

8200

inverted

Diag'd. on Diag. Ch. 10-1236-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photographic Topographic

Field No. _____ Office No. T-8200

LOCALITY

State North Carolina

Atlantic Ocean Coast

General locality Shallotte Inlet to Tubbs Inlet

Locality Shallotte, N. C.

1943

CHIEF OF PARTY

Fl. Gallen and

Fred. L. Peacock

LIBRARY & ARCHIVES

DATE August 5, 1946

B-1870-1 (1)

8200

781

DATA RECORD

T- 8200

Quadrangle (II): Shallotte,
7½ minute quadrangle

Project No. (II): CS 275

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

Compilation Office:
Baltimore, Maryland

Chief of Party: Fred. L. Peacock

Instructions dated (II III): Copy filed in Descriptive
Jan. 23, July 15, Oct. 19, Oct. 23, Oct. 27, Report No. T- (VI)
1942

Completed survey received in office: 6/43

Reported to Nautical Chart Section: 1/45

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

Redrafting Completed: 1/44

Registered: 7/46 Published: 4/44

Compilation Scale: 1:20,000 Published Scale: 1:31,680

Scale Factor (III): None

Geographic Datum (III): N.A. 1927(adj) Datum Plane (III): Mean sea level

Reference Station (III): Sylvia, 1934

Lat.: 33° 55' 29.206" Long.: 78° 27' 37.697" Adjusted
899.8 m. (948.8 m.) 968.3 m. (572.9 m.) ~~Unadjusted~~

State Plane Coordinates (VI): *North Carolina Single Zone*

X = 2,163,700.11 ft.

Y = 64,057.76 ft.

Military Grid Zone (VI)

"B"

B

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
8135 to 8137	4/1/42	1:08 P.M.	1:20,000	0.68' below M. L. W.
8150 to 8155	4/1/42	1:30 P.M.	1:20,000	0.70' below M. L. W.
8434 to 8436	4/6/42	clock stopped	1:20,000	-----

Tide from (III): Predicted tables. Reference station, Charleston, S. C.
with time correction for Shallotte Inlet (Bowen Pt.)

Mean Range: 4.6'

Spring Range: 5.4'

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

Field Inspection/and contouring
by: A. M. Jylha

date: Feb. Mar.
1943

Field Edit by: *Louis Levin*

date: *July, 1943*

Date of Mean High-Water Line Location (III): April, 1943

Projection and Grids ruled by (III) Washington Office date: Jan. 1943

" " " checked by: Washington Office date: Jan. 1943

Control plotted by: Raymond Glaser date: Jan. 25, 1943

Control checked by: William H. VanLoon date: Jan. 26, 1943

Radial Plot by: J. Edward Deal, Jr. and Joseph Steinberg date: 2/1-23/43

Detailed by: Edward H. Snyder date: 5/7-6/21/43

Reviewed in compilation office by: William H. VanLoon date: 6/25/43

Elevations on Field Edit Sheet
checked by: *J. H. Stewart*
91

date: *9/15/43*

STATISTICS (III)

Land Area (Sq. Statute Miles): 52

Shoreline (More than 200 meters to opposite shore):
12.6 statute miles

Shoreline (Less than 200 meters to opposite shore):
30.0 statute miles - centerlines of streams only.

Number of Recoverable Topographic Stations established:
16 - aids to navigation as established by field party by plane table
4 - azimuth reference marks established by radial resection

Number of Temporary Hydrographic Stations located by radial
plot: None

Leveling (to control contours) - miles: 44

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 - 8200
PROJECT CS-275
F. L. GAILLEN, CHIEF OF PARTY

1. The area covered by this quadrangle consists of very irregular rolling land with a great number of streams, ravines and man-made ditches. Photo 8151 is exceedingly chopped up and very irregular with no systematic pattern whatsoever. There are innumerable streams and ravines in this particular area and only in rare cases are the hillsides anywhere nearly equidistant from the bed of the stream as is usually the case in an old peneplaned area such as this. A better conception of sudden land configuration change can be had by comparing Photo 8151 and Photo 8154.

Only the valley bottoms are farmed. The higher lands are sparsely timbered. The swampy areas are more thickly wooded with thick underbrush. The soil in the area is very loose and sandy. All the streams have "U" shaped bottom and the gradient is small.

