters the quadrangle in the northeast corner, flows southwest and leaves by the southeast corner. Drainage for the west side of the quadrangle flows into Buck Creek, which in turn flows into Waccamaw River about two miles southeast of Longs Cross Roads.

The roads in this whole area are generally poor in wet weather, being composed of natural dirt and sand, except for State Route No. 9, which is a Class 1 type.

2. The field inspection is believed to be complete except for some small items erroneously omitted, which may be noted in the field edit and the classification of bridges, which will also be added at that time.

3. See report for Quadrangle T-8189.

4. The horizontal control for this quadrangle was established by the U. S. C. & G. Survey and by the State Local Control Survey, which established stations titled H. O. 410 to H. O. 424, inclusive, in 1935. All recovered stations which were necessary for control were pricked on the photographs and forwarded to the Baltimore Office in December, 1942.

5. Third order elevations were established on the H. O. line of traverse stations, which were established by a State local control survey in 1935. Two U. S. G. S. bench marks, 44DE and 45DE, were recovered. All bench marks necessary for vertical control were pricked on the photographs and forwarded to the Baltimore Office in December, 1942.

See paragraph two, side heading 5, of the Report for Quadrangle T-8189 for information concerning supplementary level lines.

6. See Report for Quadrangle T-8189.

7-13, inclusive, do not apply to this area.

14. Roads were classified according to instructions, a copy of which is attached to the Report for Quadrangle T-8189.

15. See Report for Quadrangle T-8189.

16. See Report for Quadrangle T-8189.

17. The North Carolina-South Carolina state line can be drawn on the map from the geographic positions of the state line monuments which have been pricked on the photographs during recovery operations. Political boundaries will be added during field edit.

18. Geographic Names for this quadrangle are the subject for special report by A. J. Wraight on Project CS-234. L.A.

19. Junctions with Quadrangle T-8195 on the north have been made and checked in the field.

Junctions with Quadrangle T-8201 on the east have been made and checked in the field.

Junctions with Quadrangle T-8206 on the south have been made and checked in the field.

Junctions with the Nixonville Quadrangle, U. S. G. S., were satisfactory with two exceptions:

(1) Near Lat. $38^{\circ}55'$, Long. $78^{\circ}45'$, the 40-foot contour was shown on the U. S. G. S. quadrangle in the wrong position. This was thoroughly checked in the field and the proper position for this contour is indicated on photograph 8216.

(2) Near Lat. $38^{\circ}55'$, Long. $78^{\circ}45'$, the 20-foot contour was shown on the U. S. G. S. quadrangle in the wrong position. This was thoroughly checked in the field and the proper position indicated on photograph 8216.

Elevations adjacent to the contours in question bear out the revised positions.

The contours along the junction of T-8202 and Nixonville quadrangle were transferred from the U. S. G. S. unedited advance sheet to the photographs used by this party before contouring was started. This afforded a better opportunity for comparison and revision where necessary.

Approved:

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

L. G. Chambers
L. G. Chambers,
Prin. Photogrammetric Aid.

26 CONTROL:

Eight Triangulation Stations shown within the limits of this map manuscript and five Triangulation Stations shown within one minute of the limits of this map manuscript, were used as control for secondary and detail points.

Triangulation Stations within the limits of this map manuscript are:

H.O. 410, 1942 (Civil Works Administration)
H.O. 412, 1942 (Civil Works Administration)
H.O. 415, 1942 (Civil Works Administration)
H.O. 419, 1942 (Civil Works Administration)
H.O. 423, 1942 (Civil Works Administration)
Olyphic, 1942 (U. S. C. & G. S.)
State Line Mon., 1934 (U. S. C. & G. S.)
Conway, Pineway, Loris Road Fork, Wampee Quad. (U.S.G.S.)

Triangulation Stations within one minute of the limits of this map manuscript are:

H.O. 81 (Civil Works Administration)
H.O. 307 (Civil Works Administration)
H.O. 402 (Civil Works Administration)
H.O. 426 (Civil Works Administration)
Leon, 1932 (U. S. C. & G. S.)

27 RADIAL PLOT:

The radial plot for this map manuscript will be described in Section 1 of the descriptive report for the radial plot of Projects CS-275 and CS-284, which will be submitted in the near future.

28 DETAILING:

Nine lens unmounted photographs were used for the compilation of this map manuscript.

A small area in the southwest section of this map manuscript, outlined on the discrepancy overlay, and a small area in the southeast section of this map manuscript, also outlined on the discrepancy overlay, were not field inspected. Drainage shown in these areas was interpreted from stereoscopic examination of the office photographs. Wooded area classifications were interpreted by comparison with other similar wooded areas which had been field inspected and classified.

