

5838

1257

Diag'd, on diag. ch. No. 1257

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey Air Photo. Compilation

Field No. .... Office No. T-5838

### LOCALITY

State Florida

General locality Florida West Coast

Locality Hillsboro Bay & Alafia River

Single Lens Photos 11-28-38

Nine " " 12-8-39

" " " 11-12-42 (Enlarged)

*Supplemented by*

1944

*ground surveys to Oct. 1944*

### CHIEF OF PARTY

Comdr. Ray L. Schoppe

### LIBRARY & ARCHIVES

DATE Oct 14 - 1947

B-1870-1 (1)+4

5838

## DATA RECORD

T- 5838  
(Revised)

Quadrangle (II): T-5838

Project No. (II): CS 242-E

Field Office: Tampa, Florida

Chief of Party: Ray L. Schoppe

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

Instructions dated (II III): April 3, 1940

Copy filed in Descriptive  
Report No. T- (VI)

Completed survey received in office: 4/20/42. Manuscript and report sent back to Tampa 3/44 and completely recompiled. New manuscript and report submitted to this office 11/44. Reported to Nautical Chart Section: 4/42. New manuscript reported 1/26/45 and changes called to attention of nautical chart board on Feb 5, 1945.  
Reviewed: 4/45 Applied to chart No. Date:

Redrafting Completed: ✓ 11/23/45

Registered: 9/47

Published: ✓ 5/25/46

Compilation Scale: 1:10,000

Published Scale: 1:10,000

Scale Factor (III): 1.00

Geographic Datum (III): N. A. 1927

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

Reference Station (III): OLD, 1908 (U.S.E.)

Lat.: 27° 51' 51.262"  
(1577.9 M)

Long.: 82° 24' 06.149"  
(168.2 M)

Adjusted  
Unadjusted

State Plane Coordinates (VI): FLORIDA - WEST ZONE

X = 370,207.69

Y = 1,283,505.92

Military Grid Zone (VI)

Note: The new manuscript and report completely supersede the original manuscript and report. Old manuscript to be discarded as soon as review is completed.  
Bgg 2/3/45

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
BQF-2-142	11/28/38	No Data	1:10,000	No Data
BQF-2-143	"	"	"	"
BQF-2-144	"	"	"	"
BQF-2-193	"	"	"	"
BQF-2-194	"	"	"	"
BQF-2-195	"	"	"	"
BQF - 318	"	"	"	"
4046	12/8/39	11:38 A.M.	"	+ 1.0 ft.
11684	11/12/42	1:36 P.M.	" (Enlarged)	+ 1.25 ft.
11685	"	1:36 P.M.	"	+ 1.25 ft.

Tide from (III): Tampa, Hillsboro Bay

Mean Range: 1.9

Spring Range: 2.0

Camera: (Kind or source) U.S.C. & G.S. 9 Lens & \*single lens, see note.

Field Inspection by:

date:

Field Edit by:

date:

Date of Mean High Water Line Location (III): Date of photographs.

Projection and Grids ruled by (III) Washington Office date: --

" " " checked by: " " date: --

Control plotted by: M. M. Slavney date: 8/7/44

Control checked by: B. H. Lyon date: 8/7/44

Radial Plot by: Tampa Office Personnel date: 8/15/44

Detailed by: J. L. White & V. F. Simmons date: 10/25/44

Reviewed in compilation office by: J. A. Giles date: 10/27/44

Elevations on Field Edit Sheet  
checked by:

date:

\*Note: Single lens photographs taken by  
Dept. of Agriculture. Type of camera unknown.

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;

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;

-DESCRIPTIVE REPORT-  
To Accompany  
--SHEET NO. T-5838--  
-(Revised)

26. & 27. CONTROL & RADIAL PLOT

An account of the main radial plot has been incorporated in the revised descriptive report for Sheet T-5839.

28. DETAILING

The photographs used in the revision of this sheet consist of seven single lens photographs, BQF-2-142, BQF-2-143, BQF-2-144, BQF-2-193, BQF-2-194, BQF-2-195, and BQF-318. One nine lens photograph, 4046, and two 1:20,000 photographs enlarged to 1:10,000, center chambers only, 11684 and 11685.

Detail on the old compilation was traced from the northern limits of the sheet southward to latitude  $27^{\circ} 52'$ , with one exception. The northern section of refuse dump, U. S. Phosphoric Company, was detailed from photographs 11684 and 11685. These photographs were taken on November 12, 1942. The limits of the refuse dump have extended in a northerly and westerly direction since old compilation was completed.

Field inspection was done by the compiler in the immediate vicinity of U. S. Phosphoric Company, on October 11, 1944. Vegetation, shoreline, roads, railroads and buildings have been brought up to date on the revised compilation in this area. Field notes are entered on photograph No. 11684.

Detail south of latitude  $27^{\circ} 52' 10''$  along Hillsboro Bay to Atlantic Coast Line railroad, was delineated from the newer photographs. All remaining detail within the limits of this sheet was taken from the older photographs taken November 28, 1938.

A large building, shown on the old compilation approximately 100 meters southwest of latitude  $27^{\circ} 52'$ , longitude  $82^{\circ} 20'$ , was omitted on the revised compilation. This building is non-existent and was shown on the old compilation in error. It is believed the compiler interpreted a cultivated area as a building.

29. SUPPLEMENTAL DATA

No supplemental data was used in the revision of this sheet.

### 34. LANDMARKS AND AIDS TO NAVIGATION

The original report states that there are no landmarks on this sheet. This statement is in error. One prominent landmark appears on this sheet - - U. S. Phosphoric, Black Water Tank, 1926, which is also a triangulation station, and is shown on Chart No. 587.

Beacon 2 (Lt. U.S.E.), 1935 (d.) also appears on this sheet. The position is listed on form No. 567 and accompanies this report.

*Chart of Letter # 101 (1945)*

### 35. HYDROGRAPHIC CONTROL

There are nine marked H. & T. stations within the revised portion of this sheet. These stations and their true positions, superceding all previous ones, are as follows:

FLA, 1941	Lat. 27° 51'	746 m.	Long. 82° 21'	188.5 m.
ALA, 1941	Lat. 27 51	925.5	Long. 82 22	101.5
BULL, 1941	-Lat. 27 50	435	Long. 82 23	979
B.M. X-39, 1933	-Lat. 27 50	177	Long. 82 22	1212
20066-00, 1933 (U.S.E.)	-Lat. 27 51	637	Long. 82 23	55
18387-00, 1933 (U.S.E.)	-Lat. 27 51	538	Long. 82 23	556
18387-200, 1933 (U.S.E.)	-Lat. 27 51	597	Long. 82 23	570
*15500-400, 1933 (U.S.E.)	-Lat. 27 51	471	Long. 82 23	1444
15500-00, 1933 (U.S.E.)	-Lat. 27 51	349	Long. 82 23	1414

*Correct our positions on original cards to agree with new numbering as page 1 of Data Record*

It is respectfully requested that the foregoing positions be entered on Form No. 524.

\* U. S. Engineers recently searched for this station and did not find it. They do not consider it lost and expect to make another search.

Stations 11000-800, 1933 (U.S.E.) and 8000-800, 1933 (U.S.E.) have been destroyed.

There are 35 unmarked stations in the revised portion of this sheet for future use by the Hydrographic Party. These are described as they appear on the sheet.

### 44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

A comparison was made with oxalid No. T-8385, 1:20,000 scale. Discrepancies were found identical to that mentioned in paragraph No. 45 below.

### 45. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with U. S. C. & G. S. Chart No. 587, scale 1:40,000, bearing a print date of August 14, 1944.

Waste from U. S. Phosphoric Company plant is deposited on a refuse dump. It is distributed over the entire area of the dump and has spread over the normal mean highwater line. The mean highwater line in this area is indefinite.

About 700 meters southeast of Phosphoric plant, the shoreline is indefinite.

Islands at mouth of the Alafia River have changed in shape.

Respectfully submitted,

*Vincent F. Simmons*

Vincent F. Simmons,  
Sr. Photo. Aid.

