

8398

Diag.Ch. No. 1257-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. CS-290-A Office No. T-8398

LOCALITY

State Florida

General locality Tampa Bay Area

Locality Egmont Key Quad

1944

CHIEF OF PARTY

R.L.Schoppe

LIBRARY & ARCHIVES

DATE June 2, 1949

B-1870-1 (1)

8398

DATA RECORD

T-~~8397~~ 8398

EGMONT KEY - T-8398

Quadrangle (II): ~~ANNA MARIA~~ T-8397

Project No. (II): CS 290 A

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

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

Instructions dated (II III): 11/16/42 Copy filed in ^{Division of} ~~Descriptive~~
~~Report No. T- (VI)~~
Photogrammetry Office Files.

Completed survey received in office: 24 April, 1944

Reported to Nautical Chart Section:

Reviewed: 22 May 1944 Applied to chart No. 586 Date: 5/16/47

Redrafting Completed: 31 May, 1944

Registered: 24 Nov. 1948

Published: May, 1945

Compilation Scale: 1:20,000

Published Scale: 1:31680

Scale Factor (III):

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

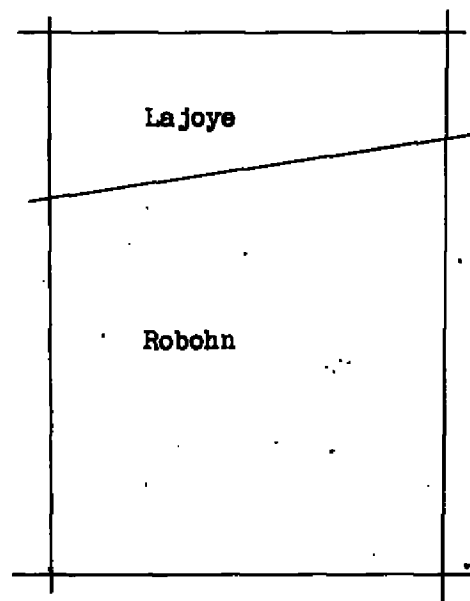
Reference Station (III): ^{Egmont Key Lighthouse, 1873} ~~SHEDS, 1924~~Lat.: ~~27° 31' 54.055" (1663.8M)~~ ^{27° 36' 01.739" (53.5M)} Long.: ~~82° 38' 47.942" (1315.5M)~~ ^{82° 45' 39.079" (1071.7M)} Adjusted
~~xxxxxx~~

State Plane Coordinates (VI):

X =

Y =

Military Grid Zone (VI) "B"



PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
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This sheet is a red-line celluloid print made from reductions of portions of sheets previously compiled on a scale of 1:10,000 as part of Project H.T.-242.

Tide from (III):

Mean Range:

Spring Range:

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

Field Inspection by:

date:

Field Edit by: J.C. Lajoie & C.C. Fryer

date: Feb., 1944

Contours by: J.C. Lajoie & W.F. Robohn

date: Feb., 1944

Date of Mean High-Water Line Location (III): See previous report.

Red-line celluloid print

~~Red-line celluloid print~~ ruled by (III) Wash. Office date:

" " " checked by: " " date:

Control plotted by: Printed on sheet " " date:

Control checked by: " " date:

Radial Plot by: " " date:

Detailed by: Emma A. Worrell, Asst. Engr. Draftsman date: March, 1944

Reviewed in compilation office by: M. M. Slavney date: April, 1944

Map Manuscript
Elevations on ~~Field Edit Sheet~~
checked by: N. S. Allen

date: Feb. 1944

STATISTICS (III)

Land Area (Sq. Statute Miles): **Previously reported**

Shoreline (More than 200 meters to opposite shore):
Previously reported

Shoreline (Less than 200 meters to opposite shore):
Previously reported

Number of Recoverable Topographic Stations established:
Previously reported

Number of Temporary Hydrographic Stations located by radial
plot: **Previously reported**

Leveling (to control contours) - miles: 9.7

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-8398

This quadrangle, together with similar adjoining maps produced under Project C.S. 290A, 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 (7-5833) maps of the area. These maps were compiled by this Bureau from aerial photographs taken in 1939 and were published in 1945 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~~.

