

# 5857

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. .... Office No. T-5857

### LOCALITY

State Florida

General locality Gasparilla Sound

Locality Knight Island Bocilla Island

Date Photos Dec. 14 & 19, 1939

194 4

### CHIEF OF PARTY

Lieut. Comdr. Kenneth G. Crosby

### LIBRARY & ARCHIVES

DATE

Sept 19-1947

B-1870-1 (1)

# 5857

## DATA RECORD

T- 5857

Quadrangle (II):

Project No. (II):  
H. T. 242-F

Field Office: Tampa, Fla.

Chief of Party: K. G. Crosby

Compilation Office:  
Tampa, Fla.

Chief of Party: K. G. Crosby

Instructions dated (II III):  
Apr. 3, 1940Copy filed in Descriptive  
Report No. T- (VI)

Completed survey received in office: ✓

1/44

Reported to Nautical Chart Section: ✓

2/26/44

Reviewed: 6/45

Applied to chart No.

Date:

Redrafting Completed: ✓ 12/17/46

Registered: 9/47

Published: ✓ 2/27/47

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): Llano 1860

Lat.:

Long.:

Adjusted  
~~Unadjusted~~

26°51'00.514" (15.79m)

82°17'34.127 (942.19m)

State Plane Coordinates (VI):

X = 404,526.25 Y = 914,818.69  
 ? Florida west zone ?

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
4267	12/14/39	12:49	1:10,000	+0.2
4267	12/14/39	12:50	"	+0.2
4342	12/19/39	10:34	"	+0.25
4343	"	10:35	"	+0.25
4344	"	10:36	"	+0.25
4388	"	11:47	"	+0.2
4389	"	11:48	"	+0.2
4390	"	11:49	"	+0.2
4391	"	11:50	"	+0.2

Tide from (III): S. Boca Grande Ref: Tampa Bay.

Mean Range: 1.0'

Spring Range: 1.3'

Camera: (Kind or source) U.S.C.&G.S. 9 lens (8 $\frac{1}{4}$ " Focal length)

Field Inspection by: H. A. Duffy, Prin. Photo. Aid  
L.C. Bonham, (Jr. Photo. Eng. date: Aug. 1943

Field Edit by:

date:

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

Projection and Grids ruled by (III) Washington office: 12/10/43

" " " checked by: " " date: 12/10/43

Control plotted by: Ben O. Bryant, Sr. Photo Aid date: 12/18/43

Control checked by: J. Collins, Photo Aid date: 12/20/43

Radial Plot by: Tampa Office Personnel date: 12/24/43

Detailed by: Ben O. Bryant, Sr. Photo Aid date: Jan. 1944

Reviewed in compilation office by: F. H. Elrod  
Prin. Photo Aid. date: Jan. 1944

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): 20

Shoreline (Less than 200 meters to opposite shore): 11.7

Number of Recoverable Topographic Stations established: 3

Number of Temporary Hydrographic Stations located by radial plot: 2

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-5857

### CONTROL

Eighteen triangulation stations appear within the tracing limits of this sheet. Only sixteen of these stations were used in radial plot, due to the fact these stations are U.S.E.D. Traverse stations and this office could not obtain the positions of two of these stations at the time the radial plot was run, namely (AXIS CUT VG 1938) (AXIS CUT VH 1938). Later the positions of these two stations were obtained and were plotted on survey sheet by draftsman and were found to be in very good agreement with detail and other stations near by.

Station 1002 + 90 - 400' offset could not be held in main radial plot. The radial line intersection obtained in radial plot on this station was seven meters north of the plotted position. Therefore this intersection was held in cutting in additional radial points by the draftsman.

A discussion of this station is included in the Main Radial Plot, which has been made a part of description report for Sheet T-5879.

### MAIN RADIAL PLOT.

The discussion of the radial plot which included this sheet has been made a part of descriptive report of sheet T-5879.

### DETAILING

The detailing of this sheet has been done according to the current instructions for this project. The photographs used in detailing this sheet were generally clear, and the scale was found to be reasonably good. The field inspection notes were plentiful throughout the sheet. The photographs that were used in main radial plot are shown on sheet, however, there was another flight of photographs available, namely photographs number 4388, 4389, 4390, 4391, these photographs also were used by the draftsman in detailing this sheet.

### SUPPLEMENTAL DATA

There was no supplemental data available for comparison with this sheet.

### LAND MARKS AND AIDS TO NAVIGATION

There were no landmarks or Aids to Navigation to be shown on this sheet.

### HYDROGRAPHIC CONTROL

Only two unmarked hydrographic stations, bearing a short description appear within the limits of this sheet. The following marked hydrographic stations appear on this sheet and can be recovered for use by the hydrographic party.

Station	Date	Est. by.
SAM	1943	K. G. Crosby
NIP	"	"
POX	"	"

### COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

There were no topographic quadrangles of this area available for comparison with this sheet.

15766  
853

### GEOGRAPHIC NAMES

A special report on Geographic Names under the title, Florida West Coast, Charlotte Harbor, Gasparilla Sound, Miakka River, and Peace River was submitted by Lawrence C. Bonham, Jr. Photogrammetric Engineer, to the Washington office November 1, 1943.

814  
15766

### COMPARISON WITH NAUTICAL CHARTS

A comparison was made with U.S.C. & G.S., Estero Bay to Lemon Bay, Chart No. 1255. The shoreline on the west side of Knight Island and Bocilla Island is continually changing as is noted by the time of photographs were taken and time of field inspection. This is believed to be caused by storm tides.

Knight Pass and Bocilla Pass at the time field inspection was done were found to be completely closed by 100 meters or more and have a fast shoreline on both East and West shores.

There were no other discrepancies that could be found due to the large scale differences of these sheets. This compilation should supersede the charted information.

Respectfully submitted,

*Ben O. Bryant*

Ben O. Bryant,  
Sr. Photo. Aid.

Forwarded by:

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

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- Gold  
 - Cypress and  
 - Involvement and

405711

[illegible]

En: 24

- 7 - House, barn or building
- 8 - Church (give name)
- 9 - Court house (give name)
- 10 - Post Office
- 11 - Post Office (give name)
- 12 - Railroad Station (give name)
- 13 - Hospital (give name)
- 14 - School (give name)

2023.11.10

- Name
- Line to be retained
- First name (if known)
- Second name
- Third name (if known)
- Approx. date by last record
- Line for use by highway
- Line tower
- Transmission tower (if above)
- Over line



# GEOGRAPHIC NAMES

Survey No. T-5857

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	
✓ Florida								USCB	1	
✓ Gulf of Mexico									2	
✓ Gasparilla Sound			(for title only: none of it here)						3	
✓ Seaboard Air Line									4	
✓ Fla. No. 173									5	
									6	
✓ Lemon Bay									7	
✓ (New Pass) Stump Pass									8	
✓ Knight Pass		(closed)							9	
✓ Knight Island									10	
✓ Thornton Key										
✓ Bocilla Pass		(closed)							11	
✓ Bocilla Island									12	
✓ The Cutoff									13	
✓ Buck Creek									14	
✓ Lemon Creek									15	
✓ Kettle Harbor									16	
✓ Rambler Hole									17	
✓ Coral Creek		(preferable to omit (West Prong) and East Prong) )							18	
✓ Petersons I.									19	
✓ Grove City Key									20	
									21	
									22	
									23	
									24	
									25	
									26	
									27	

Names underlined in red approved  
by L. Heck on 9/26/46

## NAUTICAL CHARTS BRANCH

SURVEY NO. T-5857

### 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.

Division of Photogrammetry

Review of Planimetric Map T-5857

Field Inspection and Detailing.

These were generally satisfactory. Some changes in details were necessary during the review, principally in the islands and shoreline of Coral Creek.

Comparison with Previous Surveys.

T-5857 supersedes those sections of the following older surveys which it covers:

T-853	1:20,000	1860
T-1518b	1:20,000	1883

There have been so many changes in the area that only a general comparison with the older surveys could be made.

Comparison with Chart 1255.

T-5857 was applied to chart 1255. There is some confusion of dates and it is not known definitely whether this application was made just before or just after review. In any case, changes made by the review are shown in red on the manuscript and the only changes of consequence to the chart are in Coral Creek.

Reviewed under the direction of R. M. Berry, June 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

[Signature]  
Chief, Nautical Chart Br.  
Division of Charts

E. G. Jones 11 Sept 47  
Acting Chief, Div. of Photogrammetry

[Signature]  
Chief, Div. of Coastal  
Surveys