

5852

241 F

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-5852**

LOCALITY

State **Florida**

General locality **Florida West Coast**

Locality **Osprey**

DATE OF PHOTOS - **12-12-39**

~~1939~~
1944

CHIEF OF PARTY

Comdr. Ray L. Schoppe

LIBRARY & ARCHIVES

DATE **Jan 24 - 1947**

B-1870-1 (11)++

5852

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Division of Photogrammetry

Review of Shoreline Survey T-5852

Radial Plot.-

Sheet T-5852 was one of five sheets covered by the main radial plot.

The control identification appeared to be excellent on this sheet with the exception of one station, where the trouble can be ascribed to mis-identification on the field prints and subsequently on the office prints. No attempt was made to hold to this station.

It is believed that all parts of this plot fall within the limits of prescribed accuracy.

Field Inspection and Detailing.-

Field inspection of the shoreline and the area west of U. S. Highway No. 41 was adequate for detailing. East of Highway No. 41 there were no field notes and this detail was transferred from quadrangle T-8407 by use of the projector. (Note: T-8407 is a war mapping topographic quadrangle produced by the Coast Survey for the War Department at manuscript scale 1:20,000. This quadrangle mapping was accomplished by the Tampa Office at the same time as the shoreline survey in this area.)

A transmission line, east of the town of Osprey, omitted during the transfer of detail, was added during the review.

Mean High Water Line.-

The mean high water line as shown on the field inspection photographs was used by the compiler. This line was established by chained distances taken by the field inspector.

The mean high water line in the vicinity of Midnight Pass is in a ~~steady~~ state of change; as the Pass broadens, the western shoreline of Sarasota Key is built up and the lagoons diminish in size. K7A

Bridges.-

The following discrepancies have been noted between the description of bridges furnished by the field inspector and that listed in the Bridge List:

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At Little Sarasota Bay (Osprey)	Hor.	Vert. (M.L.W.)
Field Inspection	54'	9'
Bridge List	55'	11'
At North Creek (Osprey)		
Field Inspection	Bridge Out	
Bridge List	25'	8'
At South Creek (Osprey)		
Field Inspection	Skiff clearance only	
Bridge List	25'	8'

Comparison with Contemporary Hydrographic Surveys.-

None.

Comparison with Previous Topographic Surveys.-

T-1517b	1:20,000	1883
T-1647	1:20,000	1883

A considerable change is noted in the shoreline when comparing these sheets with T-5852. At approximate latitude $27^{\circ}12'30''$ N. and longitude $82^{\circ}30'45''$ W. on sheet T-5852, Midnight Pass connects the Gulf of Mexico with Little Sarasota Bay in an east-west direction. The strip of land to the north of the Pass is known as Sarasota Key and that to the south, Casey Key. On the previous surveys these two keys were parallel strips of land separated by a pass connecting the Gulf and Bay in a north-south direction.

Casey Key is now a solid strip of land while Sarasota Key is steadily becoming one; though at present it still has two long, narrow lagoons, one at each end.

T-8406	1:20,000	1944	(War Mapping)
T-8407	1:20,000	1944	(War Mapping)

Both of these sheets are in very good agreement with T-5852. (See paragraph under Detailing.)

Comparison with Nautical Charts.-

1256	1:80,000	Mar. 1943
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At approximate latitude $27^{\circ}13'20''$ and longitude $82^{\circ}31'10''$ on sheet T-5852, the lagoon on Sarasota Key has

(111)

Page 3
Review - T-5852

filled in for a distance of 720 meters. The southern tip of this key is changing shape very rapidly.

This survey has not been applied to Chart No. 1256 at the date of this review, 5/45.

H. R. Brooks.

Reviewed by H. R. Brooks - 5/22/45

Reviewed under the direction of R. M. Berry

APPROVED BY:

B. G. Jones 11/46
B. G. Jones, Technical Asst.
Div. of Photogrammetry

H. E. Edmonson
Chief, Nautical Chart Branch
Div. of Photogrammetry

K. T. Adams
Chief, Div. of Photogrammetry

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

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COMPILATION REPORT
To Accompany
SHEET NO. T-5852

26. CONTROL

There are 14 triangulation stations within the tracing limits of this sheet. These stations were held to in the main radial plot and in establishing additional points, except McAdow 1935, (U.S.E.D.). This station could not be identified clearly on the photographs.

27. MAIN RADIAL PLOT

A discussion of the main radial plot will be incorporated in the compilation report to accompany map drawing T-5853.

