

5861

C.S. 243

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-5861

LOCALITY

State Florida

General locality Charlotte Harbor-Pine Island
Sound

Locality Lacosta Island

194 3

CHIEF OF PARTY

K.G. Crosby

LIBRARY & ARCHIVES

DATE

March 18-1947

B-1870-1 (1)

5861

Applied to _____ Chart Cor 474 May 1945

DATA RECORD

T- 5861

Quadrangle (II):

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

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 Descriptive
Report No. T- (VI)

Completed survey received in office: 29 Dec. 1943

Reported to Nautical Chart Section:

Reviewed: 25 Sept. 1945 Applied to chart No. Date:

Redrafting Completed: 14 Feb. 1947

Registered: 26 May, 1948 Published: May, 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.L.
H.W.

Reference Station (III): Spanish 1934

Lat.: Long.: Adjusted
26° 41' 00.923" (28.4 m) 82° 14' 46.158" (1276.2m) Unadjusted

State Plane Coordinates (VI):

X = 419,622.36

Y = 854,197.48

Military Grid Zone (VI)

STATISTICS (III)

Land Area (Sq. Statute Miles): 3.8

Shoreline (More than 200 meters to opposite shore): 26.5

Shoreline (Less than 200 meters to opposite shore): 1.2

Number of Recoverable Topographic Stations established: 7

Number of Temporary Hydrographic Stations located by radial plot: 29

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 T-5861

CONTROL

Five Triangulation Stations are within the limits of this sheet. These Stations were held during the laying of the main radial plot. Due to the mismatched chamber junctions and distortion apparent in the photographs covering this sheet, a paper distortion template was made for chamber lines and collimation marks. When additional radial points were cut in during the detailing of this sheet, the above template was used to help in "fixing" the photographs and it was found that all Triangulation Stations could not be held tightly without disregarding chamber junctions and collimation marks. To overcome this difficulty an adjustment between chamber lines was made for each chamber of the photographs. However, in those photograph chambers wherein a triangulation station appeared, no adjustment was made, but the Triangulation Station was held for all cuts within that chamber. For cuts on radial points falling within the Center Chamber(No.9), the photograph was orientated so as to hold all triangulation and chamber junctions were disregarded. Main radial plot points falling in the wings of the photographs were considered as secondary control and adjustment was made between the points and the chamber junctions.

When detailing this sheet it was discovered that one triangulation station "Roche's House, W. Gable, Useppa Island 1909" could not be held. Due to the discrepancy between the original and present description of this house, there is some doubt as to whether the present gable of the house is identical with the original gable used as a station in 1909.

MAIN RADIAL PLOT

For a discussion of the main radial plot, of which this sheet is a part, reference is made to the compilation report for Sheet T-5872.

Due to the Geographic position of the control in relation to the flight line of photographs the control was not considered to be adequate for detailing this sheet. As two Triangulation Stations were very close to the flight line they were of very little help in controlling the photographs along the azimuth of flight in a general north and south direction.

6. Spanish, 1934
Useppa Is. Hotel Tank 1934
" " House, N Gable 1909 (doubtful, 1909)
" " Inn Flagpole 1934
" " Inn Flagpole 1934
" " Boca Grande LH 1934
" " Gasparilla Is RR LH 1909

The photographic coverage was not considered to be adequate. Two lines of flight are within the limits of this sheet. However, the two flights are so near each other that they may be considered to be along one azimuth. This situation resulted in giving extremely "flat" cuts in the intersections for radial points along the flight line and, consequently, the points picked were not entirely satisfactory. Due to the inadequacy of photography there was no alternative except to pick the best radial intersections obtainable under these conditions.

DETAILING

The photographs used in detailing this sheet were clear and the scale reasonable good. Field inspection was exceptionally good. It is believed that detailing has been accomplished within the limits of allowable error.

SUPPLEMENTAL DATA

No other surveys, maps, or plans were used to supplement photographs in detailing this sheet.

