

# 5843

Diag'. on diag charts No. 1256 & 1257

5843

Form 504	
U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE	
<b>DESCRIPTIVE REPORT</b>	
Type of Survey <u>Planimetric</u>	
Field No. <u>T-5843</u>	Office No. _____
LOCALITY	
State <u>Florida</u>	_____
General locality <u>Florida West Coast</u>	_____
Locality <u>Tampa Bay, Anna Maria Key</u>	_____
Date of photos - Dec. 8, 1939. Supple- mented by field surveys to Dec. 1941.	
194 _____	
CHIEF OF PARTY	
Lieut. Comdr. Kenneth G. Crosby	
LIBRARY & ARCHIVES	
DATE <u>Sept 19 - 1947</u>	_____

Applied to chart 586 before review October 8, 1942. L.A.M.  
" " " 1257 " " October 10, 1942. L.A.M.  
" " " 1256 " " October 16, 1942. L.A.M.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO. **T5843**

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

SHEET NO. T-5843

Field NO. ....

REGISTER NO.

State FLORIDA

General Locality FLORIDA WEST COAST

Locality TAMPA BAY, ANNA MARIA KEY

Photos

Scale 1: 10,000 Date of ~~Survey~~ December 8, 1939

Vessel PARTY: Air Photographic Party No. 1

Chief of party Lieut. Comdr. Kenneth G. Crosby,

Field inspected by : Lieut. J. D. Thurmond,

Surveyed by H. A. Duffy, Sr. Photogrammetric Aid.

Inked by James H. S. Billmyer

Heights in feet above \_\_\_\_\_ to ground to tops of trees

Contour, Approximate contour, Form line interval \_\_\_\_\_ feet

Instructions dated April 3, \_\_\_\_\_, 1940

Remarks: \_\_\_\_\_

SHEET NO. T-

SUPPLEMENTARY SURVEYS

	Name	Date	Hours
Control Surveys .....	WHS JEH	December	3
Planetable Surveys .....			
		Total	3

FIELD INSPECTION

Preparation of Photographs .....	WJK CH	October	2 3/4
Field Work .....	HAD	Oct. & Nov.	63
Inking Notes .....	HAD	Oct. & Nov.	6 1/2
Coast Pilot Notes .....			
Geographic Name Reports .....	X	Nov. & Dec.	17 1/2
Landmarks for Charts .....			
Description Cards .....	HAD	Nov. & Dec.	63
Recovery Notes .....			
		Total	152 3/4

MAIN RADIAL PLOT

Scale Plot .....	JEH	Jan.	2
Projection on Base Sheet .....	} Projection by Washington Office		
Projection on Survey Sheet .....			
Control Plotted .....	WHS	Feb.	1
Control Checked .....	KGC WHS	Feb.	1
Control Trans. to Base Sheet .....	WHS	Feb.	1/4
Transfer Checked .....	JAG	Feb.	1/4
Control Picked on Photographs .....	JED JEH RD	Dec.	7 1/2
Control Checked on Photographs .....	WHS CH JH	Dec. & Jan.	4
Hydro. & Topo. Stations Picked .....	X	Dec. & Jan.	62
Radial Points Picked .....	X	Dec. & Jan.	22
Adjacent Centers Picked .....	X	Dec.	100 1/2
Completed .....	X	Dec. & Feb.	17
Radial Plot .....	WHS KGC CAJP	Feb.	9
Radial Points Transferred .....	JAG WHS	Feb.	2
Transfer Checked .....	WHS JEH	Feb.	6 1/2
H & T Stations Scaled & Checked .....	CAJP CLB	July	18 1/2
Additional Radial Points .....	JHSB	April	45
		Total	298 1/2

DETAILING

Rough Draft .....	JHSB	Apr. May & June	178
Smooth Draft .....			
		Total	178

COMPILATION

Name Overlay .....	JHSB	June	14
Descriptive Report .....	JHSB	June	7
Field Review .....	JAG	July	14
		Total	35

Total time spent on Sheet..... 667 1/4 hours.

x - Several of office personnel

SHEET NO. T-

PHOTOGRAPHS

Number	Date	Time	Stage of Tide
4028	December 8, 1939	11:18	1.7
4029	" " "	11:20	1.7
4030	" " "	11:21	1.7
4031	" " "	11:22	1.7
4032	" " "	11:23	1.7
4033	" " "	11:27	1.6
4134	Unknown	Unknown	Unknown
4135	Unknown	Unknown	Unknown

Tide from predicted tables for: ANNA MARIA  
Reference Station, Tampa Bay (St. Petersburg)

Camera: U. S. Coast and Geodetic Survey Nine-Lens (focal length 8 1/2 inches)  
Negatives on file at the Washington Office.