28. DETAILING

Generally the photographs were clear and of good scale. The field inspection notes covering the shoreline and the area west of U. S. Highway # 41 were adequate; however, there were no field notes east of the highway. Additional detail was added to the map drawing from quadrangle T-8407, since that quadrangle had been detailed from more recent photographs. A photostatic print and the projector, were used in transferring the detail.

29. SUPPLEMENTAL DATA

Quadrangle T-8407, scale 1:20,000, by U. S. Coast & Geodetic Survey, was the only supplemental data used.

30. M. H. W. LINE

The high water line shown on the field photographs was used by the draftsman. This line was established by chained distances taken by the field inspector.

34. LANDMARKS AND AIDS TO NAVIGATION

The aids to navigation that appear on this sheet are listed on Form 567 which is made a part of this report.

35. HYDROGRAPHIC CONTROL

There are 2 marked stations within the limits of this sheet which can be used for hydrographic control. These stations were located by radial plot and are listed as follows: PAP, 1944; EDD 4, 1935 (U.S.E.D.).

(4)

(5)

There are 12 unmarked stations for future use by the hydrographic party. A brief description of each station appears on the map drawing.

37. GEOGRAPHIC NAMES

Geographic names for this compilation have been covered in a report submitted to the Washington Office by Jack W. Stingley, Jr. Topo. Engineer.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

Sheet T-5852 was compared with quadrangle T-8407, scale 1:20,000, and was found to be in good agreement except for details that had been added or changed since the date of the photographs from which Sheet T-5852 was compiled.

45. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with U. S. C. & G. S. nautical chart No. 1256, scale 1:80,000. Due to the scale difference, an accurate comparison could not be made. Discrepancies noted were shoreline changes at Midnight Pass; and the lagoon at latitude $27^{\circ}13'20''$ longitude $82^{\circ}31'10''$. The lagoon has filled in for a distance of 720 meters.

Respectfully submitted,

Morris Rutkin
Morris Rutkin,
Engr. Draftsman.

Forwarded by:

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

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DATA RECORD

T- 5852

Quadrangle (II): T-5852

Project No. (II): 242 F

Field Office: Tampa, Fla.

Chief of Party: Ray L. Scheppe

Compilation Office: Tampa, Fla.

Chief of Party: Ray L. Scheppe

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

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

Completed survey received in office:

7/21/44

Reported to Nautical Chart Section:

8/21/44

Reviewed:

5/24/45

Applied to chart No.

Date:

Redrafting Completed:

12/3/45

Registered: 12/46

~~Published:~~ Not to be published

Compilation Scale: 1:10,000

~~Published~~
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): OSPREY (U.S.E.D.) 1935

Lat.: 27°11'32.599"
(1003.36 M)Long.: 82°29'36.651"
(642.60 M)Adjusted
~~Unadjusted~~

State Plane Coordinates (VI):

X =

Y =

Military Grid Zone (VI)

(11)

75852

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
4148	12/12/39	9:55	1:10,000	-0.2 ft.
4149	"	9:56	"	-0.2 ft.
4150	"	9:57	"	-0.2 ft.
4158	"	10:05	"	-0.2 ft.
4157	"	10:04	"	-0.2 ft.

Tide from (III): Sarasota Point

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: 1/14-17/1944

Field Edit by:

date:

Date of Mean High Water Line Location (III):

January 1944

Projection and Grids ruled by (III) Wash. Office

date: 1/6/44

" " " checked by: brc-pjh
BRC-HFN

date: 1/8/44

Control plotted by: E. O. Bryant

date: 3/28/44

Control checked by: J.L. White & Rudolph Dossett

date: 3/31/44

Radial Plot by: Tampa Office Personnel

date: 5/22/44

Detailed by: Morris Rutkin

date: June, 1944

Reviewed in compilation office by: J.A. Giles

date: June, 1944

Elevations on Field Edit Sheet
checked by:

date:

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T. 5852

STATISTICS (III)

Land Area (Sq. Statute Miles): 10.5

Shoreline (More than 200 meters to opposite shore): 24

Shoreline (Less than 200 meters to opposite shore): 3.5

Number of Recoverable Topographic Stations established: 3

Number of Temporary Hydrographic Stations located by radial plot: 12

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:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NON-FLOATING AIDS TO
NAVIGATION
tric Office

