

5850

Diag'd. on diag. ch. No. 1256

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photo Compilation

Field No. Office No. T-5850

LOCALITY

State Florida

General locality Sarasota Bay

Locality Sarasota

Date of Photos Dec. 12 & 13, 1939

1944

CHIEF OF PARTY

Comdr. Ray L. Schoppe

LIBRARY & ARCHIVES

DATE

Dec 15 - 1947.

B-1870-1 (1)++

5850

DATA RECORD

T-5850

Quadrangle (II):

Project No. (II): HT 242 F

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

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

Instructions dated (II III): 4/3/40 Copy filed in Descriptive
War Mapping Instructions dated 10/16/42 Report No. T- (VI)

Completed survey received in office: ✓

5/3/44

Reported to Nautical Chart Section: ✓

8/21/44

Reviewed: 8/45

Applied to chart No.

Date:

Redrafting Completed: ✓

2/10/47

Registered: 10/47

Published: ✓

5/27/47

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): Bird Key (U.S.E.D.) 1935

Lat. 27°19'06.293" (193.7M) Long. 82°33'36.738" (1010.0M) Adjusted
~~Unadjusted~~

State Plane Coordinates (VI):

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
4142	12/12/39	9:49 A.M.	1:10,000	-0.3 ft.
4143	"	9:50 A.M.	"	-0.3 ft.
4162	12/13/39	10:09 A.M.	"	-0.3 ft.
4163	"	10:10 A.M.	"	-0.3 ft.
4164	"	10:11 A.M.	"	-0.3 ft.

Tide from (III): Sarasota Point

Mean Range: 1.3 ft.

Spring Range: 1.7 ft.

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

Field Inspection by: H.A. Duffy, Prin. Photo. Aid date: Dec., 1943
L.C. Bonham, Jr. Photo. Engr.

Field Edit by: date:

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

Projection and Grids ruled by (III) Wash. Office date: 1/5/44

" " " checked by: " " date: 1/8/44

Control plotted by: M.M. Slavney, Prin. Engr. Draftsman date: 1/14/44

Control checked by: W.H. Shearouse, Asst. Photo. Engr. date: 1/14/44

Radial Plot by: Tampa Office Personnel date: 1/29/44

Detailed by: John L. White, Prin. Photo. Aid date: 2/10/44 to 4/8/44

Reviewed in compilation office by: M.M. Slavney, date:
Prin. Engr. Draftsman

Elevations on Field Edit Sheet
checked by: date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 3

Shoreline (More than 200 meters to opposite shore): 20 Status Miles

Shoreline (Less than 200 meters to opposite shore): 8 " "

Number of Recoverable Topographic Stations established: 16

Number of Temporary Hydrographic Stations located by radial plot: 9

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:

COMPILATION REPORT
To Accompany
SHEET NO. T-5850

CONTROL

Seven triangulation stations are located within the detailed limits of this sheet. Two of these stations, "NEW PASS 3, 1944" and GULFVIEW, 1935", could not be definitely identified on the photographs by the field party. Field Inspection Points were established for the above two stations and plotted on the base grid sheet by latitude and departure furnished by the field party. These Points, as plotted, were found to be in good agreement with the general scheme of control and were used with good results in the Main Radial Plot. Due to the temporary nature of the "Field Inspection Points" they were plotted on the Survey Sheet as ordinary radial points.

In addition to the above control, two stations, "TERRACE, 1934" and "BAY ISLAND, 1935 (U.S.E.D.)", were used as control for cutting in additional radial points. Main Radial Plot points were used as secondary control by the draftsman when cutting in additional radial points. Adjustment between secondary control and chamber junctions were made where photograph distortion or chamber mismatches were indicated.

Intersections for additional radial points were very good and the points were denoted by a single blue circle, approximately 35 meters in diameter, on the survey sheet.

Photographic coverage was considered adequate for radial point control.

MAIN RADIAL PLOT

For a discussion of the main radial plot, of which this sheet is a part, reference is made to the compilation report for Sheet No. T-5849.⁵¹

DETAILING

Detailing was done according to current instructions for this project, dated April 3, 1940,

and paragraph 13 of instructions dated November 16, 1942 for War Mapping Project CS-290. In conformity with the above instructions the eastern portion of this sheet was not detailed.

Photographs used for detailing were clear and the scale was good. Field inspection was done according to instructions for War Mapping Work, dated November 16, 1942. However, field inspection was interpreted by the draftsman to conform with Coastal Survey classifications. With minor exceptions, the field inspection was adequate. Certain details of shore line changes and newly constructed houses do not appear on the older 1:10,000 scale photographs taken in 1939. These details were noted by the field party on the 1:20,000 nine lens photographs 11479 and 11493, taken in 1942, and projected by the draftsman to 1:10,000 scale for detailing.

SUPPLEMENTAL DATA

Nine lens photographs 11479 and 11493, 1:20,000 scale, taken November 9, 1942, were available for detailing this sheet. The use of these photographs was discussed under paragraph on Detailing.

LANDMARKS AND AIDS TO NAVIGATION

The Aids to Navigation have been listed on Form 567, which is made a part of this report.

HYDROGRAPHIC CONTROL

There are ten unmarked Hydrographic stations, located by radial plot, on this sheet which may be recovered for use by the Hydrographic Party. The name and a short description of each is noted on the survey sheet.

The following marked H. & T. stations may be recovered for use by the hydrographic party:

Station	Year	Established by
SOTA	1943	K. G. Crosby
OAT	"	"
COT	"	"
W-92	1942	G. C. Mast
X-92	"	"

Station	Year	Established by
Y-92	1942	G. C. Mast
Z-92	"	" " "
EDD 7	1935	U. S. E. D.
EDD 25	"	" " " "
EDD 26	"	" " " "
EDD 27	"	" " " "
EDD 28	"	" " " "
EDD 29	"	" " " "

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

There were no Topographic Quadrangle Maps available at this office for comparison.

GEOGRAPHIC NAMES

Geographic names for this compilation have been covered in a report submitted to the Washington Office by Jack W. Stingley, Jr. Topographic Engineer. This report is a part of Project CS-290, instructions for which were dated November 16, 1942/ 814 ✓

COMPARISON WITH NAUTICAL CHARTS

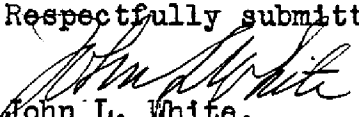
A comparison was made with U. S. C. & G.S. Nautical Chart No. 1256 "Lemon Bay to Passage Key Inlet." The above chart was of 1:80,000 scale and detail comparison was only general.

The shore line, as shown on Nautical Chart No. 1256, in approximate Latitude 27°19', Longitude 82°32'30" has apparently built up considerably as indicated by the 1939-42 photographs. Whereas Nautical Chart No. 1256 shows several very small islets offshore and a long, narrow peninsula jutting northwest into Sarasota Bay, the above photographs do not indicate any islets and the peninsula is considerably different in form.

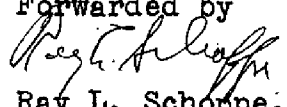
With the above exception, there were no outstanding differences of features between this sheet and the above chart.

It is recommended that this compilation
supersede the present charted information.

Respectfully submitted,


John L. White,
Prin. Photo. Aid.

Forwarded by


Ray L. Schoppe,
Chief of Party.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEYList of Non-Floating
Aids to Navigation

LANDMARKS FOR CHARTS

TO BE CHARTED } STRIKE OUT ONE
~~TO BE CHARTED~~

Tampa Photogrammetric Office April 8, 1944

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

The positions given have been checked after listing. Filed in Nat. Chts.

Ch.L. - 302-44

Comdr. Ray L. Schoppe
Chief of Party.

