

8409

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. _____ Office No. T-8409

LOCALITY

State Florida

General locality Tampa Bay Area

Locality Sarasota County

MYAKKA RIVER, FLA.

1944

CHIEF OF PARTY

Comdr. Ray L. Schoppe

LIBRARY & ARCHIVES

DATE February 9, 1948

8409

DATA RECORD

T-8409

Quadrangle (II):

Project No. (II): CS 290 C

Field Office: Tampa, Fla.

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 Descriptive
Report No. T- (VI)
Div. Photogram Office Files

Completed survey received in office: 8 May 1944

Reported to Nautical Chart Section:

Reviewed: 16 June 1944 Applied to chart No. None Date:

Redrafting Completed: 29 June 1944

Registered: ~~19 Dec 1947~~ Jan 1948

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): Havoline, 1934

Lat.: 27°02'48.467" (1491.7M) Long.: 82°15'52.806" (1455.3M) Adjusted ✓
Unadjusted

State Plane Coordinates (VI):

Not available

X =

Y =

Military Grid Zone (VI) 8

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
11705	12/12/42		1:20,000	Inshore Sheet
11706	"		"	
11707	"		"	

Tide from (III): --

Mean Range: --

Spring Range: --

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

Field Inspection by: A. W. P. Rogers, Photo. Aid date: Mar., 1944
L. C. Bonham, Jr. Photo. Engr.

Field Edit by: *George E. Varnadoe* date:
Prin. Photo Aid.

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

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

" " " checked by: " " date:

Control plotted by: H. W. Thune date: Apr., 1944

Control checked by: E. C. Andrews date: Apr., 1944

Radial Plot by: Tampa Office Personnel date: Apr., 1944

Detailed by: V. F. Simmons, Sr. Photo. Aid date: Apr., 1944

Reviewed in compilation office by: A. L. Kidwell date: Apr-May-'44
Jr. Topo. Eng.

Elevations on Field Edit Sheet
checked by: *Elevations on manuscript checked against field photos* date: 6-16-44
Q M Stanton

STATISTICS (III)

Land Area (Sq. Statute Miles): 64.5

Shoreline (More than 200 meters to opposite shore): 4.1

Shoreline (Less than 200 meters to opposite shore): 17.7

Number of Recoverable Topographic Stations established: 0

Number of Temporary Hydrographic Stations located by radial plot: 0

Leveling (to control contours) - miles: 80

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. 290C, 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-8409
Project CS 290 C
Ray L. Schoppe, Comdr., Chief of Party

1. Description of the Area. This area lies approximately four miles southeast of Venice, Florida, and is located in Sarasota County. It is bounded on the north by $27^{\circ}11\frac{1}{2}'$ north latitude, on the east by $82^{\circ}15'$ west longitude, on the south by $27^{\circ}00'$ north latitude, and on the west by $82^{\circ}22\frac{1}{2}'$ west longitude. The area varies in elevation from 25 feet in the northeast corner to sea level at the southeast corner along the Myakka River.

The Myakka River enters the quadrangle near the northwest corner and meanders through the area sluggishly, cutting through the southeast corner, widening appreciably before leaving the quadrangle. U. S. Highway 41 cuts through the area, dividing it approximately into halves, and runs from east to west. The only important road, other than this highway, is Florida State Highway 311, which enters the quadrangle northwest of Venice, and runs parallel to the river, crossing U. S. Highway 41 at about the center of the quadrangle, thence due south.

With the exception of about two and one-half square miles devoted to garden produce in the northwest corner, the entire area is classed as grazing land, very flat, and covered with shallow intermittent ponds.

The Venice Army Air Base has a bombing range just south of Highway 41. It is located in the west central portion of the quadrangle. This area is fenced in, and has the form of a hexagon.

2. Completeness of Field Inspection. The field inspection of this quadrangle was completed by the topographer, with the exception of the northwest portion, which was done by L. Bonham, Junior Photo. Engr. The field inspection of the quadrangle is complete with the exception of a wooded area just east of the Myakka River which is inaccessible.

3. Interpretation of the Photographs. Darker densities along streams and certain swampy ponds indicate deciduous growth. Certain deeper intermittent ponds favor a dense brushy growth, usually the button willow and marsh grass. Such areas have a cloudy cast similar in tone to the lighter grassy areas. These areas are nicely contrasted with the thin sheet of surrounding water usually covered with iris. The majority of such ponds are intermittent. Those classed as perennial ponds, being deeper, show as darker tones, and upon close inspection, one finds the broad lily pads which require water continuously.

4. Horizontal Control. Recovery of horizontal control in this quadrangle has been completed by W. Bever, Jr. Topo. Engr., and J. A. Webb, Sr. Engr. Aid. Proper recovery notes and reports have been submitted to the compilation office.

5. Vertical Control. Vertical control for the planetable work was provided by the parties of W. A. Warren, Asst. Photo. Aid. All level loops closed within the required limits of accuracy.

