

# 8380

Form 504

## U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

### DESCRIPTIVE REPORT

Type of Survey Air Photo. Compilation

Field No. \_\_\_\_\_ Office No. T-8380

#### LOCALITY

State Florida

General locality Tampa Bay

Locality Safety Harbor

1943

#### CHIEF OF PARTY

Lieut. Comdr. K. G. Crosby  
Commander Ray L. Schoppe

#### LIBRARY & ARCHIVES

DATE October 25, 1946

B-1870-1 (1)

## DATA RECORD

T- 8380

Quadrangle (II): Safety Harbor

Project No. (II): 290

Field Office: Tampa, Florida

Chief of Party: R. L. Schoppe

Compilation Office: Tampa, Fla. Chief of Party: K. G. Crosby

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

Completed survey received in office: ✓

*No record*

Reported to Nautical Chart Section: ✓

*1/26/45*Reviewed: *6/22/43*

Applied to chart No.

Date:

Redrafting Completed: 9/20/43

Registered: ✓

Published: 1944

Compilation Scale: 1:20,000

Published Scale: 1:31,680

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927

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

Reference Station (III): Jordan, 1934

Lat.:  $27^{\circ} 55' 12.034$  (370.4 m.) Long.:  $82^{\circ} 41' 35.293$  (965.0 m.) Adjusted  
~~Unadjusted~~

State Plane Coordinates (VI):

*Florida West zone (Transverse Mercator)*

X = 276,159.42 ft.

Y = 1,304,201.82 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>
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See descriptive reports for sheets T-5822, T-5825, and T-5828. These sheets were previously compiled on a scale of 1:10,000 from nine lens photos on Project H.T. 242. T-8380 is in compilation of reductions of portions of the above three sheets.

Tide from (III): Predicted tides Tampa Bay (Bayview, Old Tampa Bay)

Mean Range: 1.8 ft.

Spring Range: 2.4 ft.

Camera: (Kind or source) U.S.C.&G.S. 9 lens (8 $\frac{1}{4}$ " focal length)

Edit

Field ~~Inspection~~ by: Earl R. Loudon, Asst. Engr. Aid date: Mar.-Apr. 1943

Field Edit by: date:

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

Red-line celluloid print

~~Projection and Grids~~ ruled by (III) Wash. Office date: March 1943

" " " checked by: date:

Control plotted by: Project H.T. 242 date:

Control checked by: " " date:

Radial Plot by: " " date:

Corrected

~~Detected~~ by: M. R. Blake, Jr. Engr. Drafts. date: Apr.-May 1943

V.F. Simmons, Photo. Aid

Reviewed in compilation office by: date: May 1943  
J.H.S. Billmyer, Asst. Photo. Engr.

Elevations on Field Edit Sheet

checked by: W.W. St. John date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 32.6 (Previously reported)

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

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

Number of Recoverable Topographic Stations established:  
One (not previously reported)

Number of Temporary Hydrographic Stations located by radial plot:

Leveling (to control contours) - miles: 61 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

This quadrangle, together with similar adjoining maps produced under Project C.S.290-A, 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 ~~serial~~ <sup>aerial</sup> photographs taken in 1939 and were published ~~in 1945~~ on the scale of 1:10,000. Lithographic prints of the base sheets on cloth-mounted paper were furnished to the field parties.

### FIELD SURVEYS

No new photography was used in the preparation of this map.

Contouring and revision of the planimetric base map were by planetable methods. The completed field sheets were transmitted directly to the Washington Office as no photogrammetric work was involved in the completing of the base map.

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 base map. Contours, additions, and corrections were transferred directly from the field sheets to the appropriate color separation drawing by projector and inked. From these drawings, negatives and printing plates were prepared for reproduction of the finished map on the scale of 1:31,680

FIELD INSPECTION AND FIELD EDIT REPORT

QUADRANGLE T-8380

The field work for this quadrangle was accomplished on a base sheet compiled in the Tampa office from existing planimetric maps, numbers T-5822 and T-5825. In accordance with the instructions, therefore, items 1 through 4 in the descriptive report have been omitted.

5. Selected loops were run between previously established bench marks, after which transverse loops were run between points established on the initial loops. All loops within this quadrangle had small closures which were well within the limits of accuracy required.

All U. S. C. & G. S. bench marks have been searched for, and recovery notes have been submitted in accordance with the instructions. There were no Geological Survey bench marks.

