

8223

8223

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. _____ Office No. T-8223

LOCALITY

State South Carolina

General locality Williamsburg County

Locality Andrews

1943

CHIEF OF PARTY

Lieut. Comdr. F. L. Gallen and
Lieut. Comdr. Kenneth G. Crosby

LIBRARY & ARCHIVES

DATE June 27, 1946

DATA RECORD

T- 8223

Quadrangle (II): Andrews

Project No. (II): C S 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): 7/15/42

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

Completed survey received in office: August 4, 1943

Reported to Nautical Chart Section: August 5, 1943

Reviewed: Oct. 1, 1943 Applied to chart No. Date:

Redrafting Completed: Dec. 11, 1943

Registered: 5/46

Published: 1944

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): Aluminum Water
Tank, Andrews, 1934Lat.: 33°27'13.342" (411.0m) Long.: 79°33'23.212" (599.5m) Adjusted
~~Unadjusted~~

State Plane Coordinates (VI):

South Carolina, South Zone

X = 2,440,300.31 feet

Y = 592,547.48 feet

Military Grid Zone (VI)

B

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
8376	4/6/42	---	1:20,000	Inshore sheet
8377	"	---	"	
8378	"	---	"	

Tide from (III): No Tide - This is an inshore sheet

Mean Range: ---

Spring Range: ---

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

Field Inspection by: Gordon Bowker

date: ---

Field Edit by: *D. Flippo*

date: *August, 1943*

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

Projection and Grids ruled by (III) J.O.N.

date: 1-16-43

" " " checked by: J.O.N.

date: "

Control plotted by: M.G. Neilson-Ass't Engr.Drfts.

date: 1-23-43

Control checked by: V.F.Simmons, Eng.Draftsman

date: 1-23-43

Radial Plot by: Tampa Office Personnel

date: Feb. 16-1943

" " Rerun " " "

June 14, 1943

Detailed by: M.G.Neilson,Ass't Engr.Draftsman

date: Feb-June 1943

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

date: July 1943

J.H.S.Billmyer,Ass't

" "

Elevations on Field Edit Sheet

Photo Engr.

checked by: *D. Flippo*

date: *Aug 13, 1943*

STATISTICS (III)

Land Area (Sq. Statute Miles); 62

Shoreline (More than 200 meters to opposite shore); 0

Shoreline (Less than 200 meters to opposite shore); 10.4

Number of Recoverable Topographic Stations established; 0

Number of Temporary Hydrographic Stations located by radial plot; 0

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:

General Procedure in the Production of Topographic Quadrangles for the War Department

This quadrangle, together with similar adjoining maps produced under Project C.S. 285, was prepared by the Coast and Geodetic Survey for the War Department under "General Specifications for War Department Mapping Program" issued about December 1941, in which is incorporated the "Standard of Accuracy for a National Map Production Program" issued by the Bureau of the Budget under date of June 10, 1941.

The general procedure in the production of this and the adjoining quadrangles was:

FIELD SURVEYS

Aerial photography with the Coast and Geodetic Survey nine-lens camera, with airplane and flight crew furnished by the U. S. Coast Guard. The photographs were taken to the scale of 1:20,000.

Ground inspection of the photographs for identification of control points, and classification and clarification of planimetric details on the photographs.

Contouring by planetable directly on the photographs. Supplementary vertical control was established by means of an extensive subordinate level net, furnishing unmarked elevations at road intersections, drive-ways, and numerous other points identifiable on the photographs.

COMPILATION OF MANUSCRIPT

Compilation on the map manuscripts by radial plot methods (celluloid hand templates) of all planimetry and contours. These manuscripts were drawn on the scale of 1:20,000 on celluloid sheets on which polyconic projections had been ruled with the Projection Ruling Machine in the Washington Office. Compilation was accomplished in the ~~Baltimore~~-Tampa Photogrammetric Office.

FIELD EDIT

Comparison of a copy of the manuscript with the ground. This included inspection for completeness and accuracy as well as the location by planetable methods of additional details, checking of nautical and aeronautical aids to navigation, etc.