Original filed
95 T-8397

DESCRIPTIVE REPORT TO ACCOMPANY
QUADRANGLE T-8397-8
PROJECT CS 290 A

1. Description of the Area. This quadrangle embraces approximately eight square miles of land area on the south and east sides of Tampa Bay, which were completed by W. P. Robohn, Sr. Photo. Aid; and two off-lying keys (Mullet and Egmont Keys) completed by J. C. Lajoie, Prin. Photo. Aid.

Egmont and Mullet Keys are dotted with abandoned fortifications and foundations of old buildings, overgrown with palms and brush. However, in the southern portion of the quadrangle, there are two built up areas -- Anna Maria, located on Anna Maria Key, and Palma Sola, which is a suburb of Bradenton. Both of these divisions have street systems, although many of the thoroughfares are becoming impassable through disuse. T-8397

Outside of the urban areas, most of the land is devoted to truck gardening. The small docks are used mostly by local fishermen.

2. Completeness of Field Inspection. As a whole, the detail on the compilation is complete, except for the different classification symbols now used. These symbols have been changed, and the new ones added. A small area north of the west entrance to Palma Sola Bay has been filled in, and was re-inspected. This area is outlined in green on photograph 11485.

3. Interpretation of the Photographs. The photographs are not exceptionally clear, because of a number of clouds and their resulting shadows which make it difficult to identify the low areas which normally are much darker than higher ground. Buildings and roads are not easy to identify.

4. Horizontal Control. Horizontal control was previously classified according to instructions, and the report forwarded.

5. Vertical Control. Supplemental fly levels within the quadrangle were run by the party who also contoured the area. Elevations were determined at road intersections and other identifiable points. Level loops originated at and closed on Coast and Geodetic Survey bench marks, which were of at least second order accuracy. All bench marks known to be within the area were searched for and proper recovery notes submitted by W. Bever, Jr. Topo. Engr.

6. Contours and Drainage. Contouring was accomplished by standard methods, according to instructions. On Egmont and Mullet Keys, the area was generally level, and the only existing

on T-8397

contours were around fortifications. Therefore no attempt was made to spot elevations in the flat areas.

Drainage was checked in the field, and found to be correct as shown.

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

9. Wharves and Shoreline Structures. A new dock has been constructed on Mullet Key, and is shown on the metal mounted print. It is somewhat shorter than the old pier, although constructed on the same alignment. That portion of the old pier which was removed -- that is, the portion to be removed from the compilation, has been deleted with green ink.

10. Details Offshore from the High-Water Line. The wreck of a vessel is lying off the Gulf of Mexico shore approximately halfway between Bradenton Beach and Anna Maria Beach. It is identified on photograph 11490.

11. Landmarks and Aids to Navigation. All beacons and lights within the limits of the quadrangle have been located. Those whose positions did not check with the positions shown on the compilation are encircled in black. Form 567 is submitted for all navigational aids. It should be noted that Beacon #2 has been removed, and a light installed (#2A). *See Ch. Letter 268 (44)*

12. Hydrographic Control. Hydrographic control was established by Photo. Compilation Party #1, in 1941. All hydrographic stations were occupied, except WOE 1941, in establishing the aids to navigation. All were found except MAR 1941.

13. Landing Fields and Aeronautical Aids. An emergency runway was found on Mullet Key, and is shown on the contour sheet.

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

15. Bridges. Bridges have been classified for capacity, vertical and horizontal clearance.

16. Buildings and Structures. All buildings and structures of no value have been deleted, and any new ones added.

17. Boundary Monuments and Lines. Political subdivisions have been investigated and shown according to instructions.
See Descriptive Report T-8390 for changes in Pinellas-Hillsboro Co. boundary line.

18. Geographic Names. Refer to descriptive report for original planimetric maps.

19. Data. Contouring is shown on photographs 11485 and 11487, and levels are shown on photograph 11489. New field inspection is on photograph 11485. Verification of positions of nautical aids is shown on metal mounted sheet.

46. Field Edit Methods. Field edit for that portion of the quadrangle contoured by Mr. Lajoie was field edited by that party. Several trips were made across the island from east to west, and the density of vegetation was shown. All existing roads were checked, and several added in this portion.

Field edit for the remainder of the quadrangle was done by C. C. Fryer, Jr. Topo. Engr. For this portion, deletions, additions, and corrections have been noted on photographs 11487 and 11489. Additions and corrections are shown in red, and deletions in green.

47. Adequacy of the Compilation. The compilation was found to be adequate except for the additions, deletions, and corrections noted.