A number of bench marks which were used within the limits of this quadrangle were Florida State Geodetic Survey traverse stations and bench marks in the "Y" series. Loops connecting them with new second order bench marks established in 1942-43 closed with no appreciable error, and no adjustment was necessary.

6. Planetable methods were used in contouring the entire quadrangle. The terrain in this area was mostly flat, and it was

found that the best way to define the contours was to get on one and follow it out. In a few places, two contours were in close enough proximity to get elevations and locate both of them at once.

Contouring in wooded areas was accomplished with the plane-table, except that in a few cases where the distances were short, hand level and pacing were resorted to.

Drainage on the map is shown almost completely. In a few cases, it was run in by traversing along the drainage or to points as near to it as possible; measurements were then taken through the woods to the drainage.

Vertical control for the contouring was furnished by a closely-spaced system of fly levels. The control was so spaced that the number of traverses and distances between vertical control were held to a minimum. In all cases where such traverses were necessary, closures were held to less than one foot.

7. There is no information for this item.
8. There is no data for this topic.
9. There is no data pertaining to this topic.
10. There are no conspicuous details off-shore on this quadrangle.
11. There is no information for this item.
12. There is no hydrographic control established for this quadrangle.
13. The Pinellas Army Air Base is located in this quadrangle. It is now being used for an Army airport. Much construction is going



on there at the present time. For the detail of this area, see the new single-lens photograph which has been submitted. *[Filed in desc. report envelope in Div. of Photogrammetry.]*

14. Roads were all shown and were reclassified in accordance with latest instructions.

15. All bridges have been classified according to the instructions.

16. Except for Safety Harbor, where only public buildings were shown on the map assembly, almost all buildings were shown.

Buildings of no material value, such as small shacks, sheds, and barns in bad repair, were deleted from the sheet.

17. The boundaries for the Pinellas Army Air Base are furnished on a single-lens photograph which has been submitted.

18. There is no information for this item.

19. In accordance with instructions dated December 6, 1942, new vertical control points which were established by the second order leveling party of G. C. Mast in 1942-43 have been located directly on the copy of the map assembly by planetable methods; there was no error greater than 0.5 m. Vertical control points which had previously located by radial plots were checked as to location. Those which have been destroyed in the interim have been deleted.

46. The field edit for this quadrangle was done by planetable methods and by measuring from identifiable points. In most cases this was done at the same time the contouring was being done. In areas where there are no contours, field editing was done by

measuring and by planetable after the contouring was completed.

47. The compilation was adequate for U. S. C. & G. S. standards.

New buildings were added to the sheet, and cultural features were reclassified in accordance with the new instructions.

48. The vertical accuracy test for this sheet was run by Ralph E. Houtrouw, Photogrammetric Aid. The section of the 60-foot contour tested is within the required limits of accuracy as set forth in the instructions. Five-foot contours can be added at a later date.

The test contour is shown on the sheet by orange lines connected to black dots. The black dots indicate the elevations on the contour ascertained in the field. The test was run independent of this topographic sheet on a copy of the map assembly and then transferred to this sheet and checked.

No horizontal accuracy test was run on this quadrangle. Refer to the accuracy tests for quadrangle T-8377 and 8386.

The levels for this quadrangle were run by Mr. A. W. Paul Rogers, Engineering Aid; that portion of this report which deals with levels was written by Mr. Rogers.

The field edit and contouring for this sheet were accomplished by Mr. Earl R. Loudon, Assistant Engineering Aid, and that portion of the report dealing with these subjects was accomplished by Mr. Loudon.

Respectfully submitted,

*Earl R. Loudon*  
Earl R. Loudon  
Asst. Engr. Aid

Approved 4/30/43

*Ray L. Schoppe*  
Ray L. Schoppe  
Chief of WMFP#2

COMPILATION REPORT  
TO ACCOMPANY  
QUADRANGLE T-8380

DETAILING

Quadrangle T-8380 is a part of three previously compiled Coast Survey sheets. These sheets, T-5822, T-5825 and T-5828 from project H.T. 242, have been combined in printing on a  $7\frac{1}{2}$  minute quadrangle. All revisions and additions have been made, as noted by the field party, inasmuch as photographs for this area were not in the office. These changes were noted in the field on paper prints of the quadrangle, then transferred in the office on acetate.

LANDING FIELDS AND AERONAUTICAL AIDS

Pinellas County Airport, which was added, was drawn from a single-lens photograph which was so badly tilted and out of scale that the projector had to be used. It is believed that it has been drawn correctly on the sheet. The single lens print is being submitted with the sheet. *Filed in disc. w/flat envelope in dir. of photogrammetry.*

The airport beacon picked from the single lens photo is the only Aeronautical Aid on the sheet. The description and geographic position are being submitted on Form 524.

