

# 8392

Diag'd. on Diag. Ch. No. 1257-2

Form 504

## U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

### DESCRIPTIVE REPORT

Type of Survey Air Photo Compilation

Field No. CS-290-B Office No. T-8392

#### LOCALITY

State Florida

General locality Tampa Bay

Locality Ruskin

1942-'44

CHIEF OF PARTY

R.L.Schoppe

LIBRARY & ARCHIVES

DATE June 2, 1949

B-1870-1 (1)

# 8392

## DATA RECORD

T- 8392

Quadrangle (II): RUSKIN

Project No. (II): CS 2908

Field Office: Tampa, Florida Chief of Party: Ray L. Schoppe.

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

Instructions dated (II III): 11/16/42 Copy filed in <sup>Division of</sup> ~~Descriptive~~  
~~Report No. II~~ <sup>(VI)</sup>  
~~Photogrammetry Office Files.~~

Completed survey received in office: 14 May 1944

Reported to Nautical Chart Section:

Reviewed: 5/29/44 Applied to chart No. <sup>587</sup> ~~586~~ Date: <sup>6/14/46</sup> ~~5/16/47~~

Redrafting Completed: 16 June, 1944

Registered: 23 Nov. 1948

Published: June 1945

Compilation Scale: 1:20,000

Published Scale: 1/3/680

Scale Factor (III): 1.00

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

Reference Station (III): RUSKIN, 1934

Lat. 27°42'46.767" (1439.5M) Long.: 82°23'58.009" (1589.2M) Adjusted  
 State coordinates: X=370,759.55 ft. Y=1,228,518.88 ft. ~~Adjusted~~

State Plane Coordinates (VI): Florida West zone.

X = 370,759.55 ft

Y = 1,228,518.88 ft

Military Grid Zone (VI)

Zone B

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
11649	11/12/42	12:36	1:20,000	-0.2 ft.
11650	"	12:38	"	-0.2 ft.
11688	"	1:36	"	0.0 ft.
11689	"	1:38	"	0.0 ft.
11690	"	1:40	"	0.0 ft.

Tide from (III): Tide Tabled 1942--Tampa Bay

Mean Range: 1.5 ft.

Spring Range: 2.0 ft.

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

Field Inspection by: Sam C. Dionisio

date: 2/24/44

Contours by: Sam C. Dionisio

date: Feb. 1944

Field Edit by: Sam C. Dionisio

date: Feb. 1944

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

Projection and Grids ruled by (III) Wash. Office

date:

" " " checked by: " "

date:

Control plotted by: V. F. Simmons

date: Jan. 1944

Control checked by: E. C. Andrews

date: Jan. 1944

Radial Plot by: Tampa Office Personnel

date: Feb. 1944

Detailed by: Betty R. Finch, Asst. Engr. Draftsman

date: Mar-Apr '44

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

date: April 1944

*Map Manuscript*  
Elevations on ~~Field Edit Sheet~~  
checked by: S. C. Dionisio and C. B. Taylor, Jr.

date: Feb. 1944

STATISTICS (III)

Land Area (Sq. Statute Miles): 58.8

Shoreline (More than 200 meters to opposite shore): 13.5

Shoreline (Less than 200 meters to opposite shore): 17.25

Number of Recoverable Topographic Stations established: 0

Number of Temporary Hydrographic Stations located by radial plot: 0

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:

Elevations on Field Edit sheet checked by: S. C. Dionisio, } Feb '44  
C. E. Taylor, Jr. }

Leveling to control contours: 73.2 miles.

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

7-8392

This quadrangle, together with similar adjoining maps produced under Project C.S. 1908, 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:

PREPARATION OF BASE MAPS

Assembly into quadrangle base sheets by photographic means of previously produced planimetric maps of the area. These maps were compiled by this Bureau from aerial photographs taken in 1939 and were published in 1941 on the scale of 1:100,000. (7-5840841)  
Lithographic prints of the quadrangle base sheets on cloth-mounted paper were furnished to the field parties and similar prints in red ink on celluloid sheets were furnished to the compilation office.

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. The field parties were permitted to make field inspection notes either on the photographs or on the planimetric base sheet.

Contouring by planetable, directly on the photographs or on the planimetric base sheet at the option of the field party. The contouring for this quadrangle was done on the

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

#### COMPILATION OF MANUSCRIPT

Revision of the planimetric base map from the new photographs and addition of contours and corrections obtained by the field parties. No radial plot was made for this work.

