

8594

Diag. on Diag. Ch. No. 1248-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey **Photogrammetric
Shoreline Survey**

Field No. _____ Office No. **T-8594**

LOCALITY

State **Florida**

General locality **East Coast**

Locality **North Miami Beach and**

Vicinity

194 5

CHIEF OF PARTY

Lt. Comdr. J. C. Bose

LIBRARY & ARCHIVES

DATE **Aug 8 - 1946**

B-1870-1 (1)

DATA RECORD

T- 8594

Quadrangle (II): ~~XXXXXX~~

Project No. (II): 312

Field Office: Tampa

Chief of Party: Lt. Comdr. J.C. Bose
~~XXXXXX~~

Compilation Office: Tampa

Chief of Party: Lt. Comdr. J.C. Bose

Instructions dated (II III):
August 4, 1945 - Supplemental
Instructions, Project 312-BCopy filed in Descriptive
Report No. T- (VI)

Completed survey received in office:

Sub January 1946Reported to Nautical Chart Section, *Sub* January 1946Reviewed: *March 1946* Applied to chart No.

Date:

Redrafting Completed:

not redrafted

Registered: 5/46

Published: Not to be published

Compilation Scale: 1:10,000

Published Scale:

Scale Factor (III):

Geographic Datum (III): North American

Datum Plane (III): Mean High Water

Reference Station (III): Bridge, 1928

Lat.: 25°54' 08.996"
(276.8 meters)Long.: 80°07'22.339"
(621.8 meters)Adjusted
Unadjusted

State Plane Coordinates (VI): Not shown

X =

Y =

Military Grid Zone (VI) Not shown

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
450 1602	3-9-45	11:15	1:20,000 - 1:10,000	(ratio)
450 1603	3-9-45	11:15	1:20,000 - 1:10,000	"
450 1604	3-9-45	11:15	1:20,000 - 1:10,000	"

Tide from (III):

Mean Range:

Spring Range:

Camera: (Kind or source)

Field Inspection by:

date: September 1945
after hurricane of 9/15/45

Field Edit by: None

date:

Date of Mean High-Water Line Location (III): Date of field inspection,
September 1945, after hurricane of September 15, 1945

Projection and Grids ruled by (III) See Descriptive
Report of T-5631

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:

STATISTICS (III)

Land Area (Sq. Statute Miles);

Shoreline (More than 200 meters to opposite shore);

Shoreline (Less than 200 meters to opposite shore);

Number of Recoverable Topographic Stations established;

Number of Temporary Hydrographic Stations located by radial plot;

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:

Photogrammetry (Shoreline) Survey T-8594

March 4, 1946

This shoreline survey is essentially a revision of the shoreline details on planimetric map T-5631. Revised details are designated in red on the manuscript and were compiled from photographs taken March 9, 1945, and from field inspection of August and October 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-5625 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-5631 is one of the first of this group of maps to be revised at the Tampa Office.

Field Inspection:

Field inspection was accomplished in ^{August and October} ~~September~~ 1945, using 1:10,000 scale ratio prints of photographs Nos. 450-1602 to 450-1604, inclusive.

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, Lt. Comdr. J. C. Bose in charge.

Compilation:

The manuscript consisted of a black print of planimetric map T-5631 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:

