

5851

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-5851

LOCALITY

State Florida

General locality Florida West Coast

Locality ~~Little Sarasota Bay~~
SARASOTA KEY and vicinity

Date photos Dec. 12, 1939

1944

CHIEF OF PARTY

Comdr. Ray L. Schoppe

LIBRARY & ARCHIVES

DATE Oct 15 - 1947

B-1870-1 (1)++

5851

DATA RECORD

T- 5851

Quadrangle (II):

Project No. (II): HT 242-F

Field Office: Tampa, Fla.

Chief of Party: Ray L. Schoppe

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

Instructions dated (II III): 4/3/40

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

Completed survey received in office:

5/3/44

Reported to Nautical Chart Section:

8/21/44

Reviewed:

9/45

Applied to chart No.

Date:

Redrafting Completed:

1/28/47

Registered: 9/47

Published:

4/14/47

Compilation Scale: 1:10,000

Published Scale: 1:10 000

Scale Factor (III): 1.00

Geographic Datum (III): NA 1927

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

Reference Station (III): ~~MANGROVE (U.S.E.) 1935~~

Rocks 2

1735 (d.m)

Lat.: ~~27° 16' 41.53" (1278.1 m)~~ Long.: ~~82° 32' 50.076" (1377.2 m)~~

27° 14' 30.69" (944.8 m)

82° 31' 59.45" (1635.6 m)

Unadjusted
AdjustedState Plane Coordinates (VI): Florida West Zone
for Rocks 2, 1935

X =

3 26,754.23 feet

Y =

1,057,414.44 feet

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
4114	12/12/39	9:51	1:10,000	-0.2 ft.
4115	"	9:52	"	-0.2 ft.
4116	"	9:53	"	-0.2 ft.
4117	"	9:54	"	-0.2 ft.
4119 ^{sq}	"	10:06	"	-0.2 ft.
4160	"	10:07	"	-0.2 ft.
4161	"	10:08	"	-0.2 ft.

Tide from (III): Sarasota Point (Ref. Sta: Tampa Bay)

Mean Range: 1.3

Spring Range: 1.7

Camera: (Kind or source) U. S. C. & G. S. (9 lens)

Field Inspection by: L.C. Bonham, Jr. Photo. Engr. date: Jan. 14 to Jan. 17, '44

Field Edit by:

date:

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

Projection and Grids ruled by (III) Wash. Office date: 1/6/44

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

Control plotted by: M.M. Slavney, Prin. Engr. Drifts date: 2/6/44

Control checked by: J. Collins, Sr. Photo. Aid date: 2/6/44

Radial Plot by: Tampa Office Personnel date: 2/7/44

Detailed by: J. Collins, Sr. Photo. Aid date: 3/10/44

Reviewed in compilation office by: J. Giles, date: 4/19/44
Asst. Photo. Engr.

Elevations on Field Edit Sheet
checked by:

date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 5.08

Shoreline (More than 200 meters to opposite shore): 17.1

Shoreline (Less than 200 meters to opposite shore): 4.2

Number of Recoverable Topographic Stations established: 20

Number of Temporary Hydrographic Stations located by radial plot: 17

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-5851

26. CONTROL

There are fourteen triangulation stations within the tracing limits of this sheet. All were held in the main radial plot, and while establishing additional radial points--with the exceptions of Point 2, 1935 (U.S.E.) and F.I.P. 1, Keith, 1935. These points were difficult to identify accurately on the photographs and have been discussed in the report on the main radial plot in the paragraph below.

These control stations are listed in a special report of field inspection for Project H. T. 242-F, submitted to the Washington Office by Harold A. Duffy, Principal Photogrammetric Aid, March 1, 1944.

27. MAIN RADIAL PLOT

This plot consisted of 5 sheets, T-5847 to T-5851 inclusive.

(a) Control

Density	Control Stations Within Limits of Plot
Sheet No. T-5847	5
Sheet No. T-5848	2
Sheet No. T-5859	1
Sheet No. T-5850	10
Sheet No. T-5851	16

Identification of control

Triangulation stations Point 2, 1935 (U.S.E.) F.I.P. and F.I.P. 1, Keith, 1935 were not held, due possibly to improper identification.

(b) Photographs

The following photographs were used: 4119 to 4129, 4136 to 4148, and 4159 to 4167 inclusive.

The photographs used in this plot were un-mounted acetate impregnated, therefore it was necessary to use the master metal templet for elimination of the effect of paper distortion.

(c) Closures and Adjustments

The regular procedure was followed in laying the templets, with the strongest fix first, then progressively laying through ones with weaker fixes.

Azimuths to adjacent centers held on all templets and excellent radial intersections were obtained.

After the plot was completed, each photograph was placed under the survey sheet and secondary control checked.

(d) Areas of Questionable Accuracy

Due to inadequacy of control within sheet T-5849 it is possible that this sheet (T-5849) may not fall within limits of prescribed accuracy. It is believed that all other sheets in this plot fall within the limits of prescribed accuracy.

28. DETAILING

The photographs used in detailing this sheet were generally clear and the scale was fair.

Field inspection was done according to War Mapping instructions for Project C. S. 290 and the detailing in accordance with paragraph 13 of the same instructions. The shoreline has been detailed completely, and the inshore area to and including U. S. Highway No. 41. The detailing east of the highway will be done on a scale of 1:20,000.

The detailing was done in black, symbolizing most of the areas with standard symbols, then delineating the limits of vegetation areas with green dashed lines adding the appropriate letters A B C, etc.

Elevations have been shown on this drawing, being taken from the 1:20,000 field prints.

War Mapping classifications of roads have been shown with red acid ink. All other roads have been smooth drafted or their center lines shown and classifications (for planimetric map) given in black.

29. SUPPLEMENTAL DATA

The 1:20,000 photographs covering this area were used to supplement the 1:10,000 scale photographs. No other data was available.

34. LANDMARKS AND AIDS TO NAVIGATION

The Aids to Navigation that appear on this sheet are listed on Form 567 which is a part of this report. *See chart letter 212-1945.*

35. HYDROGRAPHIC CONTROL

There are 10 marked stations within the limits of this sheet which can be used as hydrographic control. These were located by radial plot.

EDD 1	(U.S.E.)	1935
EDD 3	(U.S.E.)	1935
AID		1944
BET		1944
EDD 32	(U.S.E.)	1935
EDD 31	(U.S.E.)	1935
EDD 10	(U.S.E.)	1935
EDD 12	(U.S.E.)	1935
B.M. 1		1883
B.M. A		1937

There are 17 unmarked stations appearing on this sheet for future use by the hydrographic party. A short description appears by each of these on the compilation.

18. GEOGRAPHIC NAMES

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

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

There are no topographic quadrangles available in this office for comparison.

45. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Nautical Chart No. 1256. This chart is on a scale of 1:80,000, therefore, an accurate comparison could not be made due to scale difference. But it was ascertained that the shoreline was in general agreement.

Respectfully submitted,

Jim Collins

Jim Collins,
Sr. Photo. Aid.

Forwarded by,

Ray L. Schoppe

Ray L. Schoppe,
Chief of Party.

GEOGRAPHIC NAMES.

Survey No. T-5851

GEOGRAPHIC NAMES											
Survey No. T-5851											
Name on Survey											
	A	B	C	D	E	F	G	H	K		
Florida									USGB	1	
✓ Fla. No. 220		(E-W road at Hayden)								2	
✓ U.S. 41/Fla. 5										3	
✓ Gulf of Mexico										4	
✓ Big Sarasota Pass										5	
✓ Siesta		(vg on Bay Island)								6	
✓ Bay Island										7	
✓ Siesta Bridge										8	
✓ Hansen Bayou										9	
✓ Roberts Bay										10	
✓ Hayden										11	
✓ Sarasota Key									USGB	12	
✓ Sarasota Point										13	
✓ Sarasota Beach										14	
✓ Point O'Rocks										15	
✓ Phillippe Creek									USGB	16	
✓ Stickney Point Bridge										17	
✓ Mangrove Cut										18	
✓ Little Sarasota Bay		(includes water to Mangrove Cut)								19	
✓ White Beach										20	
✓ Cerd Isles										21	
										22	
										23	
										24	
										25	
										26	
										27	

Map as underlined in red approved

by L. Heck on 12/30/46

M 234

As per underlined in red approved
by L. Heck 05/23/46

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEYTO BE CHARTED
~~TO BE CHARTED~~

STRIKE OUT ONE

LANDMARKS FOR CHARTS NON-FLOATING AIDS TO NAVIGATION
Tampa Photogrammetric Office
Tampa, Florida

April 20, 1944

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

The positions given have been checked after listing.

OK ¹⁹⁴⁵
12/1

Comdr. Ray L. Schoppe

Chief of Party.

GENERAL LOCALITY	NAME AND DESCRIPTION 1944 change to:	POSITION						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
		LATITUDE		LONGITUDE									
		O	I	D. M. METERS	O	I	D. P. METERS						
Sarasota Bay	Big Sarasota Pass Lt. 1 5	27	16	1707	82	34	329	N.A. 1927	Plane Table Sextant	1944	V		1256
	Big Sarasota Pass Bn. 3	27	17	126	82	34	41	"	"	"	V		"
	Big Sarasota Pass Bn. 4	27	16	1529	82	34	320	"	"	"	V		"
	Big Sarasota Pass Bn. 5	27	17	433	82	33	1497	"	"	"	V		"
	Big Sarasota Pass Bn. 6	27	17	1301	82	33	1134	"	"	"	V		"
	Big Sarasota Pass Bn. 7	27	17	717	82	33	1398	"	"	"	V		"
	Big Sarasota Pass Bn. 8	27	18	325	82	33	976	"	Plane Table Sextant	"	V		"
	Little Sarasota Bay Bn. 69	27	14	968	82	31	380	"	"	"	V		"
	Little Sarasota Bay Bn. 70	27	14	971	82	31	353	"	"	"	V		"
	Little Sarasota Bay Bn. 72	27	14	1516	82	31	828	"	"	"	V		"
Little Sarasota Bay Bn. 73	27	14	1610	82	31	1020	"	"	"	V		"	
Little Sarasota Bay Bn. 74	27	15	166	82	31	1282	"	"	"	V		"	
Little Sarasota Bay Bn. 75	27	15	221	82	31	1355	"	"	"	V		"	

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.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEYLANDMARKS FOR CHARTS NON-FLOATING AIDS TO NAVIGATION
Tampa Photogrammetric Office
Tampa, Florida
April 20, 1944TO BE CHARTED } STRIKE OUT ONE
~~航標在該處非浮標~~

I recommend that the following objects which have ~~(#444444)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(chart #444444)~~ the charts indicated.

The positions given have been checked after listing.

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	O	I								
							D. M. METERS						
Little Sarasota Bay		27	15	82	31	1629	N.A. 1927	Sextant Fix	1944	✓		1256	
	Little Sarasota Bay Bn. 77	27	15	82	32	40	"	"	"	✓		"	
	Little Sarasota Bay Bn. 78	27	15	82	32	333	"	"	"	✓		"	
	Little Sarasota Bay Bn. 80	27	15	82	32	564	"	"	"	✓		"	
	Little Sarasota Bay Bn. 82	27	15	82	32	668	"	"	"	✓		"	
	Little Sarasota Bay Bn. 84	27	15	82	32	920	"	"	"	✓		"	
	Little Sarasota Bay Bn. 86	27	16	82	32	1112	"	"	"	✓		"	
	Little Sarasota Bay Bn. 87	27	16	82	32	1115	"	"	"	✓		"	
	Little Sarasota Bay Bn. 88	27	16	82	32	1166	"	"	"	✓		"	
	Little Sarasota Bay Bn. 89	27	16	82	32	1241	"	"	"	✓		"	
	Little Sarasota Bay Bn. 90	27	17	82	32	1360	"	"	"	✓		"	
	Little Sarasota Bay Bn. 91	27	17	82	32	1377	"	"	"	✓		"	
	Little Sarasota Bay Bn. 92	27	17	82	32					✓		"	
Bns. 87-92 inclusive, are in the northern part of Little Sarasota Bay, which is known locally as Roberts Bay													

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.

SURVEY NO. T-5851

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-5851

Field Inspection and Detailing.

These were generally adequate and only a few very minor changes were made in the manuscript during review.

Comparison with Previous Surveys.

T-5851 supersedes T-1517b, 1:20,000, 1883, over the common area.

Comparison with Nautical Chart 1256.

A comparison of T-5851 with chart 1256 shows many changes in shoreline and cultural details.

Some of the beacons in Sarasota Bay as shown on T-5851 have been ^{removed} since the field inspection in 1941. The numbers have been corrected on the manuscript and on the landmark list attached to this descriptive report.

Reviewed by Lena T. Stevens under the direction of R. M. Berry, September 1945.

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

APPROVED BY:

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

A. H. [Signature]
Chief, Nautical Chart Br.
Div. of Charts

E. J. Jones 13 Oct 47
Acting Chief, Div. of Photogrammetry

E. H. Green
Chief, Div. of Coastal
Surveys