#### FIELD EDIT

Comparison of a copy of the corrected 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-8392  
PROJECT CS 290 B  
Ray L. Schoppe, Comdr., Chief of Party

1. Description of the Area. This 7½-minute quadrangle is bounded on the west by west longitude 82°30'00", on the south by north latitude 27°37'30", on the east by west longitude 82°22'30", and on the north by north latitude 27°45'00", and is located in Hillsborough and Manatee counties, between the towns of Parish and Ruskin, Florida.

Elevations in the area range from near sea level in the northwest corner to approximately fifty feet above sea level in the northeast. The general slope is toward Tampa Bay in the northwest. In the northeast the drainage is toward the Little Manatee River, which runs through the center of the quadrangle.

Most of the quadrangle is grazing land, with scattered evergreen-timbered areas, and grassy ponds. In the vicinity of Ruskin, however, there are large numbers of truck farms, and a few citrus groves. Most of the roads are used commercially by these truck farmers and fruit growers, including U. S. Highways 41 and 541. The Atlantic Coast Line Railroad enters the quadrangle in the southwest corner and crosses in the north central section. There are two large packing companies in the vicinity of Ruskin.

2. Completeness of Field Inspection. The field inspection was accomplished concurrently with the contouring. Classification of buildings, bridges, culverts, and culture are inked in red on the photographs. Sink holes are labeled as intermittent or grassy ponds. At the time the quadrangle was field inspected, some of the intermittent ponds held water, and these are shown with a solid blue line, labeled "P". A dashed blue line indicates the reaches of firm ground. In some cases where there is a definite marsh area, the letter "M" is used, closed with a dashed blue line to indicate the marshy area. Ponds are labeled "I.P." (Intermittent), "Gr. P." (Grassy), or "M. Gr." (Marsh Grass).

New buildings were located by planetable or chain measurements, and are added in red ink. The Hillsborough-Manatee county line is shown with a red line, and the approximate compilation limits shown on the photographs with a blue line. Field inspection was accomplished on nine lens photographs 11650, 11651, 11688, 11689, and 11649.

3. Interpretation of the Photographs. Intermittent and grassy ponds and scattered wooded areas are readily identifiable on the photographs. Evergreen shows darker than deciduous. Dirt roads appear as a single white line, and macadam roads as darker lines. Marshy areas are of a light grey color; as opposed to ponds, which appear as very dark.



4. Horizontal Control. A separate report has been submitted by the recovery party to the Tampa Photogrammetric Office.

5. Vertical Control. Vertical control for planetable contouring was provided by U. S. Coast and Geodetic Survey Bench Marks. Supplemental levels for control were run over existing roads and trails. Elevations were set at road intersections, bridges, culverts, and other identifiable points. At some elevation points, where loose sand made the elevations vary, stakes were driven flush with the ground, and elevations taken on the top of the stake. Supplemental levels were run by P. A. McAdam, Engr. Aid, and party.

6. Contours and Drainage. Contouring was accomplished on photographs, by standard methods. Drainage was located by planetable traverse and field inspection, and is shown on photographs. Contours are shown on photographs 11649, 11688, and 11689.

The main 20-foot contour covers most of the quadrangle, while the other main contour -- the 40-foot contour -- takes in a small area in the eastern portion of the quadrangle.

For items 7 and 8, refer to descriptive report for original planimetric map.

9. Wharves and Shoreline Structures. Shoreline structures such as piers and boathouses at the mouth of Little Manatee River have been labeled on photograph 11651.

10. Details Offshore from the High-Water Line. Refer to descriptive report for original planimetric map.

11. Landmarks and Aids to Navigation. Three beacons at the mouth of the Little Manatee River were checked by planetable on the compilation.

*Little Manatee River Lt. No. 1  
Starboard Shoal Bn.  
Little Manatee River Lt. No. 3*

12. Hydrographic Control. All hydrographic stations along the shoreline are shown on the original compilation.

13. Landing Fields and Aeronautical Aids. There are no landing fields within the limits of this quadrangle.

14. Road Classification. Roads have been classified and labeled according to instructions.

15. Bridges. All bridges have been labeled, but will be classified during the field edit of the quadrangle.



16. Buildings and Structures. Buildings have been labeled and encircled in red on the photographs. All new buildings were located by planetable or chain measurements.