LANDMARKS FOR CHARTS
Tampa Photogram
Tampa, Florida

STRIKE OUT ONE

TO BE CHARTED

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

The positions given have been checked after

Comdr. Ray L. Schoppa *Chief of Party.*

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							
		°	'	°	'		D. P. METERS						
Little Sarasota Bay	Little Sarasota Bay Bn.	27	11	82	29	1250	N.A.	1927	Sextant	Feb. 1944	✓		1256
"	"	27	11	82	29	1173	"	"	"	"	✓		"
"	"	27	10	82	29	1170	"	"	"	"	✓		"
Scaled by: M. Rutkin													
Checked by: R. Dossett													

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 SURVEYNON-FLOATING AIDS TO
NAVIGATION

LANDMARKS FOR CHARTS

Tampa Photogrammetric Office
Tampa, Florida

STRIKE OUT ONE

TO BE CHARTED

June 30, 1944

75852

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

The positions given have been checked after listing.

See Ch. Letter

512-44

Comdr. Ray L. Schoppa

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							
		°	'	°	'								
							D. M. METERS						
Little Sarasota Bay	Little Sarasota Bay Bn. 65 ✓	27	13	82	30	1713	1518	N.A. 1927	Sextant	Feb. 1944	✓		1256
"	" " " 64 ✓	27	13	82	30	990	998	"	"	"	✓		"
"	" " " 62 ✓	27	13	82	30	653	797	"	"	"	✓		"
"	" " " 61 ✓	27	13	82	30	225	622	"	"	"	✓		"
"	" " " 59 ✓	27	12	82	30	1645	382	"	"	"	✓		"
"	" " " 57 ✓	27	12	82	30	1499	312	"	"	"	✓		"
"	" " " 55 ✓	27	12	82	30	1032	249	"	"	"	✓		"
"	" " " 53 ✓	27	12	82	30	604	170	"	"	"	✓		"
"	" " " 54 ✓	27	12	82	30	558	148	"	"	"	✓		"
"	" " " 51 ✓	27	12	82	30	175	122	"	"	"	✓		"
"	" " " 50 ✓	27	12	82	30	143	96	"	"	"	✓		"
"	" " " 49 ✓	27	11	82	29	1297	1583	"	"	"	✓		"
"	" " " 48 ✓	27	11	82	29	237	1213	"	"	"	✓		"

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 Photogram
Tampa, Florida

NON-FLOATING AIDS TO NAVIGATION

June 30, 1944

TO BE CHARTED

I recommend that the following objects which have ~~(leave out)~~ 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.

See Ch. Letter

512-44

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

Chief of Party.

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION						DATE OF LOCATION	METHOD OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
		LATITUDE		LONGITUDE		DATUM								
		°	'	°	'		D. P. METERS							
Dryman Bay	Dryman Bay Bn. 43	✓	27	10	1249	82	29	1052	N.A. 1927	Sextant	Feb. 1944	✓		1256
"	" " 40	✓	27	10	930	82	29	895	"	"	"	✓		"
"	" " 41	✓	27	10	853	82	29	843	"	"	"	✓		"
"	" " 38	✓	27	10	443	82	29	542	"	"	"	✓		"
"	" " 37	✓	27	10	176	82	29	411	"	"	"	✓		"
"	" " 36	✓	27	10	118	82	29	347	"	"	"	✓		"
"	" " 35	✓	27	10	55	82	29	352	"	"	"	✓		"
Scaled by: M. Rutkin														
Checked by: V. F. Simmons														

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-5852

Name on Survey

	A	B	C	D	E	F	G	H	K	
✓ <u>Florida</u>								USGB		1
✓ <u>Gulf of Mexico</u>										2
✓ <u>Little Sarasota Bay</u>										3
✓ <u>Sarasota Key</u>								USGB		4
✓ <u>Bird Keys</u>										5
✓ <u>Vamo</u>										6
✓ <u>Catfish Creek</u>										7
✓ <u>North Creek</u>										8
✓ <u>Midnight Pass</u>				Use this name, the same one on the quadrangle of the area; casing pending with USGB						9
✓ <u>Casey Key</u>										10
✓ <u>Dryman Bay</u>										11
✓ <u>Blackburn Point Bridge</u>										12
✓ <u>South Creek</u>										13
✓ <u>Osprey</u>										14
✓ <u>Seaboard Air Line</u>										15
<u>U.S. 41</u>										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

NAME underlined in red approved
by L. Heck on 2/21/46

(91)

NAUTICAL CHARTS BRANCH

SURVEY NO. T-5852

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.