48. Accuracy Tests. For horizontal accuracy test, refer to quadrangle T-8399 and T-8400. For vertical accuracy test, refer to quadrangle T-8405.

Respectfully submitted:

John C. Lajoie
Sr. Photo. Aid

Walter F. Robohn
Sr. Photo. Aid
February 28, 1944

Approved:

Ray L. Schoppe
Chief of Party

C. C. Fryer
Jr. Topo. Engr.
February 28, 1944

COMPILATION REPORT
To Accompany
SHEET NO. T-8397⁸

8

28. DETAILING

Sheet T-8397⁸ is a revision of a 7½ minute quadrangle made from portions of sheets previously compiled from aerial photographs on a scale of 1:10,000 as part of Project H.T.-242.

The quadrangle was furnished the compilation office in "red-line" on celluloid. Corrections and additions were made on this sheet in ink, from field edit notes, which were recorded on red-line paper prints similar to the celluloid sheet and on field photographs.

The southwestern city limit boundary of the town of Anna Maria is in doubt and is shown on a discrepancy overlay to be investigated in the field.

F 8397

34. LANDMARKS AND AIDS TO NAVIGATION

Most of the non-floating aids to navigation on this sheet were checked by plane table and found to be in a different position from the former locations. It is quite probable that these beacons have been rebuilt. The new positions are listed on the attached Forms 567. See Ch. Letter 268-44

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

There are no standard topographic quadrangle maps of this area with which T-8397⁸ could be compared.

45. COMPARISON WITH NAUTICAL CHARTS

In comparing the sheet with U. S. C. & G. S. chart No. 586, published March, 1935, (reissued, January, 1939), on a scale of 1:40,000, numerous shore-line discrepancies of a minor nature were noted. The topography features as delineated on T-8397⁸ should supersede the charted information.

8

Respectfully submitted

E. A. Worrell,
Asst. Engineering Draftsman

Forwarded by

Ray L. Schoppe,
Chief of Party.

T-8398

	Remarks	Decisions
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2		USGB
3		"
4		
5		
6		275827
7		"
8		"
9		"
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GEOGRAPHIC NAMES

Survey No. T-8398

EGMONT KEY quadrangle
Name on Survey

	A	B	C	D	E	F	G	H	K	
Gulf of Mexico ✓										1
Florida ✓										2
Hillsborough County ✓)			see notes on Hillsborough Co. Name							3
Manatee County ✓)			Sheet for limits							4
										5
Passage Key Inlet ✓										6
Southwest Channel ✓										7
Egmont Key ✓										8
Egmont Key Light ✓			(near north end of Egmont Key)				(Section 12A)			9
Pilot Lookout ✓			(see nautical chart 586)				Yacht at Egmont Key			10
Fort Dade (Abandoned) ✓			according to a field party names report,							11
			this former army post is abandoned, and							12
			remaining buildings have been turned over to							13
			Coast Guard: see old U.S.E. "Fort Dade"							14
			15 th quadrangle for location.							15
Egmont Channel ✓										16
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Names underlined in red approved
by L. Heck on 5/16/44

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8398

EGMONT KEY 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

Nearest horizontal accuracy tests is in quadrangles T-8399 & T-8400.
Nearest vertical accuracy test in is quadrangle T-8405.

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-440

T-1316b

1/20000

1873

Comparison with Nautical Charts Nos. 586 1/40000 Jan 1944

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:

Detail on T-8398 are complete and adequate for chart correction.

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

Egmont Channel Range Front plotted from position on planimetric map T-5833.

T-8397 (the quadrangle to the east) was originally planned to include Egmont Key — the only land area on T-8398, and the area was so compiled. Subsequently it was found to be impossible to include all the area on T-8397, and this quadrangle, T-8398, was made. This explains why there was only one descriptive report for the two quadrangles.

K T Adams
May, '49

Reviewed _____ By L. H. Mahi
K. N. Mahi, 22 May, 1944
under direction of D. H. Benson

Inspected by B. G. Jones

B. G. Jones

Examined and approved:

~~Chief, Surveys Branch~~

~~Chief, Div. of Charts~~

Nautical Chart Br.

K. T. Adams
Chief, Topography Section

Division of Photogrammetry

W. M. Scoble
Chief, Div. of Coastal

Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T 8398

Record of Application to Charts

[illegible]

N-2158-1

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.

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 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.

Descriptive Report.

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.

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 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.