17. Boundary Monuments and Lines. Political boundaries have been inked on the photographs. There are no incorporated towns within the limits of the quadrangle.

18. Junctions. Satisfactory junctions were made with all surrounding quadrangles.

46. Field Edit Methods. Approximately 22 square miles of this quadrangle has been compiled; and this area, with the exception of the addition of new dwellings, has been field edited. All new dwellings are located on the photographs. All buildings and cultural features are shown in black ink, and deletions are also shown in black on the compilation.

In some of the area ponds were reclassified, when they were shown as marsh on the compilation, as marsh grass ponds or intermittent ponds. These changes were made on the compilation.

47. Adequacy of the Compilation. The compilation was found to be adequate with the exception of the additions, corrections, and deletions made by the field inspection party.

48. Accuracy Tests. A horizontal accuracy traverse is to be run by the party under the direction of Lieut. Comdr. G. W. Lovesee. The exact route of this traverse has not been determined, and it is not known if it will touch this quadrangle. This should be investigated during the field edit of this quadrangle. 7 points on Acc. Test Trav. Ruskin to Parrish on T-8392. All within .5 mm limit. Filed in Review unit.

For vertical accuracy test, refer to quadrangle T-8394.

Respectfully submitted:

*Sam C. Dionisio*

Sam C. Dionisio  
Sr. Photo. Aid  
Feb. 24, 1944

Approved:

*Ray L. Schoppe*

Ray L. Schoppe  
Chief of Party

COMPILATION REPORT  
To Accompany  
SHEET NO. T-8392

26. CONTROL

Three control stations within the limits of the sheet were recovered in the field and were adequate to control the radial plot. All stations could be held to.

*Sun City Power Plant, Tank (destroyed, but base recovered) 1934  
Ruskin 1934  
Mangrove, USE 1908  
DC 118 F45 1939*

27. RADIAL PLOT

A discussion of the radial plot of which this sheet is a part is included in the descriptive report for Sheet No. T-8384.

28. DETAILING

Approximately one fourth of the sheet was previously compiled on a scale of 1:10,000 and was furnished to the draftsman in the form of a red-line print on a scale of 1:20,000. Part of the old detail was moved slightly to conform with the new radial plot. The necessary additions and corrections were made on all of the old detail.

The photographs were clear and of good scale. Field inspection was adequate for detailing the sheet except for those things shown on the discrepancy overlay.

29. SUPPLEMENTAL DATA

County maps of Hillsborough and Manatee counties were used to determine road destinations and precinct numbers.

34. LANDMARKS AND AIDS TO NAVIGATION

No new landmarks or aids to navigation were added to the sheet. (See descriptive report for original Compilation T-5840.)

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

No existing topographic quadrangle maps were available for comparison.

B5. COMPARISON WITH NAUTICAL CHARTS

A small part of the sheet falls on and checks favorably with nautical chart No. 586, scale 1:40,000 (published June, 1942.)

Respectfully submitted,

*Betty R. Finch*  
Betty R. Finch,  
Asst. Engr. Draftsman

Forwarded by, *5/1/44*  
*Ray L. Schoppe*  
Ray L. Schoppe,  
Chief of Party.

FIELD EDIT REPORT  
To Accompany  
SHEET NO. T-8392

46. METHODS

In editing the map compilation, all roads were traversed by truck. Due to the presence of many roads the area was well covered by this method, and only in a few places was it found necessary to walk in order to traverse the entire area.

All buildings, roads, ditches and other features were added to the ozalid print by measurements from topographic features or by plane table methods.

All citrus was classified as Cit. A or Cit. C. All mangrove, unless otherwise classified, should be classified as A or B.

All additions, corrections and deletions are to be found on the ozalid print of the map compilation. In accordance with the instructions, black ink was used for all classifications and additions. Green ink was used for all deletions.

47. ADEQUACY OF THE COMPILATION

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

48. ACCURACY TESTS

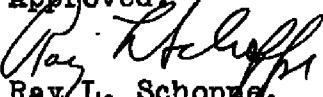
Covered by separate report. *Horizontal Acc. Test Traverse*  
*Δ Raskin to Δ Parrish contained 7 points in area of*  
*T. 8392. Maximum error was 0.229 mm.*

The elevations were not checked on ozalid print of map compilation, as the field photographs were not available to this party.

