

5853

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-5853

LOCALITY

State Florida

General locality Florida West Coast

Locality Venice Inlet CASEY KEY and Vicinity

Aerial photo: Dec 12-13, 1939

1944

CHIEF OF PARTY

Comdr. Ray L. Schoppe

LIBRARY & ARCHIVES

DATE

Dec - 18 - 1947

B-1870-1 (1)++

5853

DATA RECORD

T- 5853

Quadrangle (II): T-5853

Project No. (II): CS 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; ✓

8/2/44

Reported to Nautical Chart Section; ✓

8/21/44

Reviewed: 2/46

Applied to chart No.

Date:

Redrafting Completed;

2/18/47

Registered: 10/47

Published:

5/19/47

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): Venice, municipal tank, 1934

Lat.: 27° 06' 00.656"
(20.2 M.)Long.: 82° 26' 17.052"
(469.7 M.)Adjusted
~~Spadjusted~~

State Plane Coordinates (VI): Florida, West Zone

X = 357,478.97 ft

Y = 1,005,793.69 ft

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
4151	12/12/39	9:58	1:10,000	+ 0.2 ft.
4152	"	9:57	"	+ 0.2 ft.
4153	"	9:59	"	+ 0.2 ft.
4154	"	10:01	"	+ 0.2 ft.
4155	"	10:02	"	+ 0.2 ft.
4156	"	10:03	"	+ 0.2 ft.
4265	12/13/39	11:43	"	+ .40 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

date: Jan., 1944

Field Edit by:

date:

Date of Mean High-Water Line Location (III): Jan., 1944

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

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

Control plotted by: B. O. Bryant date: 3/28/44

Control checked by: J. L. White & R. Dossett date: 3/31/44

Radial Plot by: Tampa Office Personnel date: 5/23/44

Detailed by: R. J. Pate date: June & July, 1944

Reviewed in compilation office by: J. A. Giles date: July, 1944

Elevations on Field Edit Sheet
checked by:

date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 10.02

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

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

Number of Recoverable Topographic Stations established: 6

Number of Temporary Hydrographic Stations located by radial plot: 35

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-5853

26. CONTROL

There are 13 triangulation stations within the limits of this sheet. All could be held except Camp 1935 U.S.E.D., Lat. $27^{\circ} 09'$, Long. $82^{\circ} 28'$. The position of this station established by radial plot, was about 12 M. east of position plotted from coordinates. It is believed that this was due to mis-identification on the field photographs.

There was no control for the sheet east of U. S. Highway 41, other than points that were established by the main radial plot. These points were held as control when establishing additional radial points in this area.

27. MAIN RADIAL PLOT (Partial)

This plot consisted of 5 sheets: T-5852 to T-5856 inclusive.

A. Control
Density

Sheet No.	No. of Stations
T-5852	14
T-5853	13
T-5854	8
T-5855	21
T-5856	12

Identification

With the exception of station MCADOW 1935 U.S.E.D. on Sheet T-5852, and station CAMP 1935 U.S.E.D., all the control on this plot was held. Control identification appeared to be excellent, with the exception of the two stations noted above, where the trouble can be ascribed to mis-identification on the field prints and subsequently on the office prints.

E. Photographs

The following nine-lens photographs were used:

4148	to	4159	Incl.
4260	to	4266	"
4337	to	4341	"

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

C. Closure and Adjustments

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

Azimuths to adjacent centers held on all templates and excellent radial intersections were obtained for secondary control.

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

D. Areas of Questionable Accuracy

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

28. DETAILING

Photographs used for detailing were clear but of rather poor scale. Photographs 4154 and 4155 were used mostly for areas not covered by field inspection.

It was found necessary to use the projector in tracing the shoreline in the area of Lyons Bay, Dona Bay and Roberts Bay.

Field inspection along the eastern shoreline of Lyons Bay, Lat. $27^{\circ} 07'$, Long. $82^{\circ} 27'$, was duplicated on field prints 4153 and 4154. There is a slight discrepancy between the two, so detail was taken from office print 4153 after outlining the area under the stereoscope.

Field print 4265 was used in drafting Nokomis. A number of buildings in Nokomis and a road northwest of Lyons Bay, not appearing on the photographs, were transferred by the use of the projector from the original print of sheet T-8410, 1:20,000 scale. This quadrangle was compiled from more recent photographs.

There was no field inspection west of U. S. Highway 41, so the area was interpreted by use of the stereoscope.

29. SUPPLEMENTAL DATA

Sheets T-8407 and T-8410, scale 1:20,000, were used to supplement field inspection.

30. MEAN HIGH WATER LINE

For the most part the mean high water line was delineated by using the measurements taken to the high water line by the field inspector. These measurements were shown on the field photographs.

