

5847

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-5847

LOCALITY

State Florida

General locality Sarasota Bay

Locality Cortez

Date of Photos: Dec. 12, 1939 and Nov. 1942.

1944

CHIEF OF PARTY

Comdr. Ray L. Schoppe

LIBRARY & ARCHIVES

DATE

Dec 17 - 1947

B-1870-1 (1)++

5847

DATA RECORD

T-5847

Quadrangle (II):

Project No. (II): H.T.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: ✓ 4/28/44

Reported to Nautical Chart Section: ✓ 8/21/44

Reviewed: 8/45

Applied to chart No.

Date:

Redrafting Completed: ✓ 12/17/46

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): Cortez, 1908

Lat.: 27° 27' ~~45.98 (1415.4 m)~~ Long.: 82° 41' ~~02.118 (59.0 m)~~ Adjusted
 45.970 (1415.0 m) 02.139 (58.7 m)

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>
4119	12/12/39	9:18	1:10,000	-0.4 ft.
4120	12/12/39	9:19	"	-0.4 ft.
4121	"	9:20	"	-0.4 ft.
4122	"	9:21	"	-0.4 ft.
4123	"	9:22	"	-0.4 ft.
4130	"	9:33	"	-0.4 ft.
4131	"	9:34	"	-0.4 ft.
4136	"	9:43	"	-0.3 ft.
4137	"	9:44	"	-0.3 ft.
4138	"	9:45	"	-0.3 ft.

Tide from (III): Anna Maria

Mean Range: 1.4'

Spring Range: 1.9'

Camera: (Kind or source) U.S.C.&G.S., 9 lens (8 $\frac{1}{2}$ focal length)

Field Inspection by: Harold A. Duffy,
Prin. Photo Aid.

date: 1/9/44

Field Edit by:

date:

Date of Mean High-Water Line Location (III): Nov., Dec., 1943

Projection and Grids ruled by (III) E.R.C.&P.J.H. date: 1/4/44

" " " checked by: B.R.C.&H.F.N. 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: 2/7/44

Detailed by: Rudolph Dossett, Prin. Photo. Aid.

date: Feb. 1944

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

date: March 1944

Elevations on Field Edit Sheet
checked by:

date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 5

Shoreline (More than 200 meters to opposite shore): 32.8

Shoreline (Less than 200 meters to opposite shore): 1.0

Number of Recoverable Topographic Stations established: 15

Number of Temporary Hydrographic Stations located by radial plot: 10

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-5847

CONTROL

Six triangulation stations appear within the tracing limits of this sheet. Five were held in the radial plot and by the draftsman to establish additional radial points. The sixth station, Anna Maria Southeast Base 2, 1908 was not recovered for this plot and could not be picked on the photographs using the description only.

MAIN RADIAL PLOT

Discussion of the Main Radial Plot which includes this sheet has been made a part of the descriptive report for Sheet No. T-5851.

DETAILING

The detailing of this sheet has been done according to the current instructions for this project.

Field inspection was plentiful, however, the field inspector found it necessary to use the 1:20,000 photographs flown in 1942 for some detail not found on the 1:10,000 flown in 1939.

Some detail, notably buildings and changes in shoreline, was taken from the 1:20,000 pictures by using the projector.

The photographs were clear, and with the exception of 4138, of reasonably good scale. Photo 4138 showed considerable tilt.

SUPPLEMENTAL DATA

No supplemental data was available except as mentioned above under Detailing where the 1:20,000 photos were used.

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 for which were dated November 16, 1942. 814

LANDMARKS & AIDS TO NAVIGATION

The aids to Navigation have been listed on Form 567 and made a part of this report.

cht let. 302, '44

HYDROGRAPHIC CONTROL

Ten unmarked Hydrographic Stations, bearing a short description, appear within the tracing limits of this sheet.

The following marked hydrographic stations also appear.

Station	Year	Established by
GULF	1942	K. G. Crosby
GEM	1943	"
DIM	"	"
RAIN	"	"
JULE	"	"
BIT	"	"
QUA	"	"

JUNCTIONS

The junction of this sheet with that of T-5843, compiled in 1942, was not in perfect agreement. This was due to a difference in the radial points at the point of junction. T-5843 was recalled from the Washington Office and these differences were adjusted. The error was on the eastern shoreline and occurred only near the junction of the two sheets. Common points approximately 500 meters North of the junction, were in agreement. The error appeared to be on Sheet T-5843 and it was accordingly corrected to agree with this compilation.

COMPARISON WITH TOPOGRAPHIC QUADRANGLES

No topographic quadrangle was available for a comparison.

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 following discrepancies are noted:


Tidy Island is shown on the above mentioned chart as a separate and distinct island, whereas this compilation shows it to be a peninsula joined to main shoreline by mangrove.

