

8597

1248-2

8597

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	PHOTOGRAMMETRIC SHORELINE SURVEY
Field No.	Office No. T-8597
LOCALITY	
State	Florida
General locality	East Coast
Locality	Miami and Biscayne Bay
194	
CHIEF OF PARTY	
LIBRARY & ARCHIVES	
DATE Jan 19 - 1949	

DATA RECORD

T- 8597

Quadrangle (II):

Project No. (II): 312 - B

Field Office: Tampa

Chief of Party: Lt. Comdr. G. E. Morris, Jr.

Compilation Office: Tampa

Chief of Party: Lt. Comdr. R. A. Gilmore

Instructions dated (II III):

21 October 1946

Copy filed in Descriptive

Report No. T- (VI)

Division of Photogrammetry
Office Files

Completed survey received in office:

June 3, 1946

Reported to Nautical Chart Section:

Reviewed: August 8, 1946 Applied to chart No.

Date:

Redrafting Completed:

Registered: ^{December} 8 November 1948

Published: Not to be published

Compilation Scale: 1:10,000

Published Scale:

Scale Factor (III): 1.0

Geographic Datum (III): N.A. 27

Datum Plane (III): Mean High Water

Reference Station (III): Power, 1935

Lat.: 25° 45' 45.857" ^{meters} (1411.1) Long.: 80° 14' 11.10" ^{meters} 13401 (282.4) ^{Adjusted}
~~Unadjusted~~

State Plane Coordinates (VI): Florida East Zone

X = 751,398.24 feet

Y = 520,163.39 feet

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
45C-1553	3-9-45	10:37	1:10,000	0.2' above M.B.W.
45C-1554	"	10:37	1:10,000	0.2' above M.L.W.
45C-1557	"	10:37	1:10,000	0.2' above M.L.W.
45C-1625	"	11:33	1:10,000	0.1' above M.L.W.
45C-1626	"	11:33	1:10,000	0.1' above M.L.W.

Tide from (III): Reference Station - Mayport, Florida - with corrections to Miami, Yacht Basin, Biscayne Bay.

Mean Range: 2.0' Spring Range: 2.4'

Camera: (Kind or source) U.S.C. & G.S. 6" focal length

Field Inspection by: [Refer to T-8433
H.A. Duffy 8434
G.E. Varnados 8435]

date: Dec. 1945

Field Edit by: John D. Weiler
(on above three surveys)

date: Jan. - Feb. 1947

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

Projection and Grids ruled by (III) *See Descriptive Report T-5628* date:

" " " checked by: date:

Control plotted by: date:

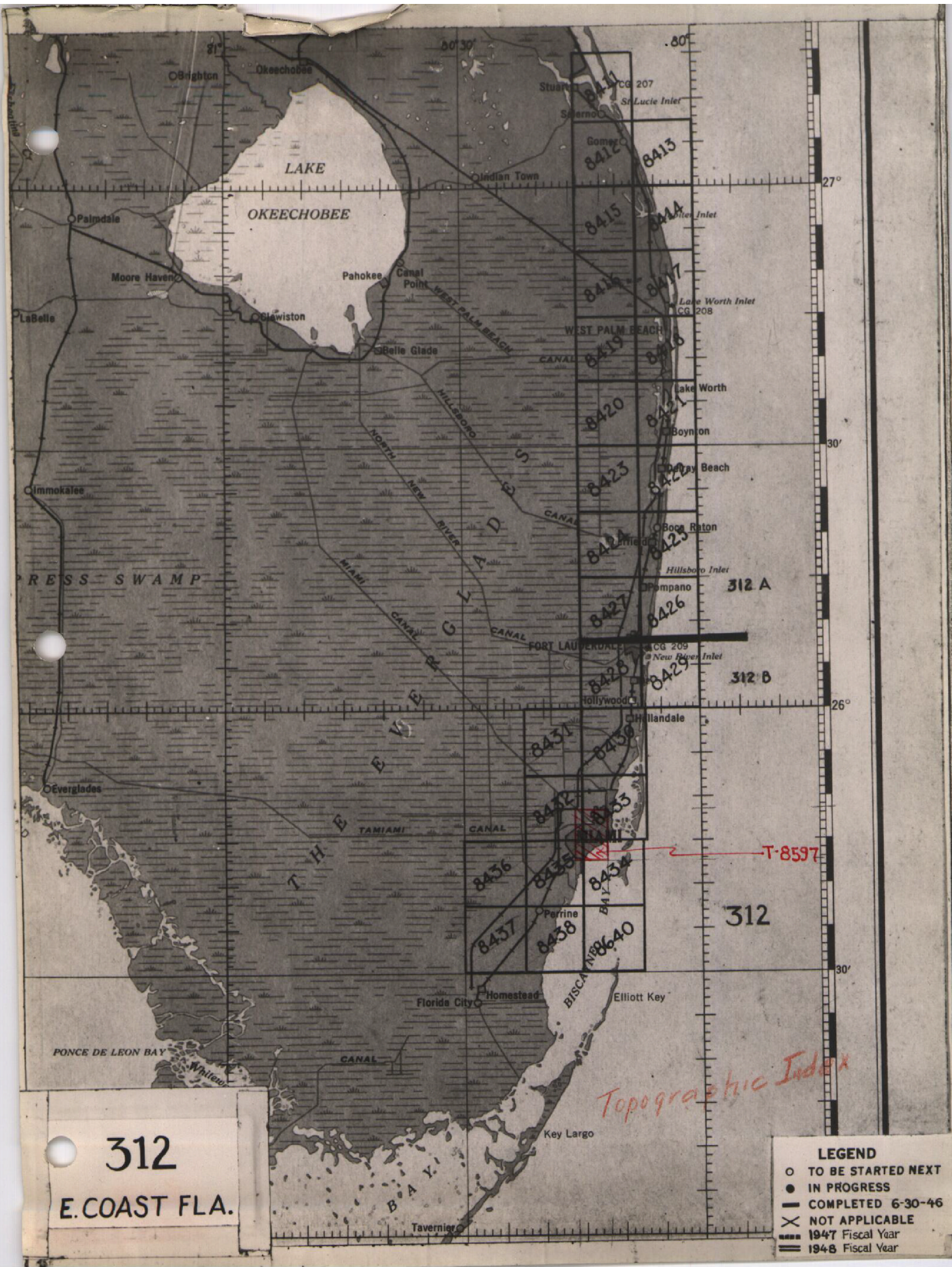
Control checked by: date:

Radial Plot by: date:

Detailed by: date:

Reviewed in compilation office by: date:

Elevations on Field Edit Sheet
checked by: date:



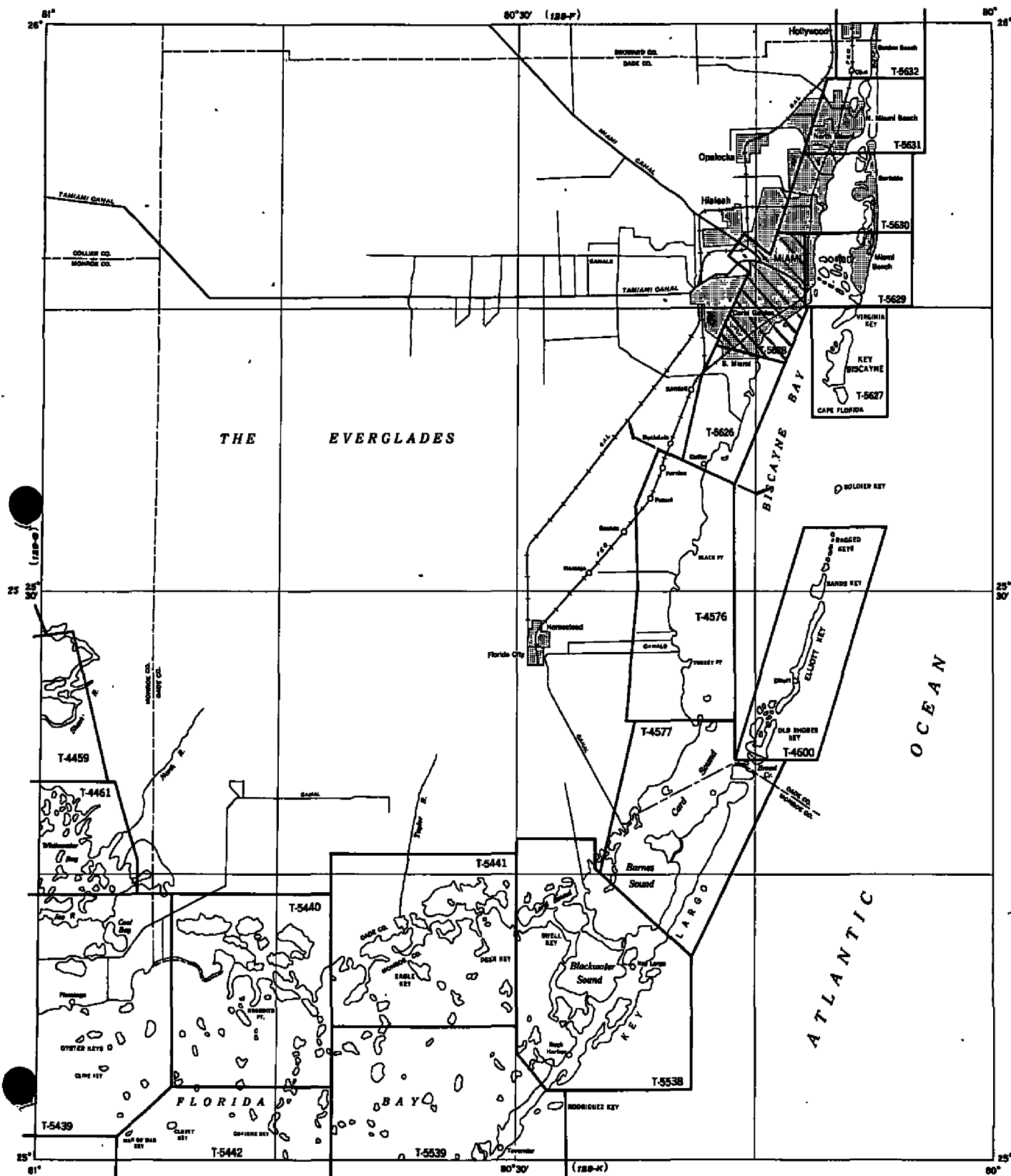
312
E. COAST FLA.

- LEGEND**
- TO BE STARTED NEXT
 - IN PROGRESS
 - COMPLETED 6-30-46
 - ✕ NOT APPLICABLE
 - 1947 Fiscal Year
 - 1948 Fiscal Year

FLORIDA

DEPARTMENT OF COMMERCE
U. S. Coast and Geodetic Survey
Washington, D. C.

PLANIMETRIC INDEX 129-H



These maps are without contours and were
compiled from air photographs
SCALE: 1:20000 or 1:10000

Price 75c each

PHOTOGRAMMETRIC (SHORELINE) SURVEY T-8597
Project CS-312
January 14, 1946

This shoreline survey is essentially a revision of the shoreline details on planimetric map T-5628. Revised details are shown in red on the manuscript and were compiled from photographs taken March 9, 1945 and field inspection of ~~September~~^{December} 1945.

The field inspection and office compilation were accomplished by the Tampa Photogrammetric Office under supplemental instructions for project CS-312-B, dated August 4, 1945. Project CS-312 is a topographic mapping project for the production of 7½-minute topographic quadrangles. The layout of the topographic maps to be produced on this project is shown on the enclosed topographic index. These topographic maps will be published at scale 1:25,000 and will supersede for publication the planimetric maps now existing in the same area. The existing planimetric maps are shown on the enclosed planimetric indexes 129-F and 129-H.

With reference to the planimetric maps now existing within the limits of project CS-312, maps Nos. T-5626 to T-5633 are modern and accurate planimetric base maps at scale 1:10,000. The instructions for project CS-312 call for the revision of shoreline details on these sheets so that the larger scale information will be available for future hydrographic investigation and for nautical chart compilation and correction. T-5626 is one of this group of maps to be revised at the Tampa Office.

Field Inspection:

Field inspection was accomplished in ~~September~~^{December} 1945 using 1:10,000 scale ratio prints of photographs Nos. 45-C-1553, ~~to~~⁵⁸⁴⁴ 1557, inclusive and 45-C-1625 and 45-C-1626.

The outside mean high water line was inspected after the September 15 hurricane as indicated by notes on the field inspection photographs.

Field inspection was accomplished by a field party of the Tampa Photogrammetric Office, Lieut. Comdr. J. C. Rose in charge.

Compilation:

The manuscript consisted of a black print of planimetric map T-5628 on cellulose acetate. Shoreline corrections and additions were made in red on this print from the 1:10,000 scale single lens ratio prints and from the field inspection notes. These corrections include the mean high water line, offshore details, and along shore buildings.

Review and Smooth Drafting:

Since this revision of planimetric map T-5628 is essentially a new shoreline survey with field inspection in ~~September~~ ^{December} 1945, it is being given a new number and filed as Shoreline Survey T-8597. It will be reviewed in this office as a new survey.

In the process of drafting and reproduction, the inshore planimetric details not covered by field inspection and not revised will be painted off or eliminated. The new sheet will then be printed and filed in the vault. It will not be published.

B. G. Jones

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

* This area will also be covered by topographic
quadangles T-8432, T-8433, T-8434 and
T-8435 which are in progress.

Review of Photogrammetric Survey T-8597
Division of Photogrammetry

Radial Plot.-Since T-8597 is essentially a revision of the shoreline of the existing planimetric map T-5628, compiled from aerial photographs dated 25 January 1935, a new radial plot was unnecessary.