Approved & Forwarded:

*Ray L. Schoppe*  
Ray L. Schoppe,  
Chief of Party.





DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

## LANDMARKS FOR CHARTS

Tampa Photogrammetric Office  
Tampa, Florida

**STRIKE OUT ONE**

**TO BE CHARTED**

October 28, 1944

I recommend that the following objects which have ~~(have been)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(the said chart)~~ the charts indicated.

The positions given have been checked after listing.

Ray L. Schoppe

Chief of Party.

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted landmarks and nonfloating aids to navigation, if redetermined, 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.

# GEOGRAPHIC NAMES

Survey No. T-5838

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K
Florida	✓								1
Atlantic Coast Line	✓								2
U.S. 541/Florida 23	✓								3
U.S. 41/ State No. 5	✓								4
Hillsboro Bay	✓			(use this spelling)					5
Archie Creek	✓			(all on 278823/824)					6
East Tampa	✓								7
Gibsonton	✓								8
Alafia River	✓								9
Negro Island	✓								10
Buzzard Island	✓								11
South Channel	✓								12
Gardenville	✓								13
Gardenville Beach	✓								14
Bullfrog Creek	✓								15
Remlap	✓								16
Hog and Hominy Cove	✓								17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27

RECEIVED AND APPROVED  
L. HECK on 2/11/46

## NAUTICAL CHARTS BRANCH

SURVEY NO. 5838

### 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.

Division of Photogrammetry  
Review of Planimetric Map T-5838

The original manuscript was received from Tampa in April 1942, but after a preliminary office examination was returned to Tampa for recompilation. The map was entirely recompiled and a new manuscript superseding the old one was received from Tampa in November 1944. This descriptive report and review apply to the new manuscript.

Field Inspection and Detailing.

All the detail on T-5838 north of latitude  $27^{\circ}52'$  was traced from the old compilation, with one exception. The northern section of the refuse dump, U. S. Phosphoric Co. was detailed from photographs 11684 and 11685 taken November 12, 1942. Field inspection in this vicinity was done by the compiler and all features have been brought up to the date of the revised compilation in this area. Detail south of latitude  $27^{\circ}52'$  was delineated from the newer photographs.

Road classifications were changed throughout the survey to conform with the standard symbols for planimetric maps.

The area south of the Alafia River from longitude  $82^{\circ}20'$  to  $82^{\circ}21'$  is covered by only one single-lens photograph. The accuracy of this area should be considered questionable.

Bridges.

Two bridges across the Alafia River show some discrepancy between the description given in the 1941 Bridge List and that given by the field inspection data.

	Fixed		Swing	
	Hwy. Brg.		Hwy. Brg.	
	Hor.	Vert.	Hor.	Vert.
U.S. Bridge List	60'	26'	40'	6'
F.I. Data	54'	21.5'	38'	5.5'

Mean High Water Line.

A small section of shoreline was left incomplete, just southwest of the U. S. Phosphoric Co., by the compiler. This shoreline could be seen quite readily under the stereoscope so it has been completed.

A larger section of shoreline at the refuse dump of the same plant was also left incomplete by the compiler. As the dump in this area is overflowing, an indefinite shoreline symbol has been shown by the reviewer. The refuse has entirely obliterated the original mean high water line and is spreading out into Hillsboro Bay.

Comparison with Previous Surveys.

T-5838 supersedes those sections of the following older surveys which it covers:

T-1411a	1:20,000	1875
T-4201	1:20,000 & 1:10,000	1926

Comparison with Nautical Charts.

T-5838 had not been applied to the charts at the date of this review. There are numerous changes in cultural and natural features for application to the charts.

Reviewed under the direction of R. M. Berry, April 1945.

Review report prepared by B. G. Jones from reviewer's notes, September 1947.

APPROVED BY:

*B. G. Jones 9/47*  
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Technical Assistant to the  
Chief, Div. of Photogrammetry

*R. M. Berry*  
\_\_\_\_\_  
Chief, Nautical Chart Br.  
Division of Charts

*E. B. Jones*  
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Acting Chief, Div. of Photogrammetry

*C. H. Green*  
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Chief, Division of Coastal  
Surveys