

8394

Orig. 1.3

8394

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
CS-290-13	
Type of Survey	Topographic
Field No.	Office No. T-8394
V. Acc'y Test	
LOCALITY	
State	Florida
General locality	Tampa Bay Area
Locality	Manatee County
RYE QUAD.	
194 4	
CHIEF OF PARTY	
Ray L. Schoppe	
LIBRARY & ARCHIVES	
DATE	January 7, 1948

DATA RECORD

T-8394

Quadrangle (II): Rye

Project No. (II): CS 290-B

Field Office: War Mapping Party Chief of Party: Ray L. Schoppe
#2

Compilation Office: Tampa, Fla. Chief of Party: Ray L. Schoppe

Instructions dated (II III): 11/16/42 Copy filed in ~~Descriptive~~
Report No. T- (VI)
Div. Photogram Office Files

Completed survey received in office: 8 May, 1944

Reported to Nautical Chart Section:

Reviewed: 5 June 1944 Applied to chart No. *No chart* Date:

Redrafting Completed: 22 June 1944

Registered: X Dec. 1947

Published: 1944

Compilation Scale: 1:20,000

Published Scale: 1:31680

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927 Datum Plane (III): M.S.L. 1929

Reference Station (III): D-70, 1934 (F.M.P.)

Lat.:

Long.:

Adjusted
Unadjusted

State Plane Coordinates (VI):

Florida West Zone

X = 407, 054.8 Ft.

Y = 1, 186, 669.4 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>
11717	11/12/42	--	1:20,000	Inshore Sheet
11718	"	--	"	
11719	"	--	"	
11691	"	--	"	
11692	"	--	"	
11693	"	--	"	

Tide from (III): --

Mean Range: --

Spring Range: --

Camera: (Kind or source) U.S.C. & G.S. 9 lens

Contours and
Field Inspection by: Sam C. Dionisio

date: Mar., 1944

Field Edit by: *Lewis F. Hepburn*

date: *2 June 1944*

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

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

" " " checked by: " " date:

Control plotted by: M. Rutkin

date: Feb., 1944

Control checked by: V.F. Simmons

date: Feb., 1944

Radial Plot by: Tampa Office Personnel

date: Mar., 1944

Detailed by: Manila A. Williams, Jr. Engr. Draftsman date: Mar-Apr-'44

Reviewed in compilation office by: F. H. Elrod

date: Apr-May-'44

Elevations on Field Edit Sheet
checked by: *M V Parker*

date: *5 June 1944*

STATISTICS (III)

Land Area (Sq. Statute Miles): 67.3

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

Shoreline (Less than 200 meters to opposite shore): --

Number of Recoverable Topographic Stations established: --

Number of Temporary Hydrographic Stations located by radial plot: --

Leveling (to control contours) - miles:

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

7-8394

This quadrangle, together with similar adjoining maps produced under Project C.S. 290 B, 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.

DESCRIPTIVE REPORT TO ACCOMPANY
QUADRANGLE T-8394
Project CS 290 B
Ray L. Schoppe, Comdr., Chief of Party

1. Description of the Area. This 7½ minute is bounded on west by 82° 22' 30" west longitude, on the south by 27° 30' 00" north latitude, on the east by 82° 15' 00" west longitude, and on the north by 27° 37' 30" north latitude. It is situated in Manatee County, Florida, just east of the town of Parish, Florida.

Elevations in this area vary from near sea level in the southwestern corner to approximately 135 feet above sea level in the northeastern corner. The general slope in the northern section is toward the Little Manatee River. In the southern section the drainage is toward the Manatee River, which is found in the southwestern corner of the quadrangle.

Most of the quadrangle is grazing land, with scattered evergreen timber areas and intermittent ponds. There are very few citrus groves or cultivated areas in the region. The southern half of the quadrangle is the property of the Rutland Ranch, and the northern half is the property of the Quarter Circle Ranch. Most of the roads are used by these ranchers. Only one main highway - Florida State Route Number 32 - extends throughout the entire length of the quadrangle, running east and west.

2. Completeness of Field Inspection. The field inspection was accomplished concurrently with the contouring. Classification of buildings, bridges, culverts, and other cultural features are inked in red on the photographs. Sink holes are labeled as intermittent or grassy ponds. At the time this quadrangle was field inspected, some of the intermittent ponds contained water, and these are shown with a solid blue line, labeled pond. A dashed blue line indicates the outer limits of the pond where the fast land begins. In some cases where there is a definite marsh area the letter "M" is used; the area is enclosed with a dashed blue line to indicate the limits of the marshy area. Intermittent ponds are labeled "IP". In the southern portion there are a large number of ditches, and these have been labeled "D". All of the ditches have not been labeled, but those which are an integral part of the drainage system can easily be recognized on the photographs.

