

original

8406

8406

Diag'd. on diag.ch. No. 1256

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. _____ Office No. T-8406

LOCALITY

State Florida

General locality Sarasota

Locality Longboat Key Bird Keys

1944

CHIEF OF PARTY

Ray L. Schoppe

LIBRARY & ARCHIVES

DATE January 7, 1948

T8406

Form T-1

DATA RECORD

T- 8406

Quadrangle (II): T-8406

Bird Keys

Project No. (II): CS 290 C

Field Office:

War Mapping Field Party #2

Chief of Party:

Ray L. Schoppe

Compilation Office:

Chief of Party:

Instructions dated (II III):

November 16, 1942

Copy filed in Descriptive

~~Report No. T-~~ (VI)

Div. Photogram. Office Files

Completed survey received in office: 17 May 1944

Reported to Nautical Chart Section:

Reviewed: 14 June 1944

Applied to chart No.

Date:

Redrafting Completed: 19 June 1944

Registered: 17 Dec 1947

Published: 1944

Compilation Scale: 1:20,000

Published Scale: 1:31680

Scale Factor (III): 1.00

Geographic Datum (III): N.A. '27

Datum Plane (III): M. S. L.

Reference Station (III): ROCKS 2, 1935

Lat.: 27° 14' 30.696" Long.: 82° 31' 59.450"

Adjusted
Unadjusted

State Plane Coordinates (VI):

X =

Y =

Military Grid Zone (VI) Mil. Zone B

This map was compiled as part of
T8407. See descriptive T8407 for complete data
record.

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PHOTOGRAPHS (III)

Number Date Time Scale Stage of Tide

see T-8407 ✓

Tide from (III):

Mean Range:

Spring Range:

Camera: (kind or source)

Field Inspection by:

date:

Contours by: W. F. Robohn

date: February, 1944

Field Edit by:

date:

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

Projection and Grids ruled by (III)

date:

" " " checked by:

date:

Control plotted by:

date:

Control checked by:

date:

Radial Plot by:

date:

Detailed by:

date:

Reviewed in compilation office by:

date:

Elevations on Field Edit Sheet

date:

checked by: Elevations checked
against photograph
elevations, except
for small area at
top of sheet where
coverage could not
be found. L. J. Evans (2)

6/14/44

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STATISTICS (III)

Land Area (Sq. Statute Miles):

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: 2

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

T-8406 - Bird Keys Quad.

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:

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 1947 on the scale of 1:10000. 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.

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DESCRIPTIVE REPORT TO ACCOMPANY
QUADRANGLE T-8406—
Project CS 290 C
Ray L. Schoppe, Comdr., Chief of Party

1. Description of the Area. This quadrangle consists of approximately two square miles of land area, the remainder being composed of the Gulf of Mexico. The land area is a part of Longboat Key, a long low island separating Sarasota Bay and the Gulf of Mexico. This is a low, swampy area with no built-up sections. There are no streams within the area, and the land is covered with scrubby brush, palm, palmetto, and pine. There are no railroads, and only one road -- Florida Highway #18.

2. Completeness of Field Inspection. By agreement with Lieut. Comdr. Kenneth G. Crosby, and in compliance with The Director's letter dated November 4, 1943, the area was field inspected by a party under the direction of Lieut. Comdr. Crosby. Refer to the descriptive report of the planimetric map of this area.

3. Interpretation of the Photographs. One photograph covered the area, and as it has few topographic features, the photograph was simple to interpret. The road showed as a light line, and the few buildings stand out well. The mangrove swamps show up dark in contrast to the higher ground.

4. Horizontal Control. Horizontal control has been properly classified, according to instructions, and the report previously forwarded.

