

Orig. W.O.

5855

Diag'd. on diag. ch. No. 1256

5855

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	Air Photo Compilation
Field No.	Office No. T-5855
LOCALITY	
State	Florida
General locality	Florida West Coast
Locality	Lemon Bay
Date Photo:	Dec 13, 19, 1939
	1944
CHIEF OF PARTY	
Comdr. Ray L. Schoppe	
LIBRARY & ARCHIVES	
DATE	Sept 19 - 1947

DATA RECORD

T-5855

Quadrangle (II): T-5855

Project No. (II): HT 242 F

Field Office: Tampa, Fla.

Chief of Party: Ray L. Scheppe

Compilation Office: Tampa, Fla.

Chief of Party: Ray L. Scheppe

Instructions dated (II III): 4/3/40

Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office:

7/21/44

Reported to Nautical Chart Section:

8/21/44

Reviewed: 9/45

Applied to chart No.

Date:

Redrafting Completed:

6/17/46

Registered: 8/47

Published:

10/3/46

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): WEST BASE 1938

Lat.: 27°00'37.1309"
(1142.7 M)Long.: 82°24'42.3775"
(1168.3 M)Adjusted
~~Unadjusted~~

State Plane Coordinates (VI):

X =

Y =

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>
4337	12/19/39	10:28	1:10,000	+ .1 ft.
4338	"	10:29	"	+ .1 ft.
4339	"	10:30	"	+ .1 ft.
4260	12/13/39	11:38	"	+ .2 ft.
4261	"	11:39	"	+ .2 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 8 $\frac{1}{2}$ " focal length

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) BRC & PJH

date: 1/7/44

" " " checked by: BRC & HFN

date: 1/8/44

Control plotted by: B. O. Bryant

date: 4/20/44

Control checked by: E. E. Gray

date: 4/21/44

Radial Plot by: Tampa Office Personnel

date: 5/23/44

Detailed by: E. A. Worrell, Asst. Eng. Dman.

date: May & June, 1944

Reviewed in compilation office by: J. A. Giles

date: 7/1/44

Elevations on Field Edit Sheet
checked by:

date:

STATISTICS (III)

Land Area (Sq. Statute Miles); 10.4

Shoreline (More than 200 meters to opposite shore); 19 1/2

Shoreline (Less than 200 meters to opposite shore); 8.1

Number of Recoverable Topographic Stations established; 2

Number of Temporary Hydrographic Stations located by radial plot; 0

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;

COMPILATION REPORT
To Accompany
SHEET NO. T-5855

26. CONTROL

There are 21 triangulation stations within the tracing limits of this sheet. All were held in the main radial plot and while establishing the additional radial points.

27. RADIAL PLOT

Reference is made to Sheet No. 5853, for a discussion of the radial plot of which this sheet is a party.

28. DETAILING

The photographs used in detailing this sheet were generally clear and of fair scale. The field inspection was adequate to insure accurate detailing. A part of a second class road on the west side of the Lemon Bay, near Manasota Bridge, was taken from the War Mapping Sheet No. T-8410, scale 1:20,000, since it does not appear on the photographs used in the detailing of this sheet. All of the road could not be taken from the War Mapping Sheet because it ran out of the limits of the project. The complete road will be found on the photographs (scale 1:20,000) used in detailing Sheet No. T-8410 of Project 290.

29. SUPPLEMENTAL DATA

Sheet T-8410, scale 1:20,000, was used to supplement the photographs and the field inspection.

30. M. H. W. LINE

The mean high water line was delineated from chained distances furnished on the field prints by the field inspector. This was due to the shoreline changes wrought in the interim between the date of the photographs and that of the field inspection. *Field inspection Jan 1944.*

31. LANDMARKS AND AIDS TO NAVIGATION

There are no landmarks or aids to navigation within the limits of this sheet.

35. HYDROGRAPHIC CONTROL

There are 2 marked stations within the limits of this sheet which can be recovered for future use by the hydrographic party. These stations are--FEB, 1944 and JOH, 1944.

37. GEOGRAPHIC NAMES

Geographic names for this compilation have been covered in a report submitted to the Washington Office by Jack W. Stingley, Jr. Topo. Engr. This report is a part of Project CS 290, instructions dated November 16, 1942.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

A comparison was made with a photostatic print of Sheet No. T-8410, scale 1:20,000. The detail was found to be in good agreement except for a road shown on Sheet T-8410 that had been added since the date of the photographs from which Sheet T-5855 was compiled.

45. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with U. S. Coast & Geodetic Survey Nautical Chart No. 1256, scale 1:80,000, published May 1928, reissued in October, 1938. Due to the scale difference an accurate comparison could not be made; however, there appeared to be no major changes in shoreline.

Respectfully submitted,

E. Alberta Worrell

E. Alberta Worrell,
Asst. Engr. Draftsman.

Forwarded by:

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

Division of Photogrammetry
Review of Planimetric Map T-5855

Radial Plot.

This is discussed in descriptive report T-5853. The plot was well controlled and has been accepted without checking in the Washington Office.

Field Inspection and Detailing.

These were adequate and practically no changes were necessary during the review. One triangulation station was added to the manuscript.

Comparison with Nautical Charts.

T-5855 has not been applied to the chart at the date of the review.

Comparison with Previous Topographic Surveys.

T-1518a 1:20,000 1883

There have been many minor changes but the general configuration of the shore is about the same. T-5855 supersedes the older survey over the common area.

Reviewed under the direction of R. M. Berry, September, 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. Dutton
Chief, Nautical Chart Branch
Division of Charts

E. J. Jones 18 Sept 47
Acting Chief, Div. of Photogrammetry

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