Accuracy Tests - Application of systematic horizontal and vertical accuracy tests to check the maps for conformity with the specifications. These tests consisted of comparison of the map position and elevation of selected random points with the true position and elevation as independently determined by standard survey methods.

PROCESSING IN THE WASHINGTON OFFICE

Review - Examination of the manuscript for accuracy and completeness of compilation and compliance with specifications, correcting where necessary; addition of military and state grids and other special features; and verification of the general adequacy of the manuscript as a basis for the production of a finished map.

Drafting and Reproduction - Preparation of smooth color separation drawings on 1:20,000 scale on metal-mounted "blue-line" copies of the manuscript. From these drawings, negatives and printing plates were prepared for reproduction of the finished map on the scale of 1:31,680 or 1:25,000.

Hickson

FIELD INSPECTION REPORT
QUADRANGLE T-8223
PROJECT CS-285
F. L. GAILLEN, CHIEF OF PARTY

1. The town of Andrews (population 2009) is near the center of the quadrangle. The city limits of Andrews cover a large area and include a large portion of the population of the Quadrangle.

Extensive farming is carried on along Highway Route No. 521 and near the town of Andrews. Little farming is done in the remainder of the Quadrangle because of the swamp and low ground areas.

The northern part of the quadrangle is drained by the Black River and Murray Swamp. Murray Swamp empties into the Black River. The southern part is drained by Cedar Branch in a south-east direction through Boggy Swamp. Cedar Branch is the head of the Sampit River.

Highway Route No. 521 is a paved road which runs in a northeast-^{west} southwest direction through the quadrangle. State Route No. 515 is paved from Andrews to the Earle School in Quadrangle 8224. State Route No. 511 is a well graded road which runs in a southwest-northeast direction through the Quadrangle. This road is paved south of Andrews to Ocada. There are numerous sand-clay roads in the Quadrangle, most of which are poorly maintained. The Seaboard Air Line Railroad runs in a southerly direction through the Quadrangle.

2. See the report for Quadrangle 8221.
3. See the report for Quadrangle 8238.
- 4-5. See the report for Quadrangle 8221.
6. See the Report for Quadrangle 8238.
7. The mean high water line has been indicated on the photographs where it could be determined by this party.
8. The low water line could not be determined by this party.
9. There are no wharves or shoreline structures in this quadrangle.
10. No off-shore details were found in this quadrangle.
11. There are no land marks or aids to navigation found in this quadrangle.
12. No hydrographic signals were established.
13. There are no landing fields or aeronautical aids in this quadrangle.

14. See the report for quadrangle 8238.
15. The dimensions and load limit of the bridges have been indicated on the photographs but they have not been classified. *See field edit.*
16. See the report for quadrangle 8238.
17. See the report for Quadrangle 8226.
18. Geographic Names is the subject of a separate report for this project. *11/14*
19. All the adjacent quadrangles except to the north join this one on overlapping photographs. There is no junction with any modern survey to the north. The junctions between the photographs were checked in the field and should be satisfactory.

Submitted by,

Gordon Bowker
Gordon Bowker,
Senior Photogrammetric Aid.

Approved and forwarded:

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

COMPILATION REPORT
TO ACCOMPANY
SHEET NO.T-8223

Control

Control on the sheet was adequate, there being six triangulation or traverse stations within the detail limits and four stations falling on the border.

Precise Traverse Station No. 23, (U.S.G.S), was evidently misidentified by the recovery party on the photograph. Intersection of radial lines from the plotted position on the photographs fall approximately 40 meters west of the geographic position furnished by the Geological Survey. This station was not held to in the radial plot. *This station was plotted wrong in the Tampa office and has been changed to its correct position in the Washington office. The position now is 0.5 of a mm. of the radial plot position.*

Radial Plot

The main radial plot of which sheet T-8223 is a part is discovered in the compilation report for sheet T-8222.