5. Vertical Control. The supplemental levels on this quadrangle were run with a small wye level and stadia rods. Elevations were determined at about one-fourth mile intervals along Florida Highway #18, which runs along the highest portion of the island. The loops originated and concluded at a Coast and Geodetic Survey bench mark of second-order accuracy. All bench marks known to be within the area were searched for and proper notes submitted by W. Bever, Jr. Topo. Engr. Levels were run by W. F. Robohn, Sr. Photo. Aid, who also contoured the area.

6. Contours and Drainage. During the running of the levels, the land was inspected for contours. As there were no elevations approaching twenty feet, and as the road was the highest portion of the island, there were no contours on this quadrangle. There is no drainage within the quadrangle.

Items 7, 8, 9, 10, 11, and 12, were completed by the party of Lieut. Comdr. Crosby, as set forth in item 2 of this report. Refer to descriptive report of planimetric map.

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

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14. Road Classification. Refer to item 2, this report, and descriptive report for planimetric map.

15. Bridges. There are no bridges within the limits of this quadrangle.

16. Buildings and Structures. Refer to item 2, this report, and descriptive report for planimetric map.

17. Boundary Monuments and Lines. Political boundaries and monuments will be checked and added by the field edit party.

18. Geographic Names. This will be the subject of a special report. *L**

19. Data . All work done by this field party was accomplished on one photograph, No. 11492, which covers the entire land area.

Respectfully submitted:

Walter F. Robohn

Walter F. Robohn
Sr. Photo. Aid
February 16, 1944

Approved:

Ray L. Schoppe

Ray L. Schoppe
Chief of Party

COMPILATION REPORT
To Accompany
SHEET NO. T-8406

The compilation of Sheet T-8406 is covered in the compilation report for Sheet T-8407. Being so small in area, it was found that it could be drafted on a projection that would take care of both quadrangles to advantage.

James H. S. Billmyer

	Remarks	Decisions
1		271824
2		272824-825
3		"
4		"
5		" USGB
6		"
7	The present USGB decision for this pass is <u>Magistrates Pass</u> , a purely artificial name based on boom days conditions. It is believed that the Board will revise this decision to conform with local usage and an appropriate name, so that Midnight Pass is OK.	"
8		"
9		"
10		"
11		
12		USGB
13		
14		
15		
16		
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19		
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26		
27	(9'	

GEOGRAPHIC NAMES

Survey No. T-8406

GEOGRAPHIC NAMES										
Survey No. T-8406										
Name on Survey	quadrangle									
	A	B	C	D	E	F	G	H	K	
Casey Key										1
Vamo		(partly here)								2
Little Sarasota Bay										3
Bird Keys										4
Sarasota Bay Key										5
North Creek		(mouth of)								6
Midnight Pass										7
White Beach										8
Point O'Rocks										9
										10
Gulf of Mexico										11
Florida										12
Sarasota County										13
										14
										15
										16
										17
										18
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										20
										21
										22
										23
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										26
										27

Title for this quadrangle has not yet been assigned, but necessary information has been supplied to U.S.G.S.

Note that T-8406 is now the area west of T-8407, and not, as at first assigned, the very small land area west of T-8405.

Names underlined in red approved by Heck on 6/20/44

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M 234

Title for this quadrangle has not yet been assigned, but necessary information has been supplied to U.S.G.S.

Note that T-8406 is now the area west of T-8407, and not, as at first assigned, the very small land area west of T-8405.

Names underlined in red approved
by Heck on 6/20/44

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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.

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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-8406

BIRD KEYS, 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

No tests made in this quadrangle.

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.

~~Since~~ This manuscript compiled from the recent planimetric maps of the area was not compared with the older planimetric surveys.

Comparison with Nautical Charts Nos. 1254

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:

*"Musketeers Pass" on Chart is "Midnight Pass" on Quad.
Geographic Names Section accepts "Midnight Pass."*

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 14 June 1944 By Francis J. Evans
under direction of D. H. Benson *per L.T.S.*

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

Examined and approved:

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

[Signature]
Chief, ~~Topography Section~~

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

[Signature]
Chief, Div. of Coastal
Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-8406

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.