6. Contours and Drainage. The contouring of this quadrangle was done by regular planetable methods on photographs 11707 and 11766. All closures were within the prescribed limits of accuracy. The only contour present was found in the northeast corner of the area. A number of 20-foot depression contours were found. Satisfactory junctions were made with adjoining quadrangles.

The majority of intermittent streams were easily discernible on the photographs, but where obscure and doubtful, inspection was made, where accessible, and the distance from woods' edge was paced and plotted. Where inaccessible, as along a portion of the Deer Prairie Creek, the probable drainage symbol was used. This creek is shown on photograph 11766.

The general slope on either side of the Myakka River is toward the river or its tributaries, Deer Prairie Creek and Big Slough Creek. South of Highway 41 and west of Highway 311, the general slope is to the west and south.

7. Mean High-Water Line. The mean high-water line along most of the Myakka River can be obtained from 1:10,000 scale field photographs 4381, 4382, 4383, 4384, and 4385, or from sheets T-5880 and T-5881 on project GS 242 G.

Items 8 through 10 are inapplicable to this quadrangle.

11. Landmarks and Aids to Navigation. There are no landmarks recommended for charting within the limits of this quadrangle.

Item 12 is inapplicable to this quadrangle.

13. Landing Fields and Aeronautical Aids. There are no landing fields or aeronautical aids within the limits of this quadrangle. Refer to item 1 for location of Venice Army Air Base bombing range.

14. Road Classification. All roads have been classified according to instructions.

15. Bridges. Refer to supplement by C. C. Fryer, Jr.
Topo. Engr.

16. Buildings and Structures. All buildings and structures to be shown have been circled in red, and deletions are in red.

17. Boundary Monuments and Lines. Refer to supplement by C. C. Fryer, Jr. Topo. Engr.

18. Geographic Names. This is the subject of a special report by J. W. Stingley, Jr. Topo. Engr. ~~X~~

19. The portion of this quadrangle inspected by L. Bonham, Jr. Photo. Engr., is approximately the northwest quadrant, north of U. S. Highway 41, extending east to a line two miles east of the Myakka River, and parallel to it; southeast as far as Deer Prairie Creek, thence south of its confluence with the Myakka River.

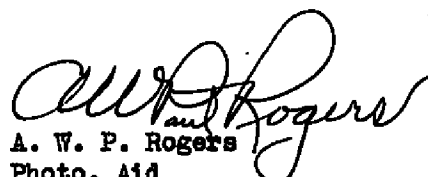
Field Inspection completed by Mr. Bonham is shown on photograph 11707. That done by the topographer is shown on photographs 11705, 11707, 11708, 11764, and 11766.

Additional elevations were spotted by planetable traverse over the area and are shown on photographs 11705 and 11706.


48. Accuracy Tests. A vertical accuracy test will be run over a portion of this quadrangle during the field edit.

A horizontal accuracy test will be run over a portion of this quadrangle at a later date.

Respectfully submitted:


A. W. P. Rogers
Photo. Aid
March 30, 1944

Approved:


Ray L. Schoppe
Chief of Party

Supplement

The political subdivision lines as 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 boundaries 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 by the field edit party on the compilations that are to a true scale of 1:20,000.

Each photograph that touches or borders a quadrangle should be examined to locate these boundaries. In many cases they will appear on the wings of the photographs.

This same rule must be followed in regard to the classification of bridges. Bridges for quadrangle T-8409 are found on photograph 11707.

Respectfully submitted:

C. C. Fryer
Jr. Topo. Engr.
March 30, 1944

P.C.F.

COMPILATION REPORT
To Accompany
SHEET NO. T-8409

26. CONTROL

Two primary control stations fall within the limits of this sheet and were sufficient to control the radial plot when used in conjunction with the control on adjoining quadrangles.

Δ Handline, 1934 *B M 538*
Δ Triangle, 1934 *738*
Topo. Handline Adj MK *U 38*

27. MAIN RADIAL PLOT

A discussion of the main radial plot, of which this sheet is a part, is included in the descriptive report for Sheet No. T-8407.

28. DETAILING

The photographs were clear but the scale was in general only fair. The field inspection was adequate.

Description of this area is covered by field inspection report, submitted by A. W. P. Rogers, Photogrammetric Aid, March 30, 1944.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

No existing topographic quadrangle maps were available for comparison.

45. COMPARISON WITH NAUTICAL CHARTS

None of the published nautical charts cover the area shown on T-8409 in detail.

Respectfully submitted,

Vincent F. Simmons
Vincent F. Simmons,
Sr. Photo. Aid

Forwarded by,

Ray L. Schoppe
Ray L. Schoppe,
Chief of Party.