New buildings were located with the planetable and alidade and have been added to the photographs in red ink.

The field inspection was accomplished on the nine-lens photographs numbers 11717, 11718, 11719, 11691, 11692, and 11693.

3. Interpretation of Photographs. Intermittent ponds and scattered wooded areas are readily identifiable on the photographs. Areas of evergreen trees appear darker than areas of deciduous trees. Dirt and sand roads appear as a single white line, whereas macadam roads exhibit a darker photographic tone. Marsh areas are a light gray color, as opposed to the ponds which appear very-dark.

4. Horizontal Control. Horizontal control has been recovered and identified on the photographs by W. Bever, Jr. Topo Engr. and by J. A. Webb, Sr. Photo Aid. Proper recovery notes, pricking cards, and accuracy of identification on the photographs have been completed, checked, and forwarded to the compilation office, in accordance with the instructions.

D-70
D-71
D-72
D-73

5. Vertical Control. Vertical control for the contour party was supplied by Herbert Burgoyne, Engr. Aid, and party. Supplemental levels for control were run over existing trails and roads. Elevations were established at roads intersections, bridges, culverts, and other identifiable points. At some intersections, where loose sand made the elevations vary, stakes were driven flush with the ground, and the elevation was taken on the top of the stakes.

S-95
T-95
U-95
N-66
D-71
Q-66
R-64
D-73

6. Contours and Drainage. Contouring was accomplished on the photographs by standard methods. Drainage was by plane table traverses, filed inspection, and the stereoscope and is shown on the photographs. Contours are shown on photographs 11717, 11718, 11719, 11691, 11692, and 11693.

There are six contours in the quadrangle, ranging from 20 feet to 120 feet above sea level. The 40, 60, 80, and 100 foot contours cover the greater part of the quadrangle, whereas the 120 foot contour takes in a small area in the northeastern section of the quadrangle. The 20 foot contour takes in the southwestern and southeastern section of the area.

For items 7 and 8 refer to the descriptive report for the original planimetric maps.

Items 9, 10, 11, and 12 are not applicable to this quadrangle.

13. Landing Fields. there are no landing fields or aeronautical aids in this quadrangle.

14. Road Classification. The roads have been classified and labeled on the photographs according to the instructions.

15. Bridges. Bridges have been identified and classified on the photographs by C. C. Fryer, Jr. Topo. Engr. See letter at end of report.

16. Buildings and Structures. All buildings have been labeled and circled in red ink on the photographs. All new buildings were located by the planetable and alidade.

17. Boundary Monuments and Lines. There are no incorporated towns within the limits of the quadrangle. Political boundaries are not shown on the photographs.

18. Geographic Names. This will be the subject of a special report by Jack Stingley. *1. Geog. Names Section, Div. of Charts.
2. List attached hereto.*

19. Junctions. Satisfactory junctions were made with all adjoining quadrangles.

20. Data. Contours, field inspection, and drainage are shown on the following photos: 11717, 11718, 11719, 11691, 11692, and 11693. Levels are shown on: 11693, 11691, 11717, 11718, and 11719. Bridges are shown on: 11717 and 11719.

The following notes have been made by Mr. C. C. Fryer, Jr. Topo. Engr.:

The political subdivision lines shown on the photographs have been transferred to the photographs from a general highway and transportation map prepared by the Florida State Roads Department. This map is published on a small scale and an attempt has been made to transfer the political subdivision lines to the photographs as accurately as possible, but due to the varied scale of the photographs on which they were placed, it is not to be assumed that they are correct. It is recommended that they be checked in the field during the field edit of this quadrangle on the compilations which are to the true 1:20000 scale. Each photograph which touches or borders on a quadrangle should be examined to locate these boundaries; in many cases they will appear on the wings of the photograph.

This same rule should be followed in regard to the classification of bridges.

Respectfully submitted,

Sam C. Dionisio

Sam C. Dionisio,
Sr. Photo Aid,
March 27, 1944

Approved:

Ray L. Schoppe
Ray L. Schoppe
Chief of Party

COMPILATION REPORT
To Accompany
SHEET NO. T-8394

26. CONTROL

Four traverse stations established by Florida Mapping Project fall within the tracing limits of the quadrangle. All stations could be held to and were sufficient control when used in conjunction with the control on adjacent quadrangles. Some trouble was experienced in the main radial plot on the lower-part of the sheet but was corrected after the plot for the quadrangles to the south had been run.

27 MAIN RADIAL PLOT

A discussion of the main radial plot, of which this sheet was a part, is included in the compilation report for Sheet T-8384.

28. DETAILING

The photographs from which this sheet was detailed were clear and of good scale.