The remaining area of the map manuscript was satisfactorily field inspected for office interpretation of the photographs.

All drainage, as field inspected, was verified on the office photographs by stereoscopic examination and some slight alterations were made.

28 DETAILING: (cont'd)

Additional drainage, revealed by stereoscopic examination of the office photographs, has been shown by a dot and dash symbol.

Where the field inspection party did not furnish this compilation office with the limits of swamp and marsh areas; these areas, have been shown with the usual symbol and have not been outlined with a dashed line.

29 SUPPLEMENTAL DATA:

There are no previous topographic surveys, by the U. S. Coast and Geodetic Survey, covering this area.

30 MEAN HIGH WATER LINE:

No navigable waters on this map manuscript.

31 LOW WATER AND SHOAL LINES:

No navigable waters on this map manuscript.

32 DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE:

There were no details offshore from the mean high water line.

33 WHARVES AND SHORELINE STRUCTURES:

There were no wharves or shoreline structures.

34 LANDMARKS AND AIDS TO NAVIGATION:

There were no landmarks or aids to navigation.

35 HYDROGRAPHIC CONTROL:

There was no hydrographic control.

37 DISCREPANCY OVERLAY:

A discrepancy overlay has been prepared to accompany this map manuscript. On it are shown two areas which have not been field inspected, and State and County Boundary lines. Appropriate notes which will aid the field edit party during the field edit, have been shown. A set of general notes are shown for interpretation of symbols and clarification of the map manuscript detail. The names or numbers of bench marks have been shown for future use of the Baltimore Compilation Office.

38 GEOGRAPHIC NAMES:

A white print of the general highway and transportation map, Horry County, S. C. and a white print of Columbus County, North Carolina, both used as Geographic Name lists have been submitted to the compilation office by the field inspection party.

L.A.E. R. 357

38 GEOGRAPHIC NAMES: (cont'd)

A list of disputed, undisputed and recommended Geographic Names is attached to this descriptive report.

39 HORIZONTAL ACCURACY:

The horizontal accuracy of this map manuscript is believed to be within the limits set forth, for well-defined points and less well-defined points of detail in the instructions for Projects CS-284 and 285, Paragraph 59, dated July 15, 1942.

40 RECOMMENDATIONS FOR FUTURE SURVEYS:

The planimetric detail as presented on this map manuscript is believed to be complete, including all field inspection data and strict interpretation of the office photographs where field data was missing. This map manuscript is subject to a field edit for additions and corrections.

41 JUNCTIONS:

The following satisfactory junctions have been completed with this map manuscript.

To the North - T-8195

To the South - T-8206

To the East - T-8201

To the West - It is understood by this compilation office, that an acceptable survey has been made to the west of this map manuscript by another agency of the U. S. Government. This survey was not available to this compilation office for comparison of junction.

See last W. page 2, of field inspection report.

43 REMARKS:

The description as prepared by the field inspection party adequately describes the area covered by this map manuscript.

Respectfully submitted,
May 1, 1943

John M. Reinoldi
John M. Reinoldi
Senior Photogrammetric Aid

Map Manuscript, Discrepancy
Overlay and Descriptive Re-
port Reviewed by,

Henry P. Eichert
Henry P. Eichert
Jr. Photogrammetric Engineer

Compilation of Map Manuscript
Supervised by,

Joseph Steinberg
Joseph Steinberg
Asst. Photogrammetric Eng.

and

J. Edward Deal, Jr.
J. Edward Deal, Jr.
Asst. Photogrammetric Eng.

Approved & Forwarded:
May 1, 1943

Fred. L. Peacock
Fred. L. Peacock
Commander, C. & G. Survey
Officer-in-Charge
Baltimore Field Office

LIST OF GEOGRAPHIC NAMES

Undisputed

- ✓ Bellamy Landing (A.B.D.)
- ✓ Bellamy Branch
- ✓ Big Branch
- ✓ Big Branch Bridge *Big Branch*
- ✓ Big Creek Bridge
- ✓ Brooksville
- ✓ Buck Creek
- ✓ Buck Creek Bridge *Carraway Swamp*
- ✓ Camp Swamp Road
- ✓ Cedar Branch
- ✓ Cold Water Branch
- ✓ Danford Branch
- ✓ Deep Branch
- ✓ Deep Branch Bridge
- ✓ Freemont
- ✓ Freemont Road
- ✓ Indigo Bridge
- ✓ Little River Road
- Little Town
- ✓ Longs
- ✓ Marlow Branch
- ✓ Olyphic
- ✓ Pieway Road
- ✓ River Swamp *Scippio Swamp*
- ✓ Waccamaw Bridges *Stephens Crossroads (early 1842 Names Report)*
- ✓ Waccamaw River
- ✓ Wampee Road
- ✓ Worthams Cut Off
- ✓ Worthams Ferry (A.B.D.)

LIST OF GEOGRAPHIC NAMES

Recommended

✓ Big Creek
✓ Indigo Branch

Disputed

Butler Creek
Liquor Still Swamp

FIELD EDIT REPORT
T-8202
PROJECT 284
F. L. Gallen, Chief of Party

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 Quads. T-8201 and T-8189.

The vertical accuracy test is the subject of a special report for Project 284. *Nearest test on T-8195.*

Submitted by

Louis Levin per F.L.G.
Louis Levin
Photogrammetric Aid

Approved and Forwarded

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

Remarks

Decisions

	Remarks	Decisions
1		USGB
2		
3		
4		
5		Road Maps
6		"
7		
8	See Names Sheet No. 18	338786
9	Horry County Names Sheet	338787
10	"	339786
11	"	"
12	"	"
13	"	"
14	"	"
15	"	"
16	"	"
17	"	"
18	"	"
19	"	"
20	"	"
21	Columbus County Names Sheet	"
22	"	"
23	"	"
24	Brunswick County Names Sheet	"
25	"	"
26		
27		

GEOGRAPHIC NAMES

Survey No. T-8202

LONGS quadrangle

1 Name on Survey

	A	B	C	D	E	F	G	H	K
	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	
Waccamaw River		✓	✓						1
Brunswick County	N.C.	✓	✓						2
Columbus County	N.C.	✓	✓						3
Horry County	S.C.	✓	✓						4
S.C. State Highway No. 9		✓	✓						5
" " " No. 905		✓	✓						6
									7
Stephens Crossroads	✓		✓						8
Cold Water Branch	✓		✓						9
Brooksville	✓		✓						10
Wampee Road	✓		✓						11
Little River Road	✓		✓						12
Indigo Bridge	✓		✓						13
Indigo Branch	✓		✓						14
Worthams Cutoff (road)	✓		✓						15
Worthams Ferry (Abd.)	name OK		✓	for settlement	✓				16
Bellamy Branch	✓		✓						17
Marlow Branch	✓		✓						18
Fireway Road	✓		✓						19
River Swamp	✓		✓						20
Big Creek	✓		✓						21
Big Creek Bridge	✓		✓						22
Olyphic	✓		✓						23
Scipio Branch	next sheet	X							24
Cawcaw Swamp	✓	(very little on this quadrangle: east trib. of Waccamaw River)							25
									26
									27

Remarks

Decisions

	Remarks	Decisions
1	Horry County Names Sheet	339787
2	"	"
3	"	"
4	"	"
5	"	"
6	"	"
7	"	"
8	"	"
9	"	"
10	"	"
11	"	"
12	"	"
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GEOGRAPHIC NAMES

Survey No. T-8202

2 Name on Survey	<div style="display: flex; justify-content: space-between; font-size: small;"> 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 </div>									
	A	B	C	D	E	F	G	H	K	
Wacoamaw Bridges	✓		✓							1
Buck Creek	✓		✓							2
Bellamy Landing (Abd.)			X							3
Freemont	✓		✓							4
Freemont Road	✓		✓							5
Longe	✓		✓							6
Big Branch	✓		✓							7
Big Branch Bridge	✓		✓							8
Buck Creek Bridge	✓		✓							9
Little Town	✓		✓							10
Camp Swamp Road	✓		✓							11
Deep Branch	✓		✓							12
Deep Branch Bridge	✓		✓							13
Cedar Branch	✓		✓							14
Danford Branch	✓		✓							15
										16
										17
Little River Twp.	S.C.		✓							18
Simpson Creek Twp.	"		✓							19
Shalotte Twp.	(Brunswick Co.)		✓							20
Bug Hill Twp.	(Columbus Co.)		✓							21
WACCAMAW TWP			✓							22
										23
										24
										25
										26
										27

NAMES UNDER THIS SURVEY
 BY L. Heck on 10/6/43

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-8202

LONGS 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 horizontal accuracy test is on T-8201.

The closest vertical accuracy test is on T-8195.

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:

There are no navigable waters on this map manuscript.

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 1, 1943 By Willis W. St. John
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. Kney
Chief, Div. of Charts

Robert W. Kney
Chief, Nautical Chart Branch
Raymond C. Gyman
Chief, Div. of Coastal
Surveys