SCALE

Mean scale of Photographs..... 1:10,000 ± 0.9950  
Scale of Survey Sheet ..... 1:10,000

STATISTICS

Area (land) ..... 8.61 Square statute miles  
Shoreline (more than 200 m. from opposite shore).... 38.2 Statute miles  
Shoreline (creeks) ..... 6.1 Statute miles  
Roads, streets, trails, and railroads ..... 37.7 Statute miles

REFERENCE STATION

Station: PERICO 2, 1908  
Datum: North American 1927

Latitude: 27° 30' 38.462 (1183.8m) (unadjusted)  
Longitude: 82° 41' 08.441 (231.7m)

Florida State grid coordinates, West zone

x = 277,740.77 FT. ~~x coordinate = 722,260.04 ft.~~ (adjusted)  
y = 1,155,380.12 FT. ~~y coordinate = 1,155,380.32 ft.~~

(The computation of these coordinates have been requested, but have not been received)

DESCRIPTIVE REPORT  
TO ACCOMPANY  
Sheet No. T--5843

GENERAL

This sheet was compiled from nine-lens photographs in accordance with "Instructions for Drafting Air Photographic Surveys, Project H. T.-242," dated April 3, 1940.

The general locality of the area covered by this sheet is: Florida, West Coast, Tampa Bay, Anna Maria Key.

The north and west shores of Anna Maria Key are developed beach properties, while most of the rest of the shoreline delineated on this sheet is either mangrove or heavily wooded palm and deciduous trees.

Most of the area back of the wooded shoreline is cultivated, with some pine and grass areas.

Practically all buildings visible on the photographs have been shown.

Approximate mean low water is shown by a dotted line, and the approximate limits of shoal have been shown by a dashed line.

All roads and streets that have been shown by double lines should be shown on the finished drawing the same widths that they are shown on this sheet. All roads that have been shown by a centerline and labelled should be shown 0.6 m.m. wide.

CONTROL

Five triangulation stations fall on this sheet of which four were used for control. These five stations are:

<u>NAME OF STATION</u>	<u>YEAR</u>	<u>ESTABLISHED BY</u>
MANATEE 2	1908	W. B. Fairchild
PALM 3	1924	G. C. Jones
PERICO 2	1908	W. B. Fairchild
SHAW	1925	R. P. Eyman
SNEEDS	1924	G. C. Jones

Station Sneads was not pricked on photograph as it is also R. M. No. 2 for Manatee 2 and only 19.833 meters distant.

MAIN RADIAL PLOT

A continuous radial plot was laid on February 19, 1942 for the location of radial points, hydrographic and topographic stations, bench marks, photograph centers, etc. It extended over the area covered by sheets T-5843 to T-5846, inclusive, and made a junction with the previous radial plot which had been extended southward of T-5842 at photographs Nos. 4035, 4036, 4061 and 4062. The agreement between the two plots at the junction was excellent.

The plot consisted of 39 templates. Four templates had from 9 to 10 triangulation stations within their limits, namely; 4013, 4014, 4024, 4025; seven templates had 4 to 9 triangulation stations, namely; 4023, 4026, 4027, 4028, 4033, 4034, and 4064; six templates were controlled by three triangulation stations, namely; 4011, 4015, 4021, 4029, 4063 and 4133; fifteen templates were controlled, but not rigidly fixed by one or two triangulation stations, while seven had no triangulation control within their limits. All templates not rigidly fixed by triangulation control were laid by holding to well established points which had been determined by radial intersections of previously laid and well controlled templates.

The usual practice of laying the main radial plot was followed. This consisted of plotting and checking the control on the survey sheets and then transferring these points to the base grid sheets by matching individual grid squares. The amount of adjustment in each grid square was negligible. The grid sheets were taped to the plotting table and allowed to remain for 48 hours before any templates were laid. Prior to laying the templates the base grid sheets were examined for movement and where such movement had taken place the grid sheets were given a final adjustment and all matched grid lines were in excellent agreement.

Excessive tilt was found in several photographs, the worst condition being found in photographs 4024 and 4062.