34. LANDMARKS AND AIDS TO NAVIGATION

Landmarks and aids to navigation are listed on Form 567 which is made a part of this report.

*Chart Letter
to S.S. 1944*

35. HYDROGRAPHIC CONTROL

No. 525, 1944

There are 5 marked H & T Stations that can be recovered for use by the hydrographic party, namely:

EDD 13	1935	U.S.E.D.
EDD 14	1935	U.S.E.D.
EDD 15	1935	U.S.E.D.
EDD 16	1935	U.S.E.D.
EDD 18	1935	U.S.E.D.

There are 35 unmarked hydrographic stations bearing descriptive title such as "Mg. bush" "Gable house" "End, dock", etc.

37. GEOGRAPHIC NAMES

814

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

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

A comparison was made with an ozalid print of sheet No. T-5807 and T-5810, scale 1:20,000. The detail was found to be in good agreement with the exception of a road and a few buildings that had been added since the date of the photographs from which sheet T-5853 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, bearing a

print date of February 20, 1942. It was noted that Bird Island, approximate Lat. $27^{\circ} 06'$, Long. $82^{\circ} 27' 25''$, is now a part of the main land. Also U. S. Highway 41 crosses Hatchett Creek a little more than half way nearer to the railroad than its former route. A road is also shown crossing the southwestern neck of Roberts Bay by means of a fill and a small bridge.

Due to the large scale difference between the chart and compilation, a more accurate comparison than the above could not be made.

Respectfully submitted,

Russell J. Pate

Russell J. Pate,
Photogrammetric Aid.

Forwarded by:

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

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEYNON-FLOATING
AIDS TO NAVIGATION

Sheet # 1

LANDMARKS FOR CHARTS
Tampa Photogrammetric Office
Tampa, FloridaTO BE CHARTED }
~~TO BE CHARTED~~ } STRIKE OUT ONE -

July 25, 1944

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

The positions given have been checked after listing.

See Ch. Letter 525-44
Ray G. Schoppe

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						
BLACKBURN BAY	BLACKBURN BAY BEACON - 34 -	27	09	1774	82 29	326	N.A. Sextant Feb. 18 1927	Fix	1944	✓			1256
"	" " - 33 -	27	09	1678°	82 29	298	"	"	"	✓			"
"	" " - 32 -	27	09	1672	82 29	268	"	"	"	✓			"
"	" " - 31 -	27	09	1478	82 29	204	"	"	"	✓			"
"	" " - 29 -	27	09	1332	82 29	76	"	"	"	✓			"
"	" " - 27 -	27	09	1134	82 28	1511	"	"	"	✓			"
"	" " - 25 -	27	09	207	82 28	1210	"	"	"	✓			"
"	" " - 24 -	27	09	46	82 28	1064	"	"	"	✓			"
"	" " - 23 -	27	08	1170	82 28	583	"	"	"	✓			"
"	" " - 22 -	27	08	1132	82 28	540	"	"	"	✓			"
"	" " - 21 -	27	08	811	82 28	412	"	"	"	✓			"
"	" " - 20 -	27	08	711	82 28	384	"	"	"	✓			"
"	" " - 19 -	27	08	554	82 28	418	"	"	"	✓			"

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.

Scaled by: M.B.H.
Checked by: M.B.H.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEYNON-FLOATING
AIDS TO NAVIGATION

Sheet # 2

LANDMARKS FOR CHARTS

TO BE CHARTED } STRIKE OUT ONE
#18 #16 #15 #14 #13 #12 #11 #10 #9 #8 #7 #6 #5 #4 #3 #2 #1Tampa Photogrammetric Office
Tampa, Florida

July 25, 1944

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

The positions given have been checked after listing.

See Ch. Letter - 525-74 Pay C. K. Luff

Comdr. Ray L. Schopper, 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									
		°	'	D. M. METERS	°	'	D. P. METERS						
	Blackburn Bay Beacon - 18 /	27	08	244	82	28	398	N.A. Sextant 1927	Feb. 18 1944	✓		1256	
	" " " - 16 /	27	08	39	82	28	238	" "	" "	✓		"	
	" " " - 15 /	27	07	1805	82	28	275	" "	" "	✓		"	
	Channel between Blackburn Bay and Lyons Bay							-	-			-	
	Beacon - 13 /	27	07	1504	82	28	405	" "	" "	✓		"	
	" - 12 /	27	07	1497	82	28	366	" "	" "	✓		"	
	" - 11 /	27	07	1237	82	28	263	" "	" "	✓		"	
	" - 9 /	27	07	632	82	28	228	" "	" "	✓		"	
	" - 8 /	27	07	614	82	28	194	" "	" "	✓		"	
	Lyons Bay							-	-			-	
	Lyons Bay Beacon - 7 /	27	07	472	82	28	34	" "	" "	✓		"	
	" " " - 5 /	27	07	215	82	27	1589	" "	" "	✓		"	
	" " " - 4 /	27	07°	32	82	27	1408	" "	" "	✓		"	

- 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.