Five 1:20,000 photographs, 45-C-1553, 45-C-1554, 45-C-1557, 45-C-1625 and 45-C-1626, dated 9 March 1945 and ratioed to 1:10,000 were orientated by holding to the existing detail.

Detailing.-During this review the revision of detail was verified with the field inspection photographs and minor additions were made to the manuscript in green ink. These additions included data from the field inspection photographs and that portion of the shoreline which had been designated by mangrove symbols only on the original planimetric map T-5628. Detailing, inshore of the navigable waterways and west to the limits of this survey, has been brought up to the date of the photographs.

Field Inspection.-This work was accomplished during December, 1945. Additional field inspection is contemplated in connection with Project 312-B. However, the field inspection is adequate to serve the purpose of this survey.

Comparison with Previous Topographic Surveys.-T-8597 supercedes those sections of the following previous surveys which it covers: *(contours excepted)* *

T-336	1:20,000	1851
T-3758	1:20,000	1919
T-3759	1:10,000	1919
T-4528	1:20,000	1928
T-4540	1:20,000	1928
T-5628	1:10,000	1935
T-5629	1:10,000	1935
T-6275	1:10,000	1935

Comparison with Nautical Charts.-In comparing the manuscript of T-8597 with nautical charts 583, 848, and 1248 covering the same area, no important differences have been noted:

Reviewed by:

Under the direction of:

L. M. Gazik
L. M. Gazik *K.H.M.*
8 August 1946 *12/4/48*

K.M. Maki for
S. V. Griffith *K.H.M.*
Chief, Review Section

APPROVED BY:

B.A. Jones 1/49
Tech. Asst. to the Chief
Division of Photogrammetry

H. Edmonston
Chief, Nautical Chart Branch
Division of Charts

K.T. Adams
~~Acting~~ Chief, Division
of Photogrammetry

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

FIELD EDIT REPORT

PHOTOGRAMMETRIC SHORELINE SURVEY

T-8597

PROJECT CS-312-B

The field edit of this sheet was made during January and February 1947 by John D. Weiler, Photogrammetrist.

46. METHODS

In field editing the map manuscript, the shoreline area in the southeast portion of the quadrangle was inspected by small boat. The area along the Miami River was also inspected by boat. Data added to the map manuscript was either plotted from topographic features or cut in by planetable methods.

47. ADEQUACY OF THE MAP MANUSCRIPT

The map manuscript was adequate and complete except for a few changes made since the date of the original field inspection, and details omitted during the inspection. The southeast portion of the map manuscript falls within quadrangle T-8434, and corrections have been made on the doubleweight copy of the map manuscript for T-8434. For corrections in that area refer to quadrangle T-8434.

The canal questioned as navigable in the southwest portion of the quadrangle is navigable only to U.S. Highway #1 and therefore requires no bridge data.

Bridge clearances in question have been checked and the corrected measurements are listed in accompanying form.

Vertical clearances were obtained from the line of demarkation indicated by marine growths and markings found on bridge pilings, denoting high water, rather than actual water surface measurements, since there is no tidal reference station up the Miami River and any tide curve computed would only be theoretical.

Attention is called to the flood gates and lock on the Miami River at 36th street, which should be added to the map manuscript.

A number of fixed aids to be added to this sheet have been included in the list, Form 567, submitted with Quadrangle T-8434.

*See Chart
#280 (1947)*

John D. Weiler
John D. Weiler
Photogrammetrist

Approved and Forwarded

Roas A. Gilmore
Roas A. Gilmore
Chief of Party

Correction Report of
Shoreline Map Manuscript T-8597

The field edit corrections and other corrections shown in purple ink ^{on the manuscript} were made after the blue line plates had been made. A new color was chosen to distinguish these corrections from others. Field Edit corrections for T-8433, T-8434, and T-8435 have all been applied to this manuscript. T-8597 is now consistent with the topographic surveys.


Jack Rihn March 24, 1948

GEOGRAPHIC NAMES

Survey No.

T-8597

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

Biscayne Bay

"

2

Miami

"

3

Florida East Coast

4

Seaboard

(not Seaboard Air Line)

5

6

The Moorings

7

Coral Gables

8

Coral Gables Canal

Coconut Grove

USGB

9

Coconut Grove Bay Front Park

10

Dinner Key

11

Dinner Key Channel

12

U.S. Coast Guard Air Station

13

Biscayne Bay Yacht Club

14

Fair Isle

15

Mercy Hospital

16

Villa Vizcaya (James M. Deering Estate)

17

Deering Channel

18

Rickenbacker Causeway

19

Miami River

20

South Fork Miami River

21

North Fork Miami River

22

Comfort Canal

23

Tamiami Canal

24

Miami Country Club Golf Course

Names underlined in red are approved. 6/10/48

25

Hialeah

26

27