14. ROAD CLASSIFICATIONS

All roads were checked and corrections made where necessary. All Roads not previously classified were classified according to instructions.

Approved:

  
Ray L. Schoppe,  
Chief of Party.

Respectfully submitted,

Hiram B. Wright,  
Photogrammetric Aid

May 12, 1944

## Remarks.

## Decisions

1		USGB
2		"
3		
4		Railway Guide
5		Road Maps
6		"
7		"
8		
9		276823
10		"
11		276824
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		276825 USGB
20		276824
21		"
22		277824
23		"
24		"
25		"
26		"
27		"
M 234		



# GEOGRAPHIC NAMES

Survey No. T-8392

GEOGRAPHIC NAMES											
Survey No. T-8392											
2 Name on Survey											

Names underlined in red approved

by H. Heck on 6/6/44



## Remarks.

## Decisions

1		277824
2		"
3		"
4		"
5		"
6		"
7		"
8		"
9		"
10		"
11		"
12		277825 USGB
13		" "
14		277824
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22		"
23		
24		
25		
26		
27		

# GEOGRAPHIC NAMES

Survey No. T-8392

GEOGRAPHIC NAMES		Survey No. T-8392									
2	Name on Survey	<div>On Chart No.</div> <div>On previous survey No.</div> <div>On U. S. quadrangle Maps</div> <div>From local information</div> <div>On local Maps</div> <div>P. O. Guide or Map</div> <div>Rand McNally Atlas</div> <div>U. S. Light List</div>									
		A	B	C	D	E	F	G	H	K	
✓	<u>Ruskin Inlet</u> ✓										1
✓	<u>Marsh Branch</u>										2
✓	<u>Devils Elbow</u> ✓										3
✓	<u>Snake Island</u> ✓										4
✓	<u>Pirate Point</u> ✓										5
✓	<u>Goat Island</u> ✓										6
✓	<u>Whiskey Key</u> ✓										7
✓	<u>Shell Point</u> ✓										8
✓	<u>Bird Key</u> ✓										9
✓	<u>Sand Island</u> ✓										10
✓	<u>Sand Point</u> ✓										11
✓	<u>Little Cockroach Rock</u> <u>Pass</u> ✓			Not shown	HL						12
✓	<u>Little Cockroach Bay</u> ✓										13
✓	<u>Cabbage Creek</u> ✓										14
✓	<u>Crab Creek</u> ✓										15
✓	<u>Banana Creek</u> ✓										16
✓	<u>Mangrove Point</u> ✓										17
✓	<u>Pelican Cove</u> ✓										18
✓	<u>Hunter Pass</u> ✓										19
✓	<u>Double Bayou Pass</u> ✓										20
✓	<u>Lizas Fork</u>			(a little here)		Not enough		HL			21
✓	<u>Wolf Branch</u> ✓			"							22
											23
											24
											25
											26
											27

Names underlined in red approved

by H. H. H. on 6/6/44

M 234

Names underlined in red approved  
by Heck on 6/6/44

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8392

RUSKIN QUADRANGLE, FLORIDA

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 See descriptive report, also

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-5840	1/10,000	T-5841	1/10000
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These surveys served as a base for T-8392.

Comparison with Nautical Charts Nos. 586 1/40000

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:

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

The greater part of the shoreline was revised. A new plot was made for this area, because it was found that the plot for the planimetrics was not accurate.

*Second-order traverse stations T.P. 7 (N.D.), T.P. 7 (N.D.) and C-15 (N.D.), 1944, were plotted on the map manuscript at the time of review.*

Reviewed \_\_\_\_\_ By K. N. Maki 29 May, 1944  
under direction of D. H. Benson *K. N. M.*

Inspected by B. G. Jones *B. G. Jones*

Examined and approved:

*[Signature]*  
Chief, Surveys Branch  
*Quentin East*

*[Signature]*  
Chief, Div. of Charts

*K. T. Adams*  
Chief, Topography Section

*W. M. Acaife*  
Chief, Div. of Coastal

*Division of Photogrammetry*

Surveys

## 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.



# NAUTICAL CHARTS BRANCH

SURVEY NO. T-8392

## Record of Application to Charts

[illegible]

**M-2168-1**

**A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.**