Field inspection was sufficient and as no unusual topographic features fall on the quadrangle, no difficulty was experienced in detailing.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

There are no published standard topographic quadrangle maps of the area covered by T-8394.

45. COMPARISON WITH NAUTICAL CHARTS

None of the published nautical charts show the area in detail.

Respectfully submitted,

Manila A. Williams

Manila A. Williams,
Jr. Engr. Draftsman

Forwarded by

Ray L. Schoppe

Ray L. Schoppe,
Chief of Party.

FIELD EDIT REPORT
To Accompany
SHEET NO. T-8394

146. METHODS

In editing the map compilation, all roads were traversed by truck and a visual inspection was made of all topographic features. All buildings that were added to the compilation were plotted by measurements from topographic features. All roads that were added, the approximate location only is shown, the correct location to be taken from the air photographs.

The additions, corrections and deletions of the map compilation were classified according to instructions.

The elevations shown on the map compilation were not checked against those shown on the field photographs, as the photographs were not accessible to the field edit party.

147. ADEQUACY OF THE COMPILATION

The compilation was found to be adequate and complete except for the additions, deletions and corrections noted on the field edit sheet.

148. ACCURACY TESTS

Covered by a separate report.

149. ROAD CLASSIFICATION

All road classifications were checked in the field and corrections made where necessary. All roads not previously classified were classified according to instructions.

15. BRIDGES

All bridges not previously classified were classified according to instructions. The classification given bridges by the field edit party are to supersede all other classifications.

Respectfully submitted,

Lewis F. Hepburn,
Engr. Aid.

June 2, 1944

Forwarded by:


Ray L. Schoppe,
Chief of Party.

William

VERTICAL ACCURACY TEST
QUADRANGLE 8394
PROJECT CS-290C

A vertical accuracy test in this quadrangle was accomplished by the writer on field photograph 11719.

The test was accomplished by following a single contour and taking shots on the contour at intervals of approximately 150 feet, which are shown by red dots in prick holes.

The test proves the contour is within the limits of the accuracy required.

Respectfully submitted,

George E. Varnadoe

George E. Varnadoe
Prin. Photo. Aid

GEOGRAPHIC NAMES

Survey No. T-8394

RYE quadrangle

Name on Survey

	A	B	C	D	E	F	G	H	K	
<u>Florida</u> ✓										1
<u>Manatee County</u> ✓										2
<u>Manatee River</u> ✓										3
<u>Little Manatee River</u> ✓										4
<u>State Roads 32, 309</u> ✓										5
										6
<u>Oak Knoll</u> ✓										7
<u>Manhattan</u> ✓										8
<u>Gilley Creek</u> ✓										9
<u>Boggy Creek</u> ✓										10
<u>Rye</u> ✓										11
<u>Rye Branch</u> ✓										12
<u>Goddard Creek</u> ✓										13
<u>Rye Grade</u> ✓										14
<u>Rye Road</u> ✓										15
<u>Manhattan Cutoff</u> ✓ (road) (No. 309)										16
<u>Gamble Creek</u> ✓										17
<u>Gilly Lakes</u> ✓										18
<u>Parrish-Tauchula Road</u> ✓ (No. 32)										19
										20
										21
										22
										23
										24
										25
										26
										27

Names undesignated as approved
by Heck on 6/10/44

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.

✓ Black and white cloth-mounted copy of the published quadrangle at 1:20,000 scale. 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 woodland, refer to the published quadrangle for the finally adopted outlines.

✓ Descriptive Report.

Filed in the Photogrammetric Division.

Field inspection photographs.

Contoured photographs (on which planetable contouring work was performed.)

✓ Field edit sheet.

Descriptions of recoverable topographic stations (Form 524), filed in Review 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.

✓ 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 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.

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-

RYE 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:

*No horizontal accuracy test
vertical accuracy test satisfactory*

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.

None published

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:

Inshore sheet

The following revisions of the map manuscript were found to be necessary and were accomplished as a part of this review:

None

Reviewed 5 June 1944 By N. V. Barker
under direction of D. H. Benson *per L. T. Stevens*

Inspected by B. G. Jones *B.G. Jones 12/47*

Examined and approved:

[Signature]
Chief, ~~Survey~~ Branch
Nautical chart

[Signature]
Chief, Topography Section

K. T. Adams
Chief, Div. of Charts
Photogrammetry

[Signature]
Chief, Div. of Coastal
Surveys

T-8394

Remarks

Decisions

1		USGB
2		
3		
4		
5		Road Maps
6		
7		275822
8		275823
9		274823
10		"
11		275823
12		"
13		"
14		274823
15		275823
16		"
17		275824
18		275823
19		276822-23
20		
21		
22		
23		
24		
25		
26		
27		