Detailing

The photographs were satisfactory for detailing and no unusual difficulty was experienced:

In general, the field inspection was adequate, but there was some doubt about the area around the railroad yards east of Andrews. The meaning of the terms "8 rails (double)" and "7 rails (double)" was not clear. A discrepancy exists where the C.C.C. road crosses Boggy Swamp in the southeastern corner of the sheet. The stream and the contour line on the north side of the stream are shown in different places on two different field prints.

Satisfactory junctions were made with sheets T-8222 and T-8224. The junction with sheet T-8228 on the south did not match exactly because positions of the radial points on T-8223 were determined by a radial plot, which was revised in the Tampa office and some of the points moved. This junction should be checked and corrected where necessary in the Washington office. *Junction examined by review unit and corrected. Only one road affected.*

Supplemental Data

No graphic control surveys by this Bureau or maps or plans of other organizations were used to supplement the photographs in the detailing.

Comparison with Existing Topographic Quadrangles.

No existing topographic quadrangle maps were available in the Tampa office for a comparison.

Comparison with Nautical Charts/

None of the published nautical charts show the area covered by T-8223 in detail, as this sheet falls too far inland.

Respectfully submitted,

Modesta G. Neilson

Modesta G. Neilson,
Ass't. Engr.Draftsman

Forwarded:

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

FIELD EDIT REPORT
T-8223
PROJECT CS-285

46. The field edit 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 adhered to:

FEATURES	COLORS
A 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 quadrangles T-8224 and T-8227.

The vertical accuracy tests are the subject of a special report for Project CS-285.

The nearest vertical accuracy test was in quadrangle T-8224.

Submitted by

Donald G. Flippo
Donald G. Flippo
Engineering Aid

Approved and Forwarded

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

826-RGR

September 21, 1943

To: Mr. Louis Levin
U. S. Coast and Geodetic Survey
P. O. Box 1436
Myrtle Beach, South Carolina

From: The Director
U. S. Coast and Geodetic Survey

Subject: Boundary Line Between Williamsburg and
Georgetown Counties - Quadrangle T-8223,
Project 285

The location of the boundary line between Williamsburg and Georgetown Counties just north of Andrews, South Carolina on sheet T-8223 is not clear.

State Highway 511 seems to have been relocated in this vicinity between 1934 and the present time. The field edit party has indicated the county line as running with the road as relocated. The County Highway Maps for Georgetown and Williamsburg Counties show the line as running with the center line of the old road that would seem to be the prior location of Highway 511.

Inasmuch as legislative action is usually necessary to move a county boundary, it seems highly probable that, although the state highway has been relocated, the boundary has remained in its original location; namely the center line of the old Highway 511.

The situation is sketched on the enclosed portion of an ozalid print of sheet T-8223. Please inform this office as to which is the correct location of the line.

(Signed) J. H. HAWLEY

Enclosure

Acting Director

T-8223

POST-OFFICE ADDRESS: P. O. Box # 1436 Myrtle Beach? S. C.

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

826

1943 SEP 27

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Sept. 24, 1943

To: The Director
U. S. Coast and Geodetic Survey
Washington, D. C.

From: Louis Levin
U. S. Coast and Geodetic Survey

Subject: Boundary Line Between Williamsburg and
Georgetown Counties - Quadrangle T-8223
Project 285