LANDMARKS AND AIDS TO NAVIGATION

There are two uncharted landmarks on this sheet, which are listed on Form 567.

The Aids to Navigation are also listed on Form 567, which is made a part of this report.

*Chart letter
398
(1942)*

HYDROGRAPHIC CONTROL

There are seven marked stations within the limits of this sheet, which can be used as hydrographic control. These stations are listed by name as follows: (forms 524)

Tidal	B. M. 1,	1927	Tidal B.M. 8, 1933 ✓
	B. G. 9, (U.S.E)	1935 ✓	
	Pin,	1943 ✓	
	May,	1943 ✓	
	Lab,	1943 ✓	
	One,	1943 ✓	
	Spanish Az. Mark,	1934. ✓	
	Light No. 31 (white),	1943	} unmarked
	Pit, 1943 (telephone pole)		

In addition are the following described stations:

Form 524 - *South Boca Grande, Foundation, 1934*
 ✓ South Boca Grande Tank 1943, (New)
 ✓ Sampling Tower 1943,
 ✓ South Boca Grande Coast
 ✓ Guard Lookout Tower 1943,
 ✓ Tank, Elevated, Silver, 1943,
 ✓ Tank, Elevated wood
 white, 1943,
 29 unmarked stations with short descriptions on Sheet

GEOGRAPHIC NAMES

A special report on Geographic Names under the title "Florida West Coast, Calooshatchee River, San Carlos Bay, Pine Island Sound, and Matlacha Pass" was submitted by Harold A. Duffy, Prin. Photo. Aid to the Washington Office, May 31, 1943.

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

There were no Topographic Quadrangle Maps available at this office for comparison.

COMPARISON WITH NAUTICAL CHARTS.

A visual comparison was made with U. S. C. & G. S. Charts Nos. 1255 and 474. These Charts are projected on 1:80,000 Scale and detail comparison was only general. On the above charts a small island is shown on the East side of Lacosta Island in approximately Lat. 26°39'30", Long. 82°14'25". As shown on the above charts a small channel in a north and south direction separates this island from Lacosta Island, which channel had apparently disappeared at the time of the photographs. At the present time the former small island is part of Lacosta Island and no indication of the former channel appears on the photographs or is indicated by the field inspection party. However, with the above exception, there was no outstanding features of difference between this sheet and the above charts.

It is recommended that this compilation supersede the present charted information.

Respectfully submitted,

John L. White

John L. White,
 Prin. Photo. Aid

Forwarded by:

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

INDEX

Cy 2 - Cypress Pond
 I - Intermittent Pond

330

[illegible]

Age - 34
 Sex - Male
 City - Chicago
 State - Illinois
 Zip - 60644

801201n 5

H. - House, barn or building
 Ch. - Church (give name)
 Ct. - Court house (give name)
 B. - Best house
 P.O. - Post office (give name)
 R. - Railroad station (give name)
 H. - Hospital (give name)
 S. - School (give name)

فأله - فاعله - فاعله

- 8. Fence
- 9. Wire fence (100 ft. line)
- 10. Wire fence (100 ft. line)
- 11. Gate
- 12. Gate
- 13. Gate
- 14. Gate
- 15. Gate
- 16. Gate
- 17. Gate
- 18. Gate
- 19. Gate
- 20. Gate
- 21. Gate
- 22. Gate
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- 99. Gate
- 100. Gate

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEYList of Non-floating
Aids to Navigation

LANDMARKS FOR CHARTS

TO BE CHARTED
~~FOR BEING DELETED~~ STRIKE OUT ONE

Sheet T-3861

Tampa Photogrammetric Office

Dec. 14, 1943

1101 L. Broadway, Tampa, Fla.

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.

398 (1942)

Lieut. Comdr. 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									
		O	I	D. M. METERS	O	I	D. P. METERS						
	Pine Island Sound Lt. "31"	26	40	441	82	12	595	N.A.	1927	Air Photo	1943	"	474
	Pine Island Sound Lt. "35X"	"	"	598	82	13	344	"	"	"	"	"	1255
	Pine Island Sound, Bn. "32"	"	"	696	82	12	133	"	"	"	"	"	"
	Pine Island Sound, Bn "33X"	"	"	564	"	"	1087	"	"	"	"	"	"
	White Bn. (No Number) South one of three	"	"	817	"	"	1328	"	"	"	"	"	"
	White Bn. (No. Number) Middle one of three	"	"	970	"	"	1467	"	"	"	"	"	"
	White Bn. (No Number) North one of three	"	"	1094	"	"	1473	"	"	"	"	"	"
	Pine Island Sound Bn "38X"	26	41	1768	82	14	319	"	"	"	"	"	"
	Charlotte Harbor Eleven Foot Shoal Beacon 8	26	43	1113	82	12	1022	"	"	"	"	"	"

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-5861

GEOGRAPHIC NAMES											
Survey No. T-5861											
1 Name on Survey		A	B	C	D	E	F	G	H	K	
Florida										USGB	1
Gulf of Mexico											2
Seaboard Air Line											3
Charlotte Harbor											4
Pine Island Sound											5
Casparilla Island											6
South Boca Grande			(town)								7
Boca Grande			(pass)								8
Quarantine Station (Abandoned)											9
Iacosta Island										USGB	10
Pelican Pass											11
Pelican Bay											12
Punta Blanca Island											13
Point Blanco										USGB	14
Saltwater Lake											15
Flats Creek											16
Primo Point											17
Primo Bay											18
Primo Island											19
Bird Key											20
Middle Key											21
Cabbage Key											22
North Banks											23
Platt Point											24
Myrdock Bayou											25
Myrdock Lake											26
Useppa Cyater Bar											27

M 234

GEOGRAPHIC NAMES

Survey No.

T-5861

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	
<u>Useppa Island</u>										1
<u>Whooppee Island</u>										2
<u>Mondongo Island</u>										3
<u>Mondongo Rocks</u>										4
<u>Patricio Island</u>										5
<u>Patricio Shoal</u>										6
<u>Camp Key</u>										7
<u>Old Tom Bayou</u>										8
										9
										10
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										14
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										26
										27

Names underlined in red approved

by L. Heck on 12/30/46

REVIEW REPORT
Planimetric Map Manuscript T-5861

28. DETAILING

Shoreline inspection data was well utilized.

A few alterations and additions have been made during review:

A low storm ridge on Bird Key was noted by field inspection. Under the stereoscope the other islands show the same characteristic, therefore the ridge has been indicated in red to show the reason for the line of palms (in mangrove) drafted by the compiler.

Vegetation symbols have been added to the western side of Lacosta Island as a guide to stick-up application, since the trees here do not grow in an all-over pattern, but rather in concentric bands of heavily wooded and lightly wooded character.

44. COMPARISON WITH PREVIOUS SURVEYS

T-4266	1/20000	1927	No recent H-survey.
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Beacons 11W, 13W, 18W are now beacons 33X, 35X, 38X.
Houses on piling in the old survey is indicated in the new survey as "broken piling."

T-5862 supersedes the old survey in all comparable detail of their common areas.

45. COMPARISON WITH NAUTICAL CHARTS:

1255	1/80000	1880	474	1/40000
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T-5861 was applied to chart 474 prior to review.

REVIEWED BY

Under the direction of
R. M. Berry

Lena T. Stevens
Lena T. Stevens, 25 Sept. 1945

APPROVED BY:

B. J. Jones
Technical Assistant to the
Chief, Div. of Photogrammetry

H. C. Edmonston
Chief, Nautical Chart Branch
Division of Charts

K. T. Adams
Chief, Div. of Photogrammetry

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

NAUTICAL CHARTS BRANCH

SURVEY NO. T. 5461

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.