NON-FLOATING AIDS TO NAVIGATION

LANDMARKS FOR CHARTS
Tampa Photogram
Tampa, Florida

TO BE CHARTED } **STRIKE OUT ONE**

Tampa Photogrammetric Office

Tampa, Florida

July 25 1944

I recommend that the following objects which have (~~been~~^{not}) 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

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						
Venice Inlet Beacon	2 /	27 06	1373	82 28	104	N.A. 1927	Sextant Fix	2/18/ 1944	✓			1256	
"	3 /	27 06	1382	82 27	1504	"	"	"	✓			"	
"	5 /	27 06	1360	82 27	1408	"	"	"	✓			"	
"	7 /	27 06	1360	82 27	1336	"	"	"	✓			"	
"	8 x /	27 06	1431	82 27	1226	"	"	"	✓			"	
"	8 /	27 06	1398	82 27	1136	"	"	"	✓			"	
Venice Inlet Light	/	27 06	1392	82 28	339	"	Radial Plot	January 1944	✓			"	
Venice Inlet Beacon	1 /	Shown on No. 44. 7 5853											
Scaled by: M.B.E. Checked by: F.H.E.													

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
Tampa Photogram
Tampa, Florida

TO BE CHARTED
~~7/6/50~~ ~~7/7/50~~ ~~7/8/50~~ ~~7/9/50~~ ~~7/10/50~~ ~~7/11/50~~ ~~7/12/50~~ ~~7/13/50~~ ~~7/14/50~~ ~~7/15/50~~ ~~7/16/50~~ ~~7/17/50~~ ~~7/18/50~~ ~~7/19/50~~ ~~7/20/50~~ ~~7/21/50~~ ~~7/22/50~~ ~~7/23/50~~ ~~7/24/50~~ ~~7/25/50~~ ~~7/26/50~~ ~~7/27/50~~ ~~7/28/50~~ ~~7/29/50~~ ~~7/30/50~~ ~~7/31/50~~ ~~8/1/50~~ ~~8/2/50~~ ~~8/3/50~~ ~~8/4/50~~ ~~8/5/50~~ ~~8/6/50~~ ~~8/7/50~~ ~~8/8/50~~ ~~8/9/50~~ ~~8/10/50~~ ~~8/11/50~~ ~~8/12/50~~ ~~8/13/50~~ ~~8/14/50~~ ~~8/15/50~~ ~~8/16/50~~ ~~8/17/50~~ ~~8/18/50~~ ~~8/19/50~~ ~~8/20/50~~ ~~8/21/50~~ ~~8/22/50~~ ~~8/23/50~~ ~~8/24/50~~ ~~8/25/50~~ ~~8/26/50~~ ~~8/27/50~~ ~~8/28/50~~ ~~8/29/50~~ ~~8/30/50~~ ~~8/31/50~~ ~~9/1/50~~ ~~9/2/50~~ ~~9/3/50~~ ~~9/4/50~~ ~~9/5/50~~ ~~9/6/50~~ ~~9/7/50~~ ~~9/8/50~~ ~~9/9/50~~ ~~9/10/50~~ ~~9/11/50~~ ~~9/12/50~~ ~~9/13/50~~ ~~9/14/50~~ ~~9/15/50~~ ~~9/16/50~~ ~~9/17/50~~ ~~9/18/50~~ ~~9/19/50~~ ~~9/20/50~~ ~~9/21/50~~ ~~9/22/50~~ ~~9/23/50~~ ~~9/24/50~~ ~~9/25/50~~ ~~9/26/50~~ ~~9/27/50~~ ~~9/28/50~~ ~~9/29/50~~ ~~9/30/50~~ ~~10/1/50~~ ~~10/2/50~~ ~~10/3/50~~ ~~10/4/50~~ ~~10/5/50~~ ~~10/6/50~~ ~~10/7/50~~ ~~10/8/50~~ ~~10/9/50~~ ~~10/10/50~~ ~~10/11/50~~ ~~10/12/50~~ ~~10/13/50~~ ~~10/14/50~~ ~~10/15/50~~ ~~10/16/50~~ ~~10/17/50~~ ~~10/18/50~~ ~~10/19/50~~ ~~10/20/50~~ ~~10/21/50~~ ~~10/22/50~~ ~~10/23/50~~ ~~10/24/50~~ ~~10/25/50~~ ~~10/26/50~~ ~~10/27/50~~ ~~10/28/50~~ ~~10/29/50~~ ~~10/30/50~~ ~~10/31/50~~ ~~11/1/50~~ ~~11/2/50~~ ~~11/3/50~~ ~~11/4/50~~ ~~11/5/50~~ ~~11/6/50~~ ~~11/7/50~~ ~~11/8/50~~ ~~11/9/50~~ ~~11/10/50~~ ~~11/11/50~~ ~~11/12/50~~ ~~11/13/50~~ ~~11/14/50~~ ~~11/15/50~~ ~~11/16/50~~ ~~11/17/50~~ ~~11/18/50~~ ~~11/19/50~~ ~~11/20/50~~ ~~11/21/50~~ ~~11/22/50~~ ~~11/23/50~~ ~~11/24/50~~ ~~11/25/50~~ ~~11/26/50~~ ~~11/27/50~~ ~~11/28/50~~ ~~11/29/50~~ ~~11/30/50~~ ~~12/1/50~~ ~~12/2/50~~ ~~12/3/50~~ ~~12/4/50~~ ~~12/5/50~~ ~~12/6/50~~ ~~12/7/50~~ ~~12/8/50~~ ~~12/9/50~~ ~~12/10/50~~ ~~12/11/50~~ ~~12/12/50~~ ~~12/13/50~~ ~~12/14/50~~ ~~12/15/50~~ ~~12/16/50~~ ~~12/17/50~~ ~~12/18/50~~ ~~12/19/50~~ ~~12/20/50~~ ~~12/21/50~~ ~~12/22/50~~ ~~12/23/50~~ ~~12/24/50~~ ~~12/25/50~~ ~~12/26/50~~ ~~12/27/50~~ ~~12/28/50~~ ~~12/29/50~~ ~~12/30/50~~ ~~12/31/50~~