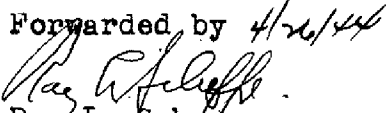
Jawfish Key (not named on the chart) is shown as two islands that are now one.

The southern end of Anna Maria Key has undergone considerable change due to the western shoreline being washed away.

A series of islands extending southward from Sister Keys (Otter Island on chart) do not appear on the chart.

Respectfully submitted,


Rudolph Dossett,
Prin. Photo. Aid

Forwarded by *4/26/44*

Ray L. Schoppe,
Chief of Party.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEYNon Floating Aids
To Navigation

TO BE CHARTED

STRIKE OUT ONE

LANDMARKS FOR CHARTS

Tampa Photogrammetric Office
Tampa, Fla.

March 25, 1944

I recommend that the following objects which have ~~(#44444444)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(#44444444)~~ the charts indicated. See Ch. Letter

The positions given have been checked after listing. 002-44

in Naut. Chts. files

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							
		°	'	D. M. METERS	°	'		D. P. METERS						
	Sarasota Bay	27 28		1506	82	41	1522	N.A. 1927	Radial Plot	1944	✓		1256	
	Cobbs Wharf Beacon 8	27 27		1771	82	41	687	"	"	"	✓		"	
	Sarasota Bay Light 11 ✓	27 27		1494	82	41	603	"	Sextant Fix	"	✓		"	
	" Beacon 13	27 27		704	82	41	45	"	Radial Plot	"	✓		"	
	Longboat Inlet Light 15 ✓	27 27		152	82	40	1467	"	Sextant Fix	"	✓		"	
	" Beacon 15-A	27 27		114	82	40	1514	"	"	"	✓		"	
	" " 16	27 26		1403	82	40	1270	"	"	"	✓		"	
	Longboat Light 16-A ✓	27 26		844	82	40	963	"	"	"	✓		"	
	Longboat Inlet Beacon 17	27 26		829	82	40	1017	"	"	"	✓		"	
	" " 16-B	27 26		134	82	40	668	"	Radial Plot	"	✓		"	
	West Channel Light 19 ✓	27 25		1647	82	40	366	"	Sextant Fix	"	✓		"	
	Sarasota Bay Beacon 20	27 25		1118	82	39	1378	"	"	"	✓		"	
	" " 20-A	27 25		656	82	39	759	"	Radial Plot	"	✓		"	
	West Channel Light 21 ✓	27 25									✓		"	

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.

Tampa Photogrammetric Office

Tampa, Fla.

March 25, 1944

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

The positions given have been checked after listing.

See Ch. 2. - 302-44

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-5847

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	
<u>Florida</u>										1
<u>Sarasota Bay</u>										2
<u>Fla. No. 18, No. 18A</u>			(No. 18 is Longbeach Road on Longboat Key; (No. 18A on Anna Maria Key and Cortez Road)							3
										4
<u>Long Bar Point</u>										5
<u>Coon Key</u>										6
<u>Tidy Island</u>										7
<u>Cow Point</u>										8
<u>Cortez</u>										9
<u>Cortez Road</u>			(No. 18A)							10
<u>Cortez Bridge</u>										11
<u>Palma Sola Bay</u>										12
<u>Prices Key</u>										13
<u>Sarasota Pass</u>										14
<u>Anna Maria Key</u>								USGB		15
<u>Bradenton Beach</u>								"		16
<u>Leffis Key</u>										17
<u>Longboat Inlet</u>										18
<u>Longboat Key</u>								USGB		19
<u>Longbeach</u>										20
<u>Longbeach Road</u>			(No. 18)							21
<u>Whitney Beach</u>										22
<u>Jewfish Key</u>										23
<u>Sister Keys</u>										24
<u>Gulf of Mexico</u>										25
										26
										27

Names underlined in red approved
by L. Heck on 10/17/46

NAUTICAL CHARTS BRANCH

SURVEY NO. T 5847

Record of Application to Charts

[illegible]

M.216B-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-5847

Field Inspection and Detailing.

These were generally adequate and only a few very minor changes have been made during the review. These are shown on the manuscript in red.

Comparison with Previous Surveys.

T-5847 supersedes T-1346a, 1:20,000, 1874, and T-1517a, 1:20,000, 1883, over the common area. Changes in natural and cultural features have been so radical since the date of the old surveys that only a general comparison was possible.

Comparison with Nautical Charts.

T-5847 has not been applied to chart 1256 at the date of this review. The manuscript shows many changes in cultural and natural features to be applied to the chart.

Reviewed under Ralph M. Berry, August 1945.

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

Approved by:

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

K. T. Adams
Chief, Div. of Photogrammetry

J. E. Sutherland
Chief, Nautical Chart Br.
Division of Charts

C. K. Green
Chief, Division of Coastal
Surveys