Attention is invited to the fact that photographs 4128, 4129, 4130 and 4131 are not in the correct position as indicated on the photograph index of this area. These photographs consequently, were not of much value in this plot.

The time consumed in laying the plot amounted to one day or twenty-four men hours. It was laid by the Chief of Party, assisted by two Photogrammetric Aids. Agreement along the flight line as well as the intersections of radial lines to adjacent photograph centers were excellent and it was unnecessary to relay any part of the plot. After laying all of the templates the points were transferred to the survey sheets by again matching the grid squares.

5843 A majority of the points on this sheet are located by the common intersection of 4 to 6 radial lines. There were no questionable points or points located by less than 3 radial lines within the limits of the sheet.

It is believed that the excellent agreement of the templates along the flight line and the resulting common intersections of the radial lines for the various points, that the positions of such points are not more than 0.25 m.m. from the correct location since there was no triangle of error in the points picked onto the survey sheet.

Various colored inks were used on the mounted office prints and on the survey sheets to designate triangulation, traverse and topographic stations, etc. The following key is furnished for this information:

#### PHOTOGRAPHS (OFFICE PRINTS)

Triangulation & traverse Stations.....	2.5 mm blue circle
Marked Hydro. and Topo. Signals.....	2.5 mm green circle
Radial Points (Main Plot).....	2.5 mm red circle
Radial Points (Additional).....	3.5 mm red circle
Photograph Centers.....	Double circle

#### Survey Sheet

Triangulation Stations .....	3.5 mm high black triangle
Hydro. & Topo Stations.....	2.5 mm black circle
Radial Points (Main Plot).....	2.5 mm blue circle on back of sheet.
Radial Points (Additional).....	3.5 mm blue circle on back of sheet.
Radial Points((Questionable)....	3.5 mm green circle on back of sheet.

#### FIELD INSPECTION

The field inspection was made by Harold A. Duffy, Senior, Photogrammetric Aid, by truck and skiff, during October, 1941. A special report entitled "Field Inspection, Tarpon Springs to South of Manatee River," has been previously transmitted to the Washington Office, by Lieut. J. D. Thurmond in December 1941.

Field notes were sufficient for compilation.

The legend used by the field inspector has been made a part of this report.

INTERPRETATION OF PHOTOGRAPH

The photographs were clear and no difficulty was experienced in their interpretation.

NON - FLOATING AIDS

All non-floating aids to navigation which fell on this sheet were located either by radial plot or three point sextant fixes. They are listed with their geographic position on the attached forms 567.

JUNCTIONS

This sheet joins T-5844 on the east and T-5847 on the south. The junction with T-5844 agrees very well. T-5847 will not be compiled until some future date.

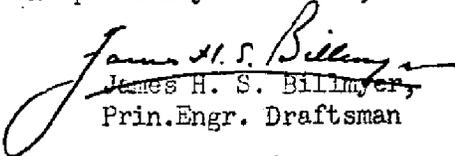
GEOGRAPHIC NAMES

The investigation of geographic names on this sheet is the subject of a special report entitled, "Investigation of Geographic Names, Florida West Coast, Rocky Point to Palma Sola Bay," submitted to the Washington Office by Harold A. Duffy, Senior Photogrammetric Aid.

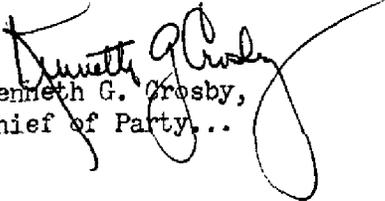
LANDMARKS

Two landmarks, a spire and a clubhouse, are shown on Chart No. 586. These have not been picked on the photographs so were not re-located by radial plot. It is recommended that these objects be retained on the chart.

Respectfully submitted,

  
James H. S. Billinger,  
Prin. Engr. Draftsman

Forwarded:

  
Kenneth G. Crosby,  
Chief of Party...