July 25, 1944

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

The positions given have been checked after listing.

See Ch. Letter 525-46
R. L. Hall

Comdr. 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.

NAUTICAL CHARTS BRANCH

SURVEY NO. T-5853

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.

GEOGRAPHIC NAMES

Survey No.

T-5853

Name on Survey

A

B

C

D

E

F

G

H

K

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

Name on Survey	A	B	C	D	E	F	G	H	K	
✓ <u>Florida</u>									USGB	1
✓ <u>Gulf of Mexico</u>										2
✓ <u>U.S. 41/Fla. 5</u>										3
✓ <u>Seaboard Air Line</u>										4
										5
✓ <u>Blackburn Bay</u>										6
✓ <u>Laurel</u>										7
✓ <u>Laurel School</u>										8
✓ <u>Casey Key</u>										9
✓ <u>Shakett Creek</u>										10
✓ <u>Dona Bay</u>										11
✓ <u>Nokomis</u>										12
✓ <u>Nokomis Methodist Church</u>										13
✓ <u>Lyons Bay</u>										14
✓ <u>Turner Key</u>										15
✓ <u>Venice Inlet</u>										16
✓ <u>Bird Island</u>										17
✓ <u>Roberts Bay</u>										18
✓ <u>Curry Creek</u>										19
✓ <u>Hatchett Creek</u>										20
✓ <u>Yanice</u>										21
✓ <u>Kentucky Military Institute</u>										22
✓ <u>Nokomis School</u>										23
										24
										25
										26
										27

Names underlined in red approved
by L. Heck 01/2/2014

Division of Photogrammetry

Review of Planimetric Map T-5853

Field Inspection and Detailing

These were generally complete and only a few minor changes were necessary during the review. These included the addition of buildings, several small boat piers, and a few pilings. Changes made during review are shown in red on the manuscript.

Comparison with Previous Surveys.

T-5853 supersedes T-1517b and T-1518a, 1:20,000, 1883, over the common area. There have been many natural and cultural changes since the 1883 survey. The change of greatest importance is the closing of Casey Pass at Latitude $27^{\circ} 07'$, about a half mile north of a channel opposite Dona Bay, called Venice Inlet.

Comparison with Nautical Charts

T-5853 was applied to chart 1256 in October 1945, prior to this review. Changes made during the review are discussed above and are of little or no consequence to the 1:80,000 scale chart.

Reviewed by:

Reviewed under the direction of:

Lena T. Stevens
Lena T. Stevens 2/46
Photogrammetric Aid

S. V. Griffith
S. V. Griffith
Chief, Review Section

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

APPROVED BY:

B. G. Jones 12/47
Technical Assistant to the
Chief, Div. of Photogrammetry

Spitznagel
Chief, Nautical Chart Br.
Division of Charts

K. T. Adams
Chief, Div. of Photogrammetry

C. H. Green
Chief, Division of Coastal
Surveys