

5866

Diag'd. on Diag. Ch. No. 1255

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photo. Compilation

Field No. H.T.-242-G Office No. T-5866

LOCALITY

State Florida

General locality San Carlos Bay

Locality Sanibel Island

194 3

CHIEF OF PARTY

K.G. Crosby

LIBRARY & ARCHIVES

DATE Nine Lens Photos-12-14-39, 11-12-42

B-1870-1 (1)

5866

DATA RECORD

T- T-5866

Quadrangle (II): Project No. (II): 242-G H.T.

Field Office: Tampa, Fla. Chief of Party: K. G. Crosby

Compilation Office: Tampa, Fla. Chief of Party: K. G. Crosby

Instructions dated (II III): 4/3/40 Copy filed in *Division of Descriptive*
~~Report No. T-~~ *(VI)*
Photogrammetry Office files

Completed survey received in office: 11 Nov. 1943

Reported to Nautical Chart Section:

Reviewed: 5/29/45 Applied to chart No. 1255 Date: 8/22/45
 473 10/7/47

Redrafting Completed: 1 April, 1947

Registered: *March 1949*
~~27 May, 1944~~ Published: 30 June, 1947

Compilation Scale: 1:10,000 Published Scale: 1:10000

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927 Datum Plane (III): *M.S.H.*
H.W.

Reference Station (III): WOODRING, 1927

Lat.: 26°28'06"904(212.5m) Long.: 82°03'32"741(906.9m.) Adjusted
~~unadjusted~~

State Plane Coordinates (VI):

X = 480,667.62 Y = 775,976.50 West Zone

Military Grid Zone (VI)

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
11577	11/12/42	11:07	1:10,000	- 0.2
11578	"	11:08	"	- 0.2
11579	"	11:08	"	- 0.2
11580	"	11:09	"	- 0.2
11581	"	11:10	"	- 0.2
11582	"	11:10	"	- 0.2
11583	"	11:11	"	- 0.2
4286	12/14/39	1:01	"	+ 0.5
4292	"	1:05	"	+ 0.5

Tide from (III): Point Ybel, Ent. to San Carlos Bay - Ref.
Tampa Bay

Mean Range: 1.8'

Spring Range: 2.4'

Camera: (Kind or source) USC&GS 9 lens (8 $\frac{1}{4}$ " focal length)

Field Inspection by: H.A.Duffy, Prin.Photo.Aid date: 3/19/43

Field Edit by:

date:

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

Projection and Grids ruled by (III) J.O'N.Wash.Off date: 5/21/43

" " " checked by: B.R.C. " " date: 5/21/43

Control plotted by: R.Dossett, Prin.Photo.Aid date: 7/14/43

Control checked by: O.M.Rivera, Sr.Photo.Aid date: 7/14/43

Radial Plot by: Tampa Office Personnel date: Aug. 1943

Detailed by: R.Dossett, Prin.Photo.Aid date: Sept.-
Oct. 1943

Reviewed in compilation office by: F.H.Elrod Prin.Photo.Aid date: Nov.
1943

Elevations on Field Edit Sheet
checked by:

date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 14.5

Shoreline (More than 200 meters to opposite shore): 34.2

Shoreline (Less than 200 meters to opposite shore): 5.0

Number of Recoverable Topographic Stations established: 11

Number of Temporary Hydrographic Stations located by radial plot: 59

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-5866

CONTROL

Five triangulation stations appear within the tracing limits of this sheet. All were used by the draftsman to establish additional radial points. These gave adequate control to insure strong points.

Few radial points appear along the shoreline as the numerous unmarked hydrographic stations, established by the field inspector, gave good three and four cut intersections and appeared sufficiently strong to hold. GAB 1917
HEL "
WOODRING "
Sanibel Is. LH 1909
CHAN (USE) 1938

MAIN RADIAL PLOT

Discussion of the radial plot which includes this sheet has been made a part of the descriptive report for Sheet T-5872.

DETAILING

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

With the exception of Photo. 4292 all photographs were generally clear and of reasonably good scale. Photograph 4292 was of poor scale and was used only near the center.

Photos 4292 and 4286 were flown in 1939 while the others were flown in 1942. No outstanding difference in the detail was noted.

SUPPLEMENTAL DATA

No supplemental data was available.

GEOGRAPHIC NAMES

Geographic names for this compilation have been covered in a report by Harold A. Duffy, Principal Photogrammetric Aid, entitled SPECIAL REPORT TO SUPPLEMENT NAME SHEETS NOS. 25-31, FLORIDA WEST COAST, CALOOSAHOATCHEE RIVER, SAN CARLOS BAY, PINE ISLAND SOUND, AND MATLACHA PASS, submitted to the Washington Office May 31, 1943. 814✓

Attention is called to the geographic name POINT YBEL at the extreme eastern end of Sanibel Island which has been left as charted on previous surveys. The field inspector recommends in his report that it be changed to LIGHTHOUSE (local use) POINT. Since the name "POINT YBEL" is so firmly established, being used as a reference in the tide tables and so

appearing on all available charts, it is shown on this compilation as POINT YBEL.

LANDMARKS AND AIDS TO NAVIGATION

The non-floating aids appearing on this sheet have been listed on Form 567 and made a part of this report. *cht. Lat No. 36 (1945)*

HYDROGRAPHIC CONTROL

Fifty-nine unmarked hydrographic stations, bearing a short description, appear within the tracing limits of this sheet.

The following marked hydrographic stations also appear: *(fms. 574)*

<u>Station</u>	<u>Date</u>	<u>Established by</u>
Jug	1943	K. G. Crosby
Inn	"	"
Fat	"	"
Hee	"	"
Rig	"	"
Oxy	"	"
Oys	"	"
Dok	"	"
Tyr	"	"
Joe	"	"
Pas	"	"

*Tank, Casa Ybel Hotel, 1943
St. James Lt No. 5
Pine Is. Sound No. 10*

COMPARISON WITH EXISTING TOPOGRAPHIC QUADS

No topographic quadrangle was available for comparison.

COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Coast and Geodetic Survey, Gulf Coast Nautical Chart No. 1255, "Estero Bay to Lemon Bay including Charlotte Harbor". The scale difference was too great for a thorough comparison, but no large disagreements were noted in the detail. This compilation, however, supersedes the charted information.

Respectfully submitted,

Rudolph Osssett
Rudolph Osssett,
Prin. Photogrammetric Aid

Forwarded by:

Kenneth G. Crosby
Kenneth G. Crosby
Chief of Party...

October, 1943

The positions given have been checked after listing.

filled in Nautical Charts section
Chart Letter ~~298~~ - (1742) 2.96 (1945)
under

Kenneth G. Crosby Chief of Party.

Kenneth G. Crosby

Chief of Party.

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 SURVEY

List of Non-Floating
Aids to Navigation
Sheet T-5866

LANDMARKS FOR CHARTS

Tampa Photogrammetric Office
Tampa, Florida

October

19 43

TO BE CHARTED
~~NO BE DELETED~~ } STRIKE OUT ONE

I recommend that the following objects which have (have 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.

Kenneth G. Crosby

Chief of Party.

GENERAL LOCALITY	NAME AND DESCRIPTION	LATITUDE		POSITION		METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
		°	'	D. M. METERS	°	'	D. P. METERS				
GENERAL LOCALITY SANIBEL ISLAND, ST. JAMES PINE IS. SOUND	St. James Light 5 (Pl. 6, 4 Sec.)	26	28	1493	82	03	1065	N.A. 1927	AlPhoto Comp. 9/1943	X	1255
	Pine Island Sound Bn. 8 (Pl. R., 1 Sec.)	26	28	1135	82	05	1520	"	Sextant	X	"
	Pine Island Sound, Light 10	26	28	941	82	06	128	"	AlPhoto Comp. 9/1943	X	"
	" " " Bn. 12	26	28	1406	82	06	1037	"	Sextant	X	"
	" " " Bn. 14	26	28	1843	82	06	1488	"	"	X	"
	Punta Rasa, Bn. No. 1	26	27	1628	82	00	1494	"	"	X	"
	St. James Bn. No. 2	26	27	902	82	01	864	"	"	X	"
	" " " 3	26	27	1064	82	02	567	"	"	X	"
	" " " 4	26	27	1719	82	02	1282	"	"	X	"
	" " " "										

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.