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
		LATITUDE		LONGITUDE		DATUM								
		O	I	D. M. METERS	O		I							D. P. METERS
	Sarasota Bay	27	19	1574	82	35	272	N.A. 1927	✓			1256		
	Main Channel Beacon 7	27	20	617	82	34	643	"	✓			"		
	Main Channel Range Front Lt. No. 11	27	20	277	82	34	1500	"	✓			"		
	Barge Channel Range Rear Lt. No. 9	27	20	425	82	34	1053	"	✓			"		
	Main Channel Range Front Lt.	27	20	1275	82	33	1457	"	✓			"		
	Barge Channel Beacon 13	27	20	855	82	33	1554	"	✓			"		
	Barge Channel Beacon 15	27	20	1029	82	33	971	"	✓			"		
	Barge Channel Beacon 17	27	20	1328	82	33	224	"	✓			"		
	Sarasota Bay Beacon 27	27	20	821	82	33	1058	"	✓			"		
	Beacon (No Number) Several	27	20	1296	82	33	52	"	✓			"		
	Broken Piling Bare 8' M.H.W.	27	20	1297	82	33	34	"	✓			"		
	Beacon (No Number) one	27	20	1073	82	33	121	"	✓			"		
	Broken Piling Bare 8' M.H.W.	27	20					"	✓			"		
	Beacon (No Number) Piling	27	20					"	✓			"		
	Bare 8' M. H. W.	27	20					"	✓			"		

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.

TO BE CHARTED

STRIKE OUT ONE

LANDMARKS FOR CHARTS

Tampa Photogrammetric Office April 8, 1944

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

J. L. C. S.

The positions given have been checked after listing.

Ch. Letter L

3034

Comdr. Ray L. Schobbe

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.

LANDMARKS FOR CHARTS

~~TO BE DELETED~~ STRIKE OUT ONE

Tampa Photogrammetric Office
Tampa, Florida

May 2, 1944

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

The positions given have been checked after listing. See Ch. Letter

302-44

Comdr. Ray L. Schoppé
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-5850

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</u>								USGB	1
✓ <u>Sarasota Bay</u>									2
✓ <u>Sarasota</u>									3
✓ <u>U.S. No. 41/ State No. 5</u>									4
✓ <u>State No. 18</u> LONG BEACH ROAD									5
✓ <u>Seaboard Air Line</u>									6
									7
✓ <u>Fishery Point</u> Sarasota Key and Bay Island									8
✓ <u>Big Sarasota Pass</u>									9
✓ <u>The Lido</u>									10
✓ <u>Otter Key</u>									11
✓ <u>Carol Isles</u>									12
✓ <u>St. Armand Key</u>									13
✓ <u>Coon Key</u>									14
✓ <u>Bird Key</u>									15
✓ <u>New Pass</u>									16
✓ <u>Longboat Key</u>								USGB	17
✓ <u>Quick Point</u>									18
✓ <u>Ringling Causeway</u>									19
✓ <u>Hudson Bayou</u>								"	20
✓ <u>Cedar Point</u>									21
✓ <u>Payne Terminal</u>									22
✓ <u>Hog Creek</u>									23
✓ <u>Whitaker Bayou</u>								"	24
✓ <u>Sarasota Heights</u>									25
									26
									27

These entries in the approved
L. Heck Oct 12/50/46

NAUTICAL CHARTS BRANCH

SURVEY NO. 75850

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-5850

Field Inspection and Detailing.

These were quite complete and practically no changes were necessary during the review. Most of the notes in red on the manuscript apply to elevations, contours, and road classifications which were added in the preparation of quadrangle T-8405, which was made subsequently to this planimetric map.

Comparison with Previous Topographic Surveys.

T-5850 supersedes T-1517a, 1:20,000, 1883, over the common area. There have been many natural and cultural changes since the previous survey. Shoreline changes are particularly noticeable at New Pass. Apparently, these changes have been caused in part by dredging and filling.

Comparison with Nautical Charts.

T-5850 shows many natural and cultural changes to be applied to chart 1256.

Light No. 22 shown originally on this manuscript at Lat. $27^{\circ}19.6''$, Long. $82^{\circ}33.1''$ is not shown on the printed copy as the light has been moved since its location on T-5850.

Reviewed under the direction of Ralph M. Berry,
August 1945.

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

APPROVED:

B. G. Jones 10/47
Technical Assistant to the
Chief, Div. of Photogrammetry

K. T. Adams
Chief, Div. of Photogrammetry

R. H. Rittenburg
Chief, Nautical Chart Br.
Division of Charts

C. H. Green
Chief, Division of Coastal
Surveys