Corporate limits and precinct boundaries were determined by the field party by consultation. These boundaries were marked on a paper print in the field and traced onto the acetate sheet by the compiler.

No difficulty was experienced in making the corrections from the field notes.

Respectfully submitted,

*Marie R. Blake*

Marie R. Blake,  
Jr. Engr. Draftsman

Forwarded by:

*Kenneth G. Crosby*  
Kenneth G. Crosby,  
Chief of Party....

## Remarks

## Decisions No. I

1		278 826
2		279 826
3		"
4		"
5		"
6		"
6 <sup>a</sup>		"
7		"
8	The name "Pinalos Army Airfield" is being used on Geonautical Charts according to Mr. Fitzgerald and Mr. Heck has OK'd this change. <del>MSA</del> 9-6-43 information gathered by Bihl in interview with Mr. Fitzgerald.	"
9		279 827
10		"
11		"
12		"
13		"
14		"
15		279 826
16		"
17		"
18		"
19		279 827
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# GEOGRAPHIC NAMES

Survey No. T.8380

Safety Harbor

NO I.

Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A	B	C	D	E	F	G	H	K	
✓ <u>Cross Bayou Canal</u> ✓									1
✓ <u>Cedar Point</u> ✓									2
✓ <u>Big Island</u> ✓									3
✓ <u>Grassy Point</u> ✓									4
✓ <u>Cabbage Patch Point</u> ✓									5
✓ <u>Big Island Gap</u> ✓									6
✓ <u>Grassy Creek</u> ✓									6a
✓ <u>Bunker Hill Island</u> ✓									7
✓ <u>ARMY AIR FIELD</u> <u>Pinellas County Airport</u> ✓									8
✓ <u>Highpoint</u> ✓									9
✓ <u>Long Branch Creek</u> ✓									10
✓ <u>Allen Creek</u> ✓									11
✓ <u>Coachman</u> ✓									12
✓ <u>Bayview</u> ✓									13
✓ <u>Old Tampa Bay</u> ✓									14
✓ <u>Cooper Bayou</u> ✓									15
✓ <u>Cooper Point</u> ✓									16
✓ <u>Boggy</u> <u>Booth Point</u> ✓									17
✓ <u>Safety Harbor</u> ✓									18
✓ <u>Alligator Creek</u> ✓									19
✓ <u>Beckett Lake</u> ✓									20
✓ <u>Harbor Lake</u> ✓									21
✓ <u>Millet Creek</u> ✓									22
									23
✓ <u>Davis Causeway</u> ✓									24
* <u>County Highway 30</u> ✓									25
✓ <u>State Highway 73</u> ✓									26
* <u>State Highway 17</u> U.S. 92 ✓									27

Remarks

Decisions No 2.

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# GEOGRAPHIC NAMES

Survey No. T. 8380

No 2.

Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A	B	C	D	E	F	G	H	K	
✓ <u>Florida Highway 64.</u>									1
✓ <u>Roosevelt Boulevard</u>									2
✓ <u>Pinellas County</u>									3
✓ <u>Hillsborough County</u>									4
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Names underlined in red approved  
by W. F. H. on 7-31-43

## NAUTICAL CHARTS BRANCH

SURVEY NO. T-8380

### 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.



## 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.

published quadrangle at 1:20,000 scale.

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, outlines.

Descriptive Report.

Division.

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 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.

Original celluloid manuscript.

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.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T- 8380

SAFETY HARBOR 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

The nearest horizontal accuracy test was run in quadrangle T-8377.

A vertical accuracy test was run in this quadrangle and found to be satisfactory. See Item 48, page 4, of the combined Field Inspection and Field Edit Report enclosed in this Descriptive Report.

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-1409a	1:20,000	1875
T-1409b		
T-4184	1:20,000	1926
T-4185		

Comparison with Nautical Charts Nos. 587, 1257.

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:

T-8380 has been applied to chart 587 since review.

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

Only changes of a minor nature were necessary during the review of this map manuscript.

Reviewed June 22, 1943 By Willis H. Johns  
(per D.M.)  
under direction of D. H. Benson

Inspected by B. G. Jones

*B.G. Jones 8/46*

Examined and approved:

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

~~Chief, Topography Section~~

Robert W. Baker  
Chief, Div. of Charts  
Nautical Chart Branch

Raymond E. Gorman  
Chief, Div. of Coastal  
Surveys