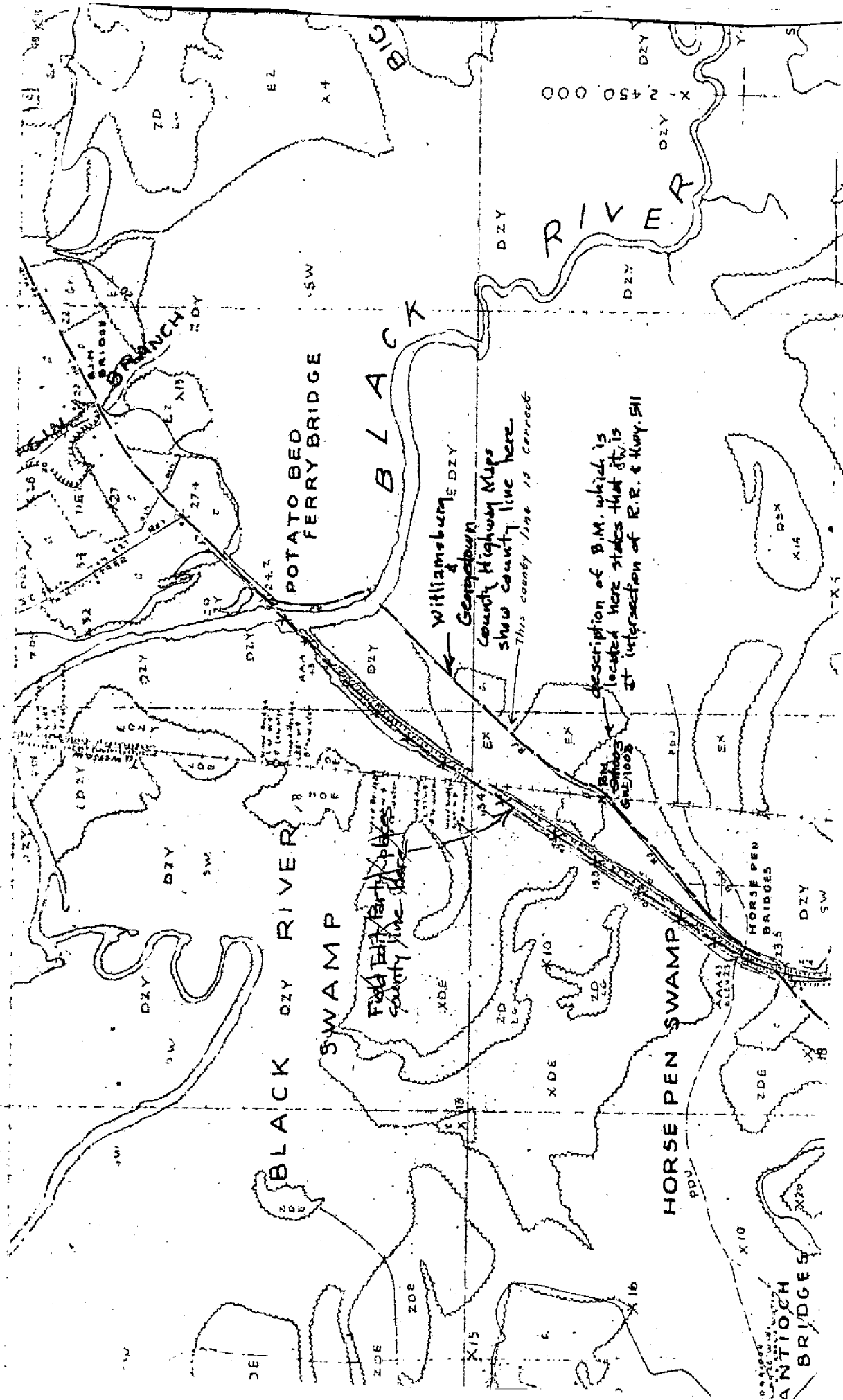
In answer to your letter on Sept. 21, inquiring about the location of The Williamsburg- Georgetown County boundary line, it is evident that the field edit party was in error in showing the boundary on the new highway. This new highway has been built to the Union Crossroads in the lower part of Quadrangle T-8214 and deviates from the course followed by the old road in a few places. However as far as is known at this office no change has been made in the location of the county line and in all instances it should follow the old road.

