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. E. G. Crosby
Commander Ray L. Schoppe

**Library & Archives**

**Date**  October 2, 1946
DATA RECORD

T - 8360

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:  1/24/45
Reviewed:  4/27/43  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° 55' 12" 034 (370.4 m.)  Long.: 82° 41' 35" 293 (965.0 m.) Adjusted

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)

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<th>Time</th>
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<th>Stage of Tide</th>
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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 (1/2" focal length)

Edit
Field Inspection by: Earl R. Loudon, Asst. Engr. Aid date: Mar.-Apr. 1945

Field Edit by: date:

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

Red-line celluloid print

Project Data 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

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

V.F. Simmons, Photo.Aid

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

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 aerial 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 "blueline" 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-5360

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 es-
tablished 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. Planestable methods were used in contouring the entire quad-
range. 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.

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 sheds, 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 lev-
eling 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 plan table after the contouring was completed.

47. The compilation was adequate for U. S. C. & Q. 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. Houtrow, 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
Asst. Engr. Aid

Approved 4/30/43

Ray L. Schoppe
Chief of WMP#2
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.

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,
Chief of Party...
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The name "Trincomalee Army Airfield" is being used on operational charts according to Mr. Fitzgerald and Mr. Hook. The need was cited that the change was made 12-4-74. Information gathered by BIA in interview with Mr. Fitzgerald.
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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

<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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Before After Verification and Review

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Before After Verification and Review

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.
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—Survey Branch

Field inspection photographs.

Contoured photographs (on which planestable 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.

<table>
<thead>
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<th>Quadrangle</th>
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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 St. John
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 Whelan
Chief, Div. of Charts
Nautical Chart Branch

Chief, Div. of Coastal Surveys