MANUAL USED FOR FIELD INSPECTION AND MAPPING PROJECT 242

PLANTS

Pi - Pine
 Cy - Cypress
 Pal - Palmetto
 Palm - Palm
 D T - Deciduous trees (broad leaf)
 Cit - Citrus (orchard)
 Mix - Pine, cypress & Dec. trees
 (Density)
 Sc - Scattered
 Th - Thicket wooded
 Hw - Heavily wooded
 Scr - Scrub trees

TERMINATION

C - Cultivation
 Gr - Grass
 T Gr - Tall tropical grass
 M - Marsh (dashed blue line on
 inshore limits)
 M - Marsh grass in water (dashed
 blue line on offshore limits)
 Sw - Swamp
 M - Mangrove
 Rd - Ridge

SHORELINE

Ca - Canal (width)
 Cr - Creek
 D - ditch (width)
 I S - Intermittent Stream
 EOU - Probable drainage unsurveyed
 Brg - Bridge or symbol
 Sv - Sulvert
 Lev - Levee
 FLS - Florida Lactetic Survey
 LSS - U.S. Lighthouse
 BLS - U.S. Biological Survey

ROADS & RAILROADS

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

WATER

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

SHORELINE

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 beach)
 Dr - Dock
 Pr - Pier
 C.W. - Caisson
 Wh - Wharf
 G.W. - Concrete
 Co - Caisson
 Jet - Jetty
 Dol - Dolphin
 Pile - Pile (give type)
 L - Land
 Rd - Road
 Rk - Rock or rocky
 St - Stone
 V - Vator
 Rk - Ruff (height)

SHORELINE

H - House, barn or building
 Ch - Church (give name)
 Co H - Court House (give name)
 Po H - Post House
 P.O. - Post Office (give name)
 Rk Sta - Railroad station (give name)
 Hos - Hospital (give name)
 Sch - School (give name)

SHORE LINE

F - Fence
 W - Wire Break (maintained)
 W - Wire Break (abandoned)
 Cem - Cemetery
 Park - Park (give name)
 Shoal - Approx. limits by long dashed
 line for use by hydrographer
 P.T. - Fire Tower
 T.T. - Transmission tower (tall steel)
 P.L. - Power line

GEOGRAPHIC NAMES

Survey No.

T-5866

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	
Florida								USGB	1
Gulf of Mexico									2
San Carlos Bay									3
Pine Island Sound									4
State No. 25									5
									6
Sanibel Island									7
Point Ybel (Lighthouse Pt.)									8
Dixie Beach									9
Sanibel									10
Ladyfinger Lake									11
Woodrings Point								USGB	12
Tarpon Bay									13
Shallow Cutoff									14
Shallow Mouth									15
Bird Creek									16
McIntyre Creek									17
Little McIntyre Creek									18
Duffy Creek									19
Dead Oyster Creek									20
Long Point									21
Umbrella Pool									22
Sanibel Bayous									23
Sanibel Sandflats									24
									25
									26
									27

Revised and approved
by L. Heck on 2/11/47

3/27/47: no change in data
L.A.

Review Report
Planimetric Map Manuscript T-5866

Radial Plot

The radial plot was checked during review and found to be satisfactory.

Detailing

Some additions were made to the vegetation in black ink and a few roads were reclassified.

Comparison with Previous Surveys

T-693 1:20,000 1858

T-5866 supersedes T-693 in common areas for common detail.

There are no graphic control surveys and no contemporary hydrographic surveys in the area of T-5866.

Comparison with Nautical Charts

Chart 1255 1:80,000 1944

The map manuscript has not been applied to charts as of the date of this review.

Reviewed by:

Inspected by:

W. W. St. John
W. W. St. John 6-7-45 K.H.M.

D. H. Benson
D. H. Benson K.H.M.

APPROVED BY:

B. J. Jones 3/49
Technical Assistant to Chief
Division of Photogrammetry
~~Chief, Surveys Section~~

K. T. Adams
Chief, Division of Charts *Photogrammetry*

H. E. Edwards
Chief, Section of Topography
Chief Nautical Chart Branch

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

NAUTICAL CHARTS BRANCH

SURVEY NO. T-5866

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.