LEGEND USED FOR FIELD INSPECTION AND DRAFTING  
PROJECT 2A2 - 1942

TREES

Pi - Pine  
Cy - Cypress  
Palc - Palmetto  
Palm - Palm  
D T - Deciduous trees (broad leaf)  
Cit - Citrus (orchard)  
Mix - Pine, cypress & Dec. trees  
(Density)  
Sct. - Scattered  
t.w. - Thinly wooded  
H.w. - Heavily wooded  
Scr. - Scrub trees;

VEGETATION

C - Cultivation  
Gr - Grass  
T Gr - Tall Tropical Grass  
M - Marsh (dashed blue line on  
inshore limits)  
M W - Marsh grass in water (dashed blue  
line on offshore limits)  
Sw - Swamp  
Mg - Mangrove  
Hdg - Hedge

STREAMS

Ca - Canal (width)  
Cr - Creek  
D - Ditch (width)  
I S - Intermittent Stream  
FDU - Probable drainage unsurveyed  
Brg - Bridge or symbol  
Cv - Culvert  
Lev - Levee

F.G.S. - Florida Geodetic Survey  
U.S.E. - U. S. Engineers  
USBS - U. S. Biological Survey

ROADS & RAILROADS

Rd 1 - 1st class road (paved)  
Rd 2 - 2nd class road  
Tr - Trail  
R R - Railroad  
O P - Overpass (state the kind)  
U P - Underpass (state the kind)  
X - Abandoned trail, road, etc.  
E R - Abandoned (grade only)

PONDS

P - Pond  
Cy P - Cypress Pond  
I P - Intermittent Pond

SHORE LINE

H.W.L. - mean high waterline (solid  
red line - fast land)  
L.W.L. - Low waterline (dashed red line)  
L.L. - Light line (solid blue line for  
mean high water line on marsh)  
Dk - Dock  
Pr - Pier  
Se " - Seawall  
Skhd - Skidhead  
Conc - Concrete  
Wo - Wooden  
Jet - Jetty  
Dol - Dolphin  
pile - pile (give type)  
S - Sand  
Mud - Mud  
Rk - Rock or Rocky  
Sty - Stony  
W - Water  
Blf - Bluff (height)

BUILDINGS

H - House, barn or building  
Ch - Church (give name)  
Ct H - Court House (give name)  
Bo H - Boat House  
P.O. - Post Office (give name)  
R.R. Sta - Railroad station (give name)  
Hos - Hospital (give name)  
Sch - School (give name)

MISCELLANEOUS

F - fence  
FB - Fire Break (maintained)  
FBX - Fire Break (abandoned)  
Cem - Cemetery  
Park - Park (give name)  
F.T. - Fire Tower  
T.T. - Transition tower (tall steel)  
P.L. - Power Line  
Shoal - Approx. limited by long dashed  
line for use by hydrographer

GEOGRAPHIC NAMES

C = Ch 586 W.A.B.  
10/5/43

Survey No. T-5843

No. 1

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
c ✓ Tampa Bay									1
c ✓ Manatee River									2
c ✓ Sneed Island									3
c ✓ Sneed Point									4
c ✓ Emerson Bayou									5
T-5844 - Portavant Mound									6
c ✓ Shaw Point									7
c ✓ Bishop Point									8
c ✓ Palma Sola									9
c ✓ Palma Sola Park									10
c ✓ Palma Sola Bay									11
c ✓ Seven Pines									12
c ✓ Palma Sola Point									13
c ✓ Perico Bayou									14
c ✓ Perico Island									15
c ✓ Sarasota Pass									16
c ✓ Grassy Point									17
c ✓ Grassy Point Bayou									18
c ✓ Cortez Beach									19
c ✓ Anna Maria Key									20
c ✓ Jones Bayou									21
c ✓ School Key									22
c ✓ School Key Bar									23
c ✓ The Bulkhead									24
c ✓ Anna Maria									25
c ✓ Bean Point									26
c ✓ Passage Key Inlet									27

Remarks	Decisions
1	
2	275826
3	"
4	Apply Snead Point pending decision of USGB with regard to <u>Emerson Point</u>
5	"
6	on sheet T-5844
7	"
8	"
9	on sheet T-5844
10	274826
11	"
12	275826
13	Apply Palma Sola Point pending decision of USGB with regard to <u>Lead Point</u>
14	"
15	"
16	Apply old name of Sarasota Pass pending decision of U.S.G.B. with regard to Palma Sola Sound, as it is Light List and Coast Pilot usage
17	275827
18	274826
19	Apply Cortez Beach pending decision of USGB with regard to <u>Bradenton Beach</u> (U.S.G.B. decision)
20	"
21	275827
22	"
23	"
24	"
25	"
26	"
27	"

GEOGRAPHIC NAMES

Survey No. T-5843

No. 2

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

Municipal Pier

Gulf of Mexico

Ilexhurst

Names underlined in red approved  
by L. Heck on 1/14/47

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Remarks.	Decisions
1	275827
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DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