Louis Levin
Photo. Aid

34'

33'

32'



T-8223

Remarks

Decisions 1

1		
2		
3		
4		Road Maps
5		"
6		"
7		"
8		
9		
10		
11		
12		Railway Guide
13		
14		
15		333794
16		"
17		333795
18		"
19		"
20		"
21	Check this name with one applied on T-8228: whether Boety Bay or Mackey Bay	333796
22		"
23		334795
24		"
25		"
26		334794
27	Only in text of Names Report.	334795

GEOGRAPHIC NAMES

Survey No. T-8223

ANDREWS quadrangle

1 Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A	B	C	D	E	F	G	H	K	
Black River	✓								1
Georgetown County	✓								2
Williamsburg County	✓								3
U.S. Highway 521	✓								4
State " 511	✓								5
" " 515	✓								6
" " 527	✓								7
Mingo No. 9	(Williamsburg Co.)			✓					8
Anderson No. 5	✓	"		✓					9
Andrews No. 4	(Georgetown Co.)			✓					10
Sampit No. 2	✓	"		✓					11
Seaboard Air Line Railway	✓			✓					12
									13
Boggy Swamp	✓								14
Bond Swamp	✓								15
Cedar Swamp	✓								16
Wood Plank Bridge	✓								17
Ten Acre Road	✓								18
Boggy Swamp Bridge	✓								19
Waterhole Bay	✓								20
Boety Bay	✓								21
Cross Bay Ridge	✓								22
Joe Lee Branch	✓								23
Machine Branch	✓								24
Puncheon Creek	(settlement)								25
Puncheon Creek	(stream)								26
Puncheon Creek Bridge	(in text only of names report)								27

Remarks.

Decisions 2

1		334795
2		"
3		"
4		"
5		"
6		334794
7		"
8		"
9		"
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22	Into Black River from north: only a small	"
23	section on this quadrangle.	"
24		"
25		334796
26		"
27		"

GEOGRAPHIC NAMES

Survey No. T-8223

2

Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A	B	C	D	E	F	G	H	K	
<u>Green Bay</u>	✓								1
<u>Gapway Road</u>	✓								2
<u>Italy</u>	✓								3
<u>Andrews</u>	✓								4
<u>Cherry Hill Swamp</u>	✓								5
<u>Lester Creek</u>	✓								6
<u>Potato Bed Ferry Bridge</u>	✓								7
<u>Pea House Ferry Road</u>	✓								8
<u>Gin Bridge</u>	✓								9
<u>Gin Branch</u>	✓								10
<u>Horse Pen Bridges</u>	✓								11
<u>Big Dam Swamp</u>	✓								12
<u>Johnsons Swamp</u>	✓ (stream)								13
<u>Johnsons Swamp Road</u>	✓								14
<u>West Antioch Andrews</u>	✓								15
<u>Antioch</u>	✓								16
<u>Antioch Bridges</u>	✓								17
<u>Horse Pen Swamp</u>	✓								18
<u>Black River Swamp</u>	✓								19
<u>Chicken Swamp</u>	✓								20
<u>Murray Swamp</u>	✓								21
<u>Birch Creek</u>		not shown							22
<u>Harper Crossroads</u>	✓								23
<u>Hazard Bridge</u>	✓								24
<u>Cherry Hill</u>	✓								25
<u>Cherry Hill Bridge</u>		no bridge							26
<u>Niggerhead Bay</u>	✓								27

T-8223

Remarks.

Decisions 3

1		334796
2		"
3		"
4		"
5		/"
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GEOGRAPHIC NAMES

Survey No. T-8223

3	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					
	<u>Johnsons Swamp</u>	(settlement)	✓							1
	<u>Wheeler Bridges</u>	✓		✓						2
	<u>Sportsman Pond</u>	✓		✓						3
	<u>Johnsons Swamp Bridge</u>	✓		✓						4
	<u>Cook Road</u>	✓		✓						5
										6
										7
										8
										9
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										27

Names underlined in red approved
by L. Heck on 10/1/43

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-8223

ANDREWS 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 tests were run in quadrangles T-8224 and T-8227.

The nearest vertical accuracy test was run in quadrangle T-8224.

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 nautical charts which cover 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. 27, 1943 By Harlow E. Rees
under direction of D. H. Benson (per H.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. Gray
Chief, Div. of Charts
Nautical Chart Branch
Raymond C. Egan
Chief, Div. of Coastal
Surveys