FIELD EDIT REPORT
To Accompany
SHEET NO. T-8409

46. METHODS

In editing the map compilation, all roads were traversed by truck, and in a few places it was necessary to walk in order to make a visual inspection of the topographic features. The shoreline of the Myakka River, except where accessible by road, was not inspected by the field edit party.

All additions, corrections and deletions are to be found on the ozalid print of the map compilation. Black ink was used for all additions, classifications and corrections; green ink was used for all deletions.

All citrus was classified. Where the trees are large and overlap the ground, they are classified as "A"; where they are small or scattered they are classified as "C".

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

47. ADEQUACY OF THE COMPILATION

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

48. ACCURACY TESTS

A horizontal accuracy test beginning in this quadrangle at triangulation station "TRIANGLE, 1934" and terminating in quadrangle T-8410, was accomplished by the writer. The results of this test are unknown to date.

not received 6/16/44

*Record Bks.
& computations
in Div. Photog.
Gen. Files
(LTS, 19 Dec. 1944)
See Review of work.*

A vertical accuracy test was accomplished by the writer and is covered by a separate report.

within the map specification for accuracy.

14. ROAD CLASSIFICATIONS

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 classifications given bridges by the field edit party are to supersede all other classifications.

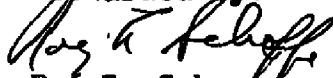
17. BOUNDARY MONUMENTS AND LINES

All boundary lines were checked, and a correction was made of a precinct boundary line in the northwestern part of the quadrangle. The boundary line is now in agreement with the line shown on a map furnished by the County Commissioners Office of Sarasota County. These lines are not monumented.

Respectfully submitted,

George E. Varnadoe,
Prin. Photo. Aid.

Forwarded by:


Ray L. Schopps,
Chief of Party.

VERTICAL ACCURACY TEST

QUADRANGLE 8409

PROJECT CS-290 G

A vertical accuracy test in this quadrangle was accomplished by the writer on field photograph number 11766.

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 contours are within the limits of accuracy required.

Respectively submitted

George E. Varnadoe

George E. Varnadoe

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- 8409

Myakka River, Fla. QUADRANGLE

This quadrangle manuscript has been examined for completeness, accuracy, and conformity with the specifications. It is adequate for smooth drafting, reproduction and publication. Revisions found to be necessary in this office are discussed on the next page.

Horizontal and Vertical Accuracy

A summary of the vertical accuracy test is given on a preceding page. Vertical accuracy was found satisfactory.

** No horizontal accuracy test was applied to this quadrangle.*

A test triangle was run from a triangle west to S. Vanit and around a section of the north west corner of T-8409 but the triangle was not applied as a test on this quadrangle. 8397.

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

Comparison with Nautical Charts Nos. *None*

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:

** A horizontal accuracy test was made over a small section in the North west corner of this quadrangle and the results were satisfactory. The summary of this test is filed in report T-8410 839200*

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

None of consequence.

Reviewed 16 June, 1944 By A. H. Horton
under direction of D. H. Benson *per L.T.S.*

Inspected by B. G. Jones *B.G. Jones 1/48*

Examined and approved:

K. T. Adams
Chief, ~~Surveys Branch~~
Division of Photogrammetry

~~Chief, Topography Section~~

[Signature]
Chief, ~~Div. of Charts~~
Nautical Chart Branch
[Signature]
Chief, Div. of Coastal
Surveys

T-8409

Remarks

Decisions

1		
2		
3		USOB
4		
5		
6		Road Maps
7		"
8		269821 USOB
9		270822-23
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		271822-823
20		270822-23
21		271822-23
22		"
23		"
24		
25		
26		
27		

GEOGRAPHIC NAMES

Survey No. T-8409

quadrangle

Name on Survey

	A	B	C	D	E	F	G	H	K	
<u>Myakka River</u> has been proposed to U.S.G.S. as title of this quad.										1
										2
<u>Florida</u>	✓									3
<u>Sarasota County</u>	✓									4
<u>Charlotte County</u>	✓									5
<u>U.S. No. 41/ State No. 5</u>	✓		(Tamiami Trail)	✓						6
<u>State No. 311</u>	✓									7
<u>Myakka River</u>	✓									8
<u>Englewood Road</u>	✓									9
<u>River Road</u>	✓									10
<u>Center Road</u>	✓									11
<u>Evans Fishing Camp</u>	✓									12
<u>Big Slough</u>	✓									13
<u>Rock Creek</u>										14
<u>Salt Springs</u>	✓									15
<u>Salt Springs Road</u>	✓									16
<u>Salt Creek</u>	✓									17
<u>Deer Prairie Creek</u>	✓									18
<u>Deer Prairie Slough</u>	✓									19
<u>River Trail</u>	✓									20
<u>Manhattan Farms</u>	✓									21
<u>Venice Farms</u>		(partly here)			not enough					22
<u>Jackson Road</u>	✓									23
										24
										25
										26
										27

Names underlined in red approved
by L. Heck on 6/23/44