TO BE CHARTED }  
TO BE DELETED } STRIKE OUT ONE

List of Permanent (non-floating)  
Aids to Navigation for Sheet T-584  
Filed in Fund: *U.S. Coast*

*CR. 8. 398-42*

Tampa, Florida

July 6, 1942

1935

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

*Kenneth G. Crosby*  
Kenneth G. Crosby  
*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
		°	'	°	'							
Tampa Bay - Manatee River												
Terra Ceia Point Beacon 1		27	32	82	38	1087		X	X	586		
Terra Ceia Point Beacon 3		27	32	82	38	1723		X	X	1256		
Manatee River Cut A Range Front Lt. # 4		27	32	82	40	233		X	X	"		
Manatee River Cuts A & C Range R Lt		27	32	82	39	1206		X	X	"		
Manatee River Cut C Range Front Light 6		27	31	82	39	1266		X	X	"		
Manatee River Cut D Range Rear Light		27	31	82	39	1629		X	X	"		
Manatee River Cut D Range Front Light 1		27	31	82	39	466		X	X	"		
Manatee River Beacon 3		27	31	82	38	1458		X	X	"		
Manatee River Beacon 8		27	31	82	38	1080		X	X	"		
Manatee River Beacon 5		27	31	82	38	754		X	X	"		
Manatee River Beacon 10		27	31	82	38	499		X	X	"		
Iron Pipe (Bulkhead shoal)		27	31	82	40	1421		X	X	"		
Iron Pipe		27	31	82	41	522		X	X	"		

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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 Pauw  
" " CLB

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

List of Permanent (non-floating) Aids  
to navigation for Sheet T-5843

LANDMARKS FOR CHARTS *Ch. 2. 398-42*

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

Tampa, Florida

July 6, 1942, 1938

I recommend that the following objects which have ~~(marked as)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(charts)~~ the charts indicated.  
The positions given have been checked after listing.

*Kenneth G. Crosby*  
Kenneth G. Crosby,  
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
		°	'	°	'							
Sarasota	Pass Light 1	27	32'	82	42'	1340		X	X	586 1256		
Intra Coastal	Sign Board	27	31	82	42	752		X	X	"		
Sarasota	Pass Beacon 2	27	31	82	42	395		X	X	"		
Sarasota	Pass Light 3	27	31	82	41	1214	1927	X	X	"		
Sarasota	Pass Light 4	27	31	82	41	1271		X	X	"		
Bulkhead	North Range Front Lt. 5	27	30	82	41	674		X	X	"		
Bulkhead	North Range Rear Light	27	30	82	41	499	AMERICAN	X	X	"		
Bulkhead	South Range Rear Light	27	30	82	41	672		X	X	"		
Bulkhead	South Range Front Lt. 7	27	30	82	41	672		X	X	"		
Sarasota	Pass Lt. 6	27	29	82	41	1422		X	X	"		
Sarasota	Pass Beacon 9	27	29	82	41	1423	NORTH	X	X	"		
* NOTE: The light is both the North and South Range.												

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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.



## Division of Photogrammetry

### Review of Planimetric Map T-5843

#### Radial Plot.

No attempt was made to check the radial plot on T-5843 as the office photographs were not available. According to the descriptive report, there was no trouble in laying the plot and excellent intersections were obtained.

#### Detailing.

Only very few changes were necessary to correct the detail on this sheet. Some additions to the manuscript were picked up from the field inspection photographs. Since they were practically all in one area, the compiler probably overlooked it. All corrections and additions have been shown in red ink.

Road classifications have been changed throughout the sheet to conform with the standards of planimetric maps.

Complete and satisfactory junctions have been made with adjoining surveys.

#### Comparison with Other Surveys.

Hydrographic - None contemporary with survey T-5843.

Previous Topographic:

T-1346a	1:20,000	1873
T-1346	1:20,000	1874
T-4211	1:20,000	1926
T-4212	1:20,000	1926

All these surveys are superseded in common areas by survey T-5843.

#### Comparison with Nautical Charts.

586	1:40,000	Jan. 1944
1256	1:80,000	Mar. 1943
1257	1:80,000	Oct. 1943

This survey has been applied to the above charts prior to this review. No changes were made during review which affect the charts.

Reviewed under the direction of R. M. Berry, May 1945.

Review 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

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

Acting B. G. Jones  
Chief, Div. of Photogrammetry

C. K. Green  
Chief, Division of Coastal  
Surveys