It is doubtful if the main stream and its upper beaches are exactly as sketched in the NE portion of photo 8151. This area is rough, thickly wooded and the underbrush is bad.

2. Field inspection is complete.?
3. The photographs are typical but the scale factor varied considerably in portions of the photographs but in general was good.
4. Horizontal control for this quadrangle consisted of C. & G. S. triangulation stations which were recovered and pricked on the photographs and forwarded to the Baltimore Office in December, 1942.
5. Vertical control consisted of C. & G. S. first and second order Bench Marks and supplemental level lines run by this party. Bench Marks were pricked on the recovery photos forwarded to Baltimore in December, 1942.
6. Standard equipment was used in survey methods and all streams were put on the photographs under a stereoscope before entering the field. Doubtful locations were corrected in the field and later rechecked under the stereoscope.

Due to the irregularity of the country, sketching was very limited and very little hand leveling resorted to. Nearly all work was by plane-table shots.

11. All beacons and lights have been checked and a few relocated. Positions are submitted on form No. 567.

14. All roads classed as "Rd 3" are a very poor grade three but as they are county roads and appear to be regularly maintained and repaired, it seemed wiser to classify them as three. All roads classified as Rd 4U are poor with a loose sandy soil and barely passable during rainy periods. However, due to the nature of the soil they dry up very rapidly.

15. Bridge classification will be made at the time of field edit.

16. All buildings to be shown on the map manuscript are circled in red.

17. Political boundaries will be added during field edit.

18. Geographic Names are the subject of a special report for this project. *L.H.*
(two reports)

19. Junctions with quadrangles Nos. T-8199, T-8193 and T-8201 have been checked.

Submitted by,

A.M. Jylha per F.L.G.
A. M. Jylha,
Sr. Photogrammetric Aid.

Approved and forwarded:

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

26 CONTROL:

Ten U. S. Coast & Geodetic Survey triangulation stations, recovered by the field party were used as control to establish secondary and detail control points on this map manuscript. Six of these triangulation stations are inside the limits and four are just outside the limits of this quadrangle.

The triangulation stations within the limits are:

- ✓ SHALLOTTE (FIRE TOWER), 1942
- ✓ SYLVIA, 1934 (F.I.S.)
- ✓ SAUCE, 1934
- ✓ PIGGOTT, 1932, 1934 (F.I.S.)
- ✓ BRICK, 1934 (F.I.S.)
- SEASIDE, 1934

Those triangulation stations outside the limits are:

- GRISSETT, 1934
- PIVER, 1932 (F.I.S.)
- SHALLOTTE, 1934
- TAR, 1934 (F.I.S.)

Field inspection stations were established by the field inspection party at well-defined points near five of these ten stations. This assured accurate picking of these five stations on the office photographs. They are shown with small orange ink circles on the reverse side of this map manuscript.

27 RADIAL PLOT:

The radial plot for this map manuscript has been described in section one and section two of the descriptive report for the radial plots of Projects CS 275 and CS 284 which has been previously submitted.

28 DETAILING:

In general, the field inspection data, as furnished the compilation office, was satisfactory. Buildings, tree and road classifications were well covered but only a partial field inspection was made of the limits of swamp areas. Considerable differences of interpretation of marsh and mud areas between two units of the field inspection party were noticeable. The compilation office has endeavored to interpret the area between the Intra-Coastal Waterway and the Atlantic Ocean from office examination of the photographs making use of the field inspection data as much as possible.

The compilation office was furnished a red line print on celluloid of a compilation of surveys made in 1935, covering the area of this map manuscript, which was to be corrected as of the date of the 1942 nine lens photographs. After the positions of numerous well-defined points had been determined, it was found necessary to relocate some of the de-

28 DETAILING: (Cont'd)

tail shown on this red line print due to topographic and cultural changes. The shore line was corrected to conform with various changes indicated by the photographs.

The original red line print of the 1935 compilation was larger in area than the $7\frac{1}{2}$ minute quadrangle designated for this survey, and has been corrected to the limits of the quadrangle.

In addition a portion of shoreline, which includes Tubbs Inlet, falling below the southwestern corner of this $7\frac{1}{2}$ minute quadrangle, and to which no quadrangle has been assigned, has been included as a part of this map manuscript.

29 SUPPLEMENTAL DATA:

The following previous topographic surveys, by the U. S. Coast & Geodetic Survey, have been made and cover portions of this map manuscript:

Survey No. T-725a	dated 1858-59	scale of 1:10,000
Survey No. T-725b	dated 1859-60	scale of 1:10,000
Survey No. T-1959	dated 1859-60	scale of 1:10,000
Survey No. T-4097	dated 1924	scale of 1:20,000

These surveys were not available to this compilation office, and a comparison with this map manuscript could not be made.

30 MEAN HIGH WATER LINE:

The stage of tide of all the nine lens photographs furnished this compilation office, was computed and found to be below mean low water. Partial data, only on the high water line along the Atlantic Coast and the Intra-Coastal Waterway was furnished by the field inspection party.

Changes in the high water line as shown on the 1935 compilation were made after careful stereoscopic examination of the office photographs.

31 LOW WATER AND SHOAL LINES:

As the nine lens photographs were made when the tide was below mean low water no difficulty was encountered when interpreting low water areas, and they have been fully indicated on this map manuscript.

No shoal lines were indicated by field inspection and only those apparent on the photographs were delineated.

32 DETAILS OFFSHORE FROM THE HIGH WATER LINE:

No offshore details were noted by the field inspection party nor observed on the office photographs.

33 WHARVES AND SHORELINE STRUCTURES:

Wharves were noted in several places by the field inspection.

33 WHARVES AND SHORELINE STRUCTURES: (Cont'd)

Others were observed from examination of the office photographs. All were detailed and labeled.

34 LANDMARKS AND AIDS TO NAVIGATION:

This map manuscript includes sixteen non-floating aids to navigation which are along the Intra-coastal Waterway. These are lights and beacons which were located from planetable survey by the field inspection party and are shown on a print of the 1935 compilation. They were transferred from this print to the map manuscript. On April 2, 1943, the field inspection party submitted to the Washington Office form 567 for these aids to navigation. This compilation office assumes that form 524 has also been submitted by the field party for these aids to navigation.

35 HYDROGRAPHIC CONTROL:

Sixteen aids to navigation, described in paragraph 34 above are suitable as partial control for future hydrographic surveys.

37 DISCREPANCY OVERLAY:

A discrepancy overlay has been prepared to accompany this map manuscript. On it are noted differences of interpretation between two units of the field inspection party who inspected the same area. Also pertinent notes are included which will be of aid to the field edit party in interpreting the detail shown on this map manuscript. The names or numbers of bench marks have been shown for use of the Baltimore Compilation Office when scaling the position of bench marks from the red line print.

38 GEOGRAPHIC NAMES:

This compilation office was furnished a print of Brunswick County, South Carolina by the field inspection party on which that party had noted geographic names outside the limits of the 1935 compilation only.

Those geographic names that were on the red line print of the 1935 compilation were not changed by the compilation office and are assumed to be correct.

39 HORIZONTAL ACCURACY:

The horizontal accuracy of this map manuscript is believed to be within the limits set forth, for well-defined and less well-defined points of detail, in the instructions for CS 275, paragraph 36; dated January 23, 1942.

40 RECOMMENDATION 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 lack-

40 RECOMMENDATION FOR FUTURE SURVEYS: (Cont'd)

ing. This map manuscript is subject to a field edit for additions and corrections.

41 JUNCTIONS:

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

To the North; Survey No. T-8193

To the East; Survey No. T-8199

To the West; Survey No. T-8201

To the South, the Atlantic Ocean borders this map manuscript.

42 REMARKS:

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

43 AZIMUTH REFERENCE MONUMENTS:

Four azimuth reference monuments fall within the limits of this map manuscript. These were pricked direct on the field prints by the field inspection party and submitted to the compilation office. They were transferred to the office photographs.

The azimuth reference monuments are:

BRICK AZIMUTH
PIGGOTT AZIMUTH
SAUCE AZIMUTH
SYLVIA AZIMUTH

The locations and descriptions of these monuments are submitted on form 524 herewith.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

No existing topographic quadrangles of this area were available to this compilation office, therefore, no comparison with this map manuscript could be made. A map of Columbus County, North Carolina, State Highway and Public Works Commission, Scale 1 mile to 1 inch was furnished the compilation office by the field party. Due to lack of minute detail a good comparison could not be made. In general the common roads were in agreement.

45 COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with U. S. Coast and Geodetic Survey Chart No. 835, dated January 7, 1943, and reissued April 15, 1943; scale 1:40,000. Generally the shoreline features are in good agreement. At SHALLOTTE INLET and TUBBS INLET noticeable changes have taken place in the shoreline.

45 COMPARISON WITH NAUTICAL CHARTS: (Cont'd)

The compilation office has been informed by the field party that the shoreline along this section of the Atlantic Coast is subject to continual change especially in the vicinity of the inlets.

Respectfully submitted,

Edward H. Snyder
Edward H. Snyder
Photogrammetric Aid

Map manuscript, discrepancy
overlay and descriptive report
reviewed by,

William H. Van Loon
William H. VanLoon
Pr. Photogrammetric Aid

Compilation of Map Manuscript
supervised by,

Joseph Steinberg
Joseph Steinberg
Asst. Photogrammetric Engineer

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

Approved and Forwarded,

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

GEOGRAPHIC NAMES

Undisputed

Cawcaw Bay
Cool Run (town)
Cool Run
Good Luck Bay
Head O'Bay
Head O'Th' Forks
Hutson Ridge
Little Shallotte Bridge
Mulberry Branch

Mulberry Bridge
Piver Bays
Russtown
Shallotte
Shallotte River
Shallotte River Bridge
Starboard Road
Woodward Branch

Disputed

Brooks Creek
Mill Branch

Recommended

Saw Pit Swamp
McMilly Swamp

Plus numerous names near coast from
earlier Report on names (S.R. 23, 1940)

FIELD EDIT REPORT
T-8200
PROJECT CS-275

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

The following color scheme was used:

FEATURES	COLORS
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. Horizontal accuracy tests were run in Quads T-8193 and T-8201

Vertical accuracy tests are the subject of a special report for project CS-275.

Submitted by

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

Approved and Forwarded

F. L. Gallen

F. L. Gallen
Chief of Party

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEYQUADRA~~NG~~LE NO. 8200

Page 1 of 2

TO BE CHARTED
~~TO BE DELETED~~

STRIKE OUT ONE

LANDMARKS FOR CHARTS

AIDS TO NAVIGATION

Myrtle Beach, S. C.

April 19 19 43

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks, be charted on (deleted from) the charts indicated.

The positions given have been checked after listing.

Original copy sent to Washington 4/21/43

F. I. Gallen												Chief of Party.		
GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
		LATITUDE		LONGITUDE										
		0	1	D. M. METERS	0	1	D. P. METERS							DATUM
	Light #78, Intracoastal Waterway	33	54	1337	78	22	1038	N. A. 1927	Plane- table	March, 1943			835	
	Beacon #80 "	33	54	986	78	22	1473	"	"	"			"	
	Light #82 "	33	54	591	78	23	356	"	"	"			"	
	Light #84 "	33	54	452	78	23	1109	"	"	"			"	
	Light #85 "	33	54	330	78	24	143	"	"	"			"	
	Beacon #87 "	33	54	150	78	24	977	"	"	"			"	
	Beacon #89 "	33	53	1792	78	25	173	"	"	"			"	
	Light #90 "	33	53	1610	78	25	940	"	"	"			"	
	Beacon #91 "	33	53	1436	78	26	53	"	"	"			"	
	Light #93 "	33	53	1242	78	26	1027	"	"	"			"	
	Beacon #95 "	33	53	1025	78	27	376	"	"	"			"	
	Beacon #97 "	33	53	826	78	27	1162	"	"	"			"	
	Light #98, Inland Waterway	33	53	767	78	28	107	"	"	"			"	

Chief of Party.

F. L. Gallen

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

QUADRANGLE NO. 8200
Page 2 of 2

LANDMARKS-FOR-CHARTS

STRIKE OUT ONE

TO BE CHARTED
~~TO BE DEFIED~~

Myrtle Beach, S. C.

April 19____, 19⁴³

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks, be charted on (deleted from) the charts indicated.

The positions given have been checked after listing.

T. L. Gallen

Chief of Party.

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

No. 1

Remarks

Decisions

1		USGB
2		
3		Road Maps
4		" "
5		
6		
7		
8		338783
9		338784
10	Outer beach, Shallotte Inlet to Tubbs Inlet	" USGB
11		"
12		"
13		"
14		" USGB
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		"
24		"
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8200

SHALLOTTE quadrangle

1	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	
	Intracoastal Waterway	✓		✓						1
	Brunswick County	✓		✓						2
	U.S. Highway No. 17	✓		✓						3
	N.C. Highway 190	✓		✓						4
	Shallotte Twp.	✓		✓						5
	Lockwoods Folly Twp.	✓		✓						6
	Waccamaw Twp.	✓		✓						7
	Shallotte Inlet	✓		✓						8
	Shallotte Sound	✓		✓						9
	Hales Beach	✓		✓						10
	Gause Landing	✓		✓						11
	Eastern Channel	✓		✓						12
	Tubbs Inlet	✓		✓						13
	Kilbart Slough	✓		✓						14
	Gause Landing Creek	✓		✓						15
	Apricot Creek	✓		✓						16
	Needham Hole Creek	too small		✓						17
	Spring Branch	✓		✓						18
	Gold Mine Creek	✓		✓						19
	Clam Creek	✓		✓						20
	Sols Island	✓		✓						21
	Sols Creek	✓		✓						22
	Horse Ford Creek	✓		✓						23
	Still Creek	✓		✓						24
	Jinks Creek	✓		✓						25
	Cooter Creek	✓		✓						26
	Catfish Creek	too small								27

Remarks

Decisions

1		338784
2		"
3		339783
4		"
5		" USGB
6		"
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		340783
24		339784 USGB
25		"
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8200

GEOGRAPHIC NAMES		Survey No. T-8200									
2	Name on Survey	On Chart	On previous survey	On U. S. quadrangle	From local	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
		No.	No.	Maps	information						
A	B	C	D	E	F	G	H	K			
✓		✓							1		
✓	too small								2		
✓		✓							3		
✓		✓							4		
✓	name T-8199								5		
✓		✓							6		
✓		✓							7		
	(stream) ✓	✓							8		
	(settlement) ✓	✓							9		
✓		✓							10		
✓		✓							11		
✓		✓							12		
✓		✓							13		
✓		✓							14		
✓		✓							15		
✓		✓							16		
✓		✓							17		
✓		✓							18		
✓		✓							19		
✓		✓							20		
✓		✓							21		
✓		✓							22		
✓		✓							23		
✓		✓							24		
✓		✓							25		
✓		too small							26		
✓		✓							27		

M 234

No. 3
Decisions

Remarks

1		339784
2		"
3		340784
4		339784
5		"
6		340783
7		339784
8		"
9		"
10		"
11		"
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GEOGRAPHIC NAMES

Survey No. T-8200

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	
<u>Starboard Road</u>	✓		✓						1
<u>Hutson Ridge</u>	✓		✓						2
<u>Head o'th'Forks</u>	✓		✓						3
<u>Cool Run</u>	(stream)		✓						4
<u>Cool Run</u>	(settlement)		✓						5
<u>Green Swamp</u>			next	Sheet					6
<u>Shallotte Forest Fire Lookout Tower</u>			✓						7
<u>Head o' Bay</u>			✓						8
<u>McMilly Swamp</u>			✓						9
<u>Cawcaw Bay</u>			✓						10
<u>Piver Bays</u>			✓						11
<u>Saw Pit Swamp</u>			✓						12
									13
									14
									15
All names shown on the two name sheets have been listed above. It is possible that some of the smaller features may not show up clearly enough to merit being named.									16
									17
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									24
									25
									26
									27

Names underlined in red approved
by L. Heck on 10/5/43

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, ~~march, 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.275, 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.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8200

SHALLOTTE 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-8201.

The nearest vertical accuracy test was run in quadrangle T-8198.

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.

T-725a	1:10,000	1858-59
T-725b	1:10,000	1859-60
T-1959	1:10,000	1859-60
T-4097	1:20,000	1924
T-5243	1:20,000	1935
T-6212a	1:10,000	1935
T-6212b	1:10,000	1935

Comparison with Nautical Charts Nos. 835

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:

T-8200 compared favorable with chart 835.

(T-8200 has been applied to chart 1236 since review.)

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 14/43 By John H. Stewart
under direction of D. H. Benson per D. 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. Knox
Chief, Div. of Charts
Robert W. Knox
Chief, Nautical Chart Branch
Raymond P. Egan
Chief, Div. of Coastal
Surveys