

8210

Diag'd. on Diag. Ch. No. 1237 + 1110

8210

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-8210</u>
LOCALITY
State <u>South Carolina</u>
General locality <u>Horry County</u>
Locality <u>Dongola</u>
<u>1943</u>
CHIEF OF PARTY
Lieut. Comdr. K. G. Crosby
Lieut. Comdr. F. L. Gallen
LIBRARY & ARCHIVES
DATE <u>September 19, 1946</u>

DATA RECORD

T- 8210

Quadrangle (II): DONGOLA

Project No. (II): 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): July 15, 1942

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

Completed survey received in office: 9/43

Reported to Nautical Chart Section: 1/45

Reviewed: 12/15/43

Applied to chart No.

Date:

Redrafting Completed: 2/44

Registered:

Published: 6/44

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. 1929

Reference Station (III): Hardwick, 1935

Lat.: 33°49'14".779 (455.34m) Long.: 79°12'31".809 (818.03) Adjusted
Unadjusted

State Plane Coordinates (VI):

South Carolina, North zone

X = 2,544,016.61 Ft.

Y = 303,483.88 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>
8256	4/2 42	1:30 PM	1:20,000	Inshore Sheet
8257	"	1:31	"	"
8258	"	1:32	"	"
8285	4/2 42	2:11	"	"
8286	"	2:13	"	"
8287	"	2:19	"	"

Tide from (III): --

Mean Range: --

Spring Range: --

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

Field Inspection by: W. E. Clark

date: Apr.-May 1943

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: 1/8/43

" " " checked by: "

date: 1/8/43

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

date: 2/12/43

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

date: 2/12/43

Radial Plot by: Tampa Office Personnel

date: 3/12/43

" " rerun by Tampa Office Personnel

6/21/43

Detailed by: M. G. Neilson, Asst. Engr. Drafts.

date: Mar.-Aug. 1943

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

date: August 1943

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

Elevations on Field Edit Sheet

checked by: L. Levin

date: Oct 1943

STATISTICS (III)

Land Area (Sq. Statute Miles); 62.0

Shoreline (More than 200 meters to opposite shore); --

Shoreline (Less than 200 meters to opposite shore); 8.5 statute miles

Number of Recoverable Topographic Stations established; --

Number of Temporary Hydrographic Stations located by radial plot;

Leveling (to control contours) - miles; 52.

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;

COMPILATION REPORT
TO ACCOMPANY
SHEET NO. T-8210

26. CONTROL

One U.S.C. and G.S. triangulation station, one S.C. (see 526 cards) Geodetic Survey and six U.S.G.S. traverse stations fall on this sheet. * Seven of these stations were used for control and one U.S.G.S. station, 2-D, was obviously off in geographic position. Radial lines through the plotted position of this station on the photographs intersected approximately twenty meters west of the plotted position on the survey sheet. It is quite probable that the positions of the other U.S.G.S. stations may be slightly off also. The numbers of these stations were assigned by the field recovery party for identification and are not official. As the stations are merely the positions of highway intersections and are not monumented, they should not be shown on the final reproduction of the quadrangle.

4 more recovered
1943.

Only 1 of the
4 could be
identified
on photos.

* None of the U.S.G.S. traverse positions were
monumented stations and thus could not be positively identified,
especially as the road along which the traverse was run has
been rebuilt and changed in places.

27. RADIAL PLOT

The main radial plot, of which T-8210 was a part, is discussed in the compilation report for sheet T-8212.

28. DETAILING

The photographs, from which the detailing was done, are of very poor scale and have a great deal of tilt.

The field inspection was satisfactory in general.

Numerous streams through swamp and other heavily wooded areas are shown on the field prints and the survey sheets with the intermittent stream symbol. These streams are evidently "probable drainage", unsurveyed" and should be investigated by the field edit party.

The hachures indicating road fills are greatly exaggerated in width and should be cut down to a more proper dimension.

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 topographic quadrangle maps were available in the Tampa Office with which a comparison could be made.

No previous U.S.C. & G.S. surveys in this area.

45. COMPARISON WITH NAUTICAL CHARTS

None of the published nautical charts show the area covered by sheet T-8210 in detail.

Respectfully submitted,

Modesta G. Neilson

Modesta G. Neilson,
Asst. Engr. Draftsman

Forwarded by:

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

FIELD INSPECTION REPORT
QUADRANGLE T-8210
PROJECT CS-285
F. L. GALEN, CHIEF OF PARTY

1. The area covered by this Quadrangle is bounded along its entire western edge by a swamp in which are several small sandy islands. The islands in the southwest section are all below the twenty-foot contour interval, while those in the northern half of the quad have several small knobs just above the twenty-foot interval. Because of their poor condition, all roads appearing on these islands should be deleted.*

** Roads which could be seen on the photographs have been shown.*

The remainder of the quad consists of numerous swamps, sandy ridges and small knolls. Drainage throughout the eastern part of the area is very poor, and numerous small circular appearing swamps are prevalent through this section. Swamp areas in this quadrangle appear very dark on the photograph while the higher land has a slightly grayish appearance. An attempt has been made to outline swamp areas with a dashed blue line because of the sharp break in terrain. The contour often follows the edge of the swamp.

All roads, with the exception of State Highway 90, are of very poor construction and not suitable for any type of heavy traffic.

2. The field inspection is believed 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. Large bays or savannahs, the result of heavy rains and poor drainage, are in many parts of the quadrangle. The symbol L. G. (low ground) indicates this condition.

Evergreen trees are usually present and the combination of the two will give almost the same appearance as swamp on the picture. Therefore, the combination of symbols L. G. and evergreen indicate the presence of the before-mentioned bays. The entire swamp along the western edge appears very dark because of the presence of very large gum and cypress trees covered with a heavy moss.

4-5-6. See Report for T-8209.

14. Roads were classified according to instructions.

15. See Section (2) of this Report.

16. All buildings to be shown on the map are circled in red. Those not circled should be deleted.

17. The Horry-Marion County line follows the centerline of the Pee Dee River. Political boundary lines will be added at the time of field edit.

18. Geographic Names is the subject of a separate report.
Which is filed in the "Geographic Names" Section

Respectfully submitted,

William E. Clark
William E. Clark,
Sr. Photogrammetric Aid.

Approved and forwarded:

F. L. Gallen

F. L. Gallen,
Chief of Party.

FIELD EDIT REPORT
QUADRANGLE T-8210
PROJECT CS-285

18. After considerable investigation in the field it is recommended that the following Geographic names be deleted. These names were all shown on the map manuscript in the vicinity of the Little Pee Dee Swamp which lies in the western part of the Quad. As there were no topographic features shown on the map manuscript to identify these names, an attempt was made to locate them in the field, however after questioning a number of farmers in the vicinity none of these streams could be located.

LA.

- ✓ Johnston Creek
- ✓ Island Creek
- ✓ Dwight Creek
- Lake Swamp, Lake Swamp Bridge (Should be Brown Swamp Bridge)
- Singleton Creek

46. The field edit on this Quad. was accomplished by visual inspection making all additions and corrections on the map manuscript in the field and transferring all detail to a smooth copy while inking.

The following color scheme was used:

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

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 Quad. *

Filed in B.G. Jones Unit

The vertical accuracy test is the subject of a special report for Project CS-285. *Accuracy test on this quad made on photo 8286, and was satisfactory. Filed in B.G. Jones Topo. Review unit.*

Approved and forwarded

F. L. Gallen

F. L. Gallen
Chief of Party

Submitted by

Louis Levin for J.P.P.

Louis Levin
Photo. Aid.

* The Orig. Acc. Traverse disclosed systematic error in the plot to a maximum of 0.68 feet, due to too great reliance on some of the U.S.G.S. traverse points which could not be positively identified. By using the test traverse positions the plot details were improved by the reviewer. The manuscript now conforms with Natl. Map accuracy requirements.

T-8210

No. 1

Remarks

Decisions

1		
2		
3		337792
4		Road Maps
5		"
6		
7		
8		
9		
10		
11		337791
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		338791
22		"
23		337791
24		"
25		338791
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8210

DONGOLA quadrangle

1	Name on Survey	A	B	C	D	E	F	G	H	K	
	Horry County	✓									1
	Marion County	✓									2
	Little Pee Dee River	✓									3
	State Highway 510	✓									4
	" " 90	✓									5
	Bucks Twp (Horry Co.)										6
	Dog Bluff Twp "										7
	Brittons Neck Twp (Marion Co.)										8
	Woodbury Twp "										9
	CONWAY TWP										10
	Pawleys Swamp Road	✓									11
	Bucksville Road	✓									12
	Pawleys Swamp	✓									13
	Pawleys Swamp Bridge	✓									14
	Sarah Branch	✓									15
	Dongola	✓									16
	Dongola Road	✓									17
	Pee Dee Road	✓									18
	Browns Short Cut	✓ (Road)									19
	Canon Hill	✓ (settlement)									20
	Catas Bay Road	✓									21
	Cypress Swamp Bridge	✓									22
	Rattlesnake Bridge	✓									23
	Big Cypress Swamp	✓									24
	Brownway	✓									25
	Brownway Branch	✓									26
	Brownway Bridge	✓									27

T-8210

No. 2

Remarks

Decisions

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

GEOGRAPHIC NAMES

Survey No. T-8210

GEOGRAPHIC NAMES											
Survey No. T-8210											
		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		
2	Name on Survey	A,	B,	C,	D	E	F	G	H	K	
	<u>Hendricks Road</u>	✓									1
	<u>Hendricks Corner</u>	✓									2
	<u>Singleton Crossroads</u>	✓									3
	<u>Forney</u>	✓									4
	<u>Forney Branch</u>	✓									5
	<u>Forney Bridge</u>	✓									6
	<u>Jenkins Swamp</u>	✓									7
	<u>Jenkins Swamp Bridge</u>	✓									8
	<u>Cates Bay</u>	✓									9
	<u>Cedar Grove Branch</u>	✓									10
	<u>Cedar Grove</u>	✓	(settlement: name OK if any of it here)								11
	<u>Potato Bed Ferry Road</u>	✓									12
	<u>Boyd Canal</u>	✓									13
	<u>Oakey Bay</u>	✓	Settlement								14
	<u>Guiton Crossing</u>	✓									15
	<u>Guiton Road</u>	✓									16
	<u>Ned Swamp</u>	✓	(area)								17
	<u>Ned Creek</u>	✓									18
	<u>Jordanville Road</u>	✓									19
	<u>Juniper Bay</u>	✓	(area)								20
	<u>Juniper Bay</u>	✓	(stream)								21
	<u>Burgan</u>	✓									22
	<u>Calhoun Branch</u>	✓									23
	<u>Davis Branch</u>		(only part of it on this quad.) shown 8208								24
	<u>Brown Swamp</u>	✓	(stream: note error with Kudge Bay)								25
	<u>Kudge Bay</u>	✓	(stream)								26
	<u>Lewis Mill Branch</u>	✓									27

M 234

T-8210

No. 3

Remarks

Decisions

1	See Field Edit Report: not Lake Swamp Bridge	338792
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		337792
16		338792
17		"
18		"
19		"
20		"
21		337792
22		338792
23		"
24		337792
25		337791
26		337792
27		"

GEOGRAPHIC NAMES

Survey No. T-8210

3	Name on Survey	A.	B.	C.	D	E	F	G	H	K	
/	Brown Swamp Bridge	(instead of		Lake	Swamp	Bridge	on name sheet)				1
/	Atkinson Branch	✓									2
/	Jordan Lake	✓									3
/	Todd Mill	✓									4
/	Todd Mill Branch	✓									5
/	Running Branch	✓									6
/	Church Branch	✓									7
/	Church Branch Bridge	✓									8
/	Pee Dee Crossroads	✓									9
/	Bunker Hill	✓									10
/	Bunker Hill Branch	✓									11
/	Twelve Mile	✓									12
/	Alfred Creek	✓									13
/	Singleton Island	✓									14
/	Little Pee Dee Swamp	✓									15
/	Potato Bed Ferry Bridge	(to west of quad.?)									16
/	Paga Lake	✓									17
/	Red Hill	✓									18
/	Red Hill Branch	✓									19
/	James Lake	✓✓									20
/	Hunting Swamp	✓									21
/	Hunting Swamp Bridge	✓									22
/	James Creek	✓									23
/	Woodbury	✓									24
/	Russ Creek	✓									25
/	Punchpole Ldg. (Abd.)										26
/	Britton Neck	✓									27

M 234

T-8210

No. 4

Remarks

Decisions

1	In SW corner of quadrangle.	337792
2		
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GEOGRAPHIC NAMES

Survey No. T-8210

[illegible]

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 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.

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~~ — ~~Survey~~ 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-8210

DONGOLA 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

A horizontal and a vertical accuracy test were run in this area and both were satisfactory. For further information see the reports on accuracy test filed under project 285 in the Division of Photogrammetry files.

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:

This is an 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. 6, 1943 By William D. Harris
under direction of D. H. Benson

Inspected by B. G. Jones B.G. Jones 8/46

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 Division
Raymond E. Ryan
Chief, Div. of Coastal
Surveys