

8386

Diad. on W. side Ch. No. 1257-2

8386

Form 504
U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT
Type of Survey <u>Topographic</u>
Field No. <u>T-8386</u> Office No. _____
LOCALITY
State <u>Florida</u>
General locality <u>Tampa Bay</u>
Locality <u>Port Tampa - Snell Island</u> <u>Port Tampa Quad</u>
<u>1943</u>
CHIEF OF PARTY
Ray L. Schoppe - Field K. G. Crosby - Compilation
LIBRARY & ARCHIVES
DATE <u>April 15, 1943</u>

DATA RECORD

T- 8386

Quadrangle (II): Port Tampa

Project No. (II): CS 290 A

Field Office: Tampa, Florida Chief of Party: Ray L. Schoppe

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

Instructions dated (II III): Nov. 16, 1942 Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office: ✓

no record

Reported to Nautical Chart Section: ✓

1/26/45

Reviewed: 5/21/43

Applied to chart No.

Date:

Redrafting Completed: 7/16/43

Registered:

Published: 1944

Compilation Scale: 1:20000

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): Asplin, 1934

Lat.: $27^{\circ}49'21''.352$ (657.2 m) Long.: $82^{\circ}35'48''.964$ (1340.1 m) Adjusted
~~unadjusted~~

State Plane Coordinates (VI):

Florida, West zone

X = 307,055.10

Y = 1,268,624.14

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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See descriptive reports for T-5828, T-5830, and T-5836 for photographs used for 1:10000 compilation.

Tide from (III): High water line taken from 1:10000 prints used in previous compilation.

Mean Range: Spring Range:

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

Field Inspection by: date:

Field Edit by: date: Feb. 1943
John C. Lajoie and Elliot Gillerman

Date of Mean High-Water Line Location (III):
See descriptive reports for T-5828, T-5830, and T-5836 for this information.

Projection and Grids ruled by (III) Washington Office date: Red Line Prints
March 1943

" " " checked by: " " date: "

Control plotted by: Previous compilation date: "

Control checked by: Previous compilation date: "

Radial Plot by: Previous compilation date: "

Corrections
~~Rechecked~~ by: V. F. Simmons, Photo. Aid date: Feb.-March, 1943

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

Elevations on Field Edit Sheet
checked by: G. Sauer date: May 11, 1943

STATISTICS (III)

Land Area (Sq. Statute Miles): Determined on Project HT 242

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: 26 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 "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 EDIT AND FIELD INSPECTION REPORT

QUADRANGLE T-8386

The field work for this quadrangle was accomplished on a base sheet compiled in ~~the Tampa office~~ from existing planimetric maps, numbers 15828, 15830, and 15836.

In accordance with instructions pertaining to quadrangles which were mapped on compilation sheets made from planimetric maps, ^{paragraph} numbers 1-4 in the descriptive report are not discussed.

5. Levels for the western section of this quadrangle, that portion know as Snell Island, were run by Walter F. Robohn. The levels for the section of the quadrangle located in the vicinity of Port Tampa City were run by James M. Grover. Since the two areas are separated by Tampa Bay, this report shall deal with the two portions of the quadrangle in separate paragraphs.

(a) The levels in the Snell Island area were run in the roads and in the streets of urban areas, and elevations were placed on described points. Loops were run between bench marks and tied with only a small error; no adjustment was required. Supplementary loops were run within the major loops and tied with no error greater than 0.30 foot; therefore, no adjustments were needed on these lines.

All bench marks in this area were searched for and recovered, and recovery notes have been submitted for all. The U. S. Coast and Geodetic Survey was the establishing agency for all bench marks.

(b) One day was spent in work connected with the eastern

portion of this quadrangle in the vicinity of Port Tampa City. The terrain encountered was comparatively level, the line falling almost entirely on a paved highway. All levels for this area were inked on photograph number 4105, and the error of closure was 0.11 foot.

Two spot elevations on the highest point of two artificial embankments near the end of the northern part of the Port Tampa pier were derived by hand leveling up from the high water line at the edge of the slip. These should be adjusted to mean sea level datum.

6. (a) The contours shown in the northeast section of the western (Snell Island) half of the sheet were run by plane table methods from supplemental levels established by Walter F. Robohn. Only a few small closed 20-foot contours were found. Several elevations were established in areas where the level party's coverage was felt to be inadequate. Examination of the entire area was made by hand level to determine any elevations of nearly 20 feet. With the exception of those shown, none was found. The drainage was found to be accurately shown on the compilation.

(b) No contours are present on the part of the quadrangle in the vicinity of Port Tampa City. A small artificial embankment reaches a height of 21.2 feet and another a height of 18.2 feet, as mentioned in paragraph 5. However, the area enclosed by a 20-foot contour would not exceed 15 meters in diameter and is not shown on the map; merely a spot elevation is indicated.

7. The mean high water line was found as shown.

8. No information on this item is available.

9. Two fishing shacks were shown, since they were located on the high water line.

10. No information on this item is pertinent.

11. (a) In the Snell Island area, cuts were taken to all main channel ranges, lights, and beacons to supplement those taken from the east side of the sheet.

(b) All lights and beacons in Tampa and Old Tampa Bay were checked by plane table methods. However, only two cuts could be obtained from the shoreline in the portion of quadrangle around Port Tampa City.

Plotted positions of all ranges, beacons, and lights were taken from records of the U. S. Engineer's Department and were fixed by triangulation.

A large water tank north of the slip and near the end of the pier at Port Tampa, marked as a triangulation station on the compilation and known as the Atlantic Coast Line Water Tank, has been destroyed and should be deleted from the map. This water tank could undoubtedly have been seen from a wide area adjacent to its location.

12. ~~No hydrographic control has been set up in this area.~~ *a number of permanent hydrographic stations exist in the area.*

13. An abandoned airport, complete with hangar and control tower, was shown on the compilation and checked by the field party which covered the Snell Island portion of the quadrangle.

Not shown on the monument map.

A large portion of MacDill Field, an army air training center, occupies the northeastern part of the quadrangle. The field is extensive and at present is used solely for military purposes.

Further information on this topic will be found in the report on quadrangle 8385.

14. All roads were classified according to instructions.

15. Bridges have been checked and classified by Mr. C. C. Fryer.

16. No buildings were checked on the eastern portion of this quadrangle. Buildings located in the western portion of the quadrangle were classified according to instructions. A large number of buildings have been built since the compilation was made, and these have been added to the sheet.

17. No boundaries were noted on the western portion of the sheet. The Army has a rifle and machine gun range here, but the boundaries could not adequately be determined.

The boundaries of MacDill Field, located in the eastern portion of the quadrangle, are marked on the photograph.

18. No information on this subject is available for this report.

19. The junctions with quadrangle 8381 to the north and quadrangle 8385 to the west were checked as to road and vegetation classification. No contours cross the limits of the quadrangle.

46. The field edit in the western portion of this quadrangle was done in conjunction with the contouring, and the area was well-covered both by truck and by foot. All additions and deletions have been noted in pencil on the topographic sheet.

In the eastern portion of the quadrangle, all corrections, additions, and deletions were made on the photograph, with the exception of a large oil tank on the northern side of the pier at Port Tampa; this was added to the compilation sheet. The large Atlantic Coast Line water tank which was on the same pier (marked as a triangulation station) is deleted on the compilation, since it has been destroyed.

Drainage symbols are shown in blue on the photograph, and cultural features and vegetation are shown in red. All elevations are in black. Deletions are shown by x's of appropriate color.

47. The compilation was found to be in good agreement with the existing detail, and only recent construction was found to be missing from the sheet.

48. No vertical accuracy test was run on this quadrangle. A test was run on the adjoining quadrangles to the east and to the west. It is believed that this map complies with the vertical accuracy specifications shown in the instructions.

The levels in the western portion of this quadrangle were run by Mr. Walter F. Robohn, and those in the eastern portion by Mr. James F. Grover; the part of the report pertaining to levels was written by these two men.

Field edit and contouring was done by Elliot Gillerman, Junior Topographic Engineer, and John C. Lajoie, Senior Photogrammetric Aid; the main body of the report has been written by these two men.

Respectfully submitted,

John C. Lajoie, Sr. Photo. Aid
John C. Lajoie
Elliot Gillerman, Jr. Topo. Engr.

Approved 4/15/43

Ray A. Felippe
Chief of Party
WMFP#2

COMPILATION REPORT
SHEET NO. T-8386
PROJECT No. C.S.-290

This sheet is made up of several sheets compiled for Project H.T. 242 from Photographs on a scale of 1:10,000.

Nine-lens field prints Nos. 11652 and 11653 on a scale of 1:20,000 were used in the making of additions and corrections on the sheet.

All detailing in the MacDill Field and Port Tampa areas was done by holding existing detail on the compilation. All other detailing was taken from a topographic sheet done by the field edit party. All buildings in Port Tampa City are shown and were checked by field edit party.

Road 2 leading southwest from the dispersal area in MacDill Field then due south through the munition dump to the east-west road is shown on the compilation. The munition dump and roads running through it are not shown in accordance with the desires of the local military authorities.

There are only four contours on the sheet, all 20 feet. These contours are in the northwest portion of the sheet.

All lights and beacons in Tampa Bay were plotted from positions furnished by the U. S. Engineers' office, with the exception of nine channel beacons southeast of Coffeeput Bayou. These beacons were located by planetable methods and were transferred to the survey sheet from the topographic sheet. Cut "K" Range Front Light apparently has been moved, and the planetable position is shown. All non-floating aids to navigation have been listed on form 567.

The photographs used in the compilation were very clear, but the scale was bad.

Precinct boundaries and military reservation boundaries are shown on an overlay.

Respectfully submitted,

Vincent F. Simmons

Vincent F. Simmons,
Photogrammetric Aid

Forwarded by:

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

TO BE CHARTED }
TO BE DELETED } STRIKE OUT ONE

Training - 11/01/2010

April 1, 1943 193

I recommend that the following objects which have (*have not*) been inspected from seaward to determine their value as landmarks, be charted on (*deleted from*) the charts indicated.

The positions given have been checked after listing

Kenneth C. G. Gregory

Chief of Party

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." The data should be considered for the charts of the area and not by individual field survey sheets. Information for each column heading should be given.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

List of Non-Floating Aids
to Navigation.
Sheet 7-5336

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

LANDMARKS FOR CHARTS

Tampa, Florida

April 2, 1943

19

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks, be charted on (deleted from) the charts indicated.
The positions given have been checked after listing.

Bartholomew G. Crosby

Chief of Party.

GENERAL LOCALITY	Range, Florida	POSITION										CHARTS AFFECTED		
		LATITUDE			LONGITUDE			DATUM	METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART		INSHORE CHART	OFFSHORE CHART
		°	'	D. M. METERS	°	'	D. P. METERS							
Cut F Range Rear Light		27	48	1382	82	31	680	N.A. 1927	Tide gauge 1942	1942	X		567 1257	
Cut F Range Front Light		27	47	1219	82	31	672	"	"	"	X		"	
Shoal No. North of Cut F		27	47	644	82	31	332	"	"	"	X		"	
Cut E Range Rear Light		27	48	930	82	31	86	"	"	"	X		"	
Cut E Range Front Light		27	45	1381	82	31	430	"	"	"	X		"	
Cut J Range Rear Light		27	45	74	82	34	554	"	"	"	X		"	
Cut J Range Front Light		27	45	1653	82	34	592	"	"	"	X		"	
Cut G Range Front Light		27	47	1031	82	30	372	"	"	"	X		"	
Cut O Range Rear Light		27	47	1227	82	35	1573	"	"	"	X		"	
Cut K Range Rear Light		27	47	1723	84	34	1631	"	"	"	X		"	
Cut K Range Front Light		27	48	1409	82	34	920	"	"	"	X		"	

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted landmarks and nonfloating aids to navigation, if predetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

T-8586

	Remarks	Decisions
1		277825
2		279825
3		
4		USGB
5		277826
6		"
7		" USGB
8		278826
9		"
10		"
11		"
12		278825 USGB
13		"
14		"
15		"
16		"
17		"
18		"
19		"
20		"
21		"
22	Not shown on black plate etc	"
23		"
24		"
25	Pending with USGB: apply pending its decision	" USGB
26	" " " "	" "
27		"

GEOGRAPHIC NAMES

Survey No. T-8386

PORT TAMPA quad.

No. 1 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	
✓ Tampa Bay	✓								1
✓ Old Tampa Bay	✓								2
✓ Pinellas County	✓								3
✓ Hillsborough County	✓								4
✓ Snell Isle	✓								5
✓ Coffeepot Bayou	✓								6
✓ Snacks Bayou	✓								7
✓ Shore Acres	✓								8
✓ Weedon Island	✓								9
✓ Weedon Hammock	✓								10
✓ Masters Bayou	✓								11
✓ Papys Bayou	✓								12
✓ Mermaid Point	✓								13
✓ Papys Point	✓								14
✓ Googe Island	✓								15
✓ Ross Island	✓								16
✓ Christmas Pass	✓								17
✓ Christmas Island	✓								18
✓ Snake Island	✓								19
✓ Benjamin Island	✓								20
✓ Mud Hole Island	✓								21
✓ × Gandy Bridge									22
× North Gandy Channel									23
× South Gandy Channel									24
✓ Port Tampa Dock	✓								25
✓ Port Tampa xxx	✓								26
✓ Coon Hammock Creek	✓								27

T-8336

	Remarks	Decisions
1		278825
2		"
3		"
4		278824
5		
6	Only partly on this quadrangle.	277826
7		
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GEOGRAPHIC NAMES

Survey No. T-3986

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>Picnic Island</u>	✓								1
✓ <u>Picnic Island Creek</u>	✓								2
✓ <u>Interbay Peninsula</u>	✓								3
✓ <u>MacDill MacDill Field</u>	✓								4
									5
✓ <u>Municipal Pier</u>	✓								6
									7
									8
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Names underlined in red approved
by L. Heck on 6/21/43

NAUTICAL CHARTS BRANCH

SURVEY NO. T-8386

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-8386

PORT TAMPA 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-8387.

The nearest vertical accuracy test was run in quadrangle T-8381.

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-1408a	1:20,000	1875
T-1409a	1:20,000	1875
T-4185	1:20,000	1926
T-4199	1:20,000	1926
T-4202	1:20,000	1926

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:~~

The details of T-8386 are complete and adequate for correction of chart 1257.

T-8386 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.

Port Tampa, Black Water Tank, 1945 (d) has been ~~added to~~ ^{plotted in} this map manuscript. The new position of this ^{station} was obtained by 3rd order traverse in 1945 and is ~~the position of~~ listed on page 828 of the Florida Geographic Positions.

Reviewed May 21, 1943 By Craigton O. DeMan
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. Knox
Chief, Div. of Charts
Nautical Chart Branch

Raymond L. Egan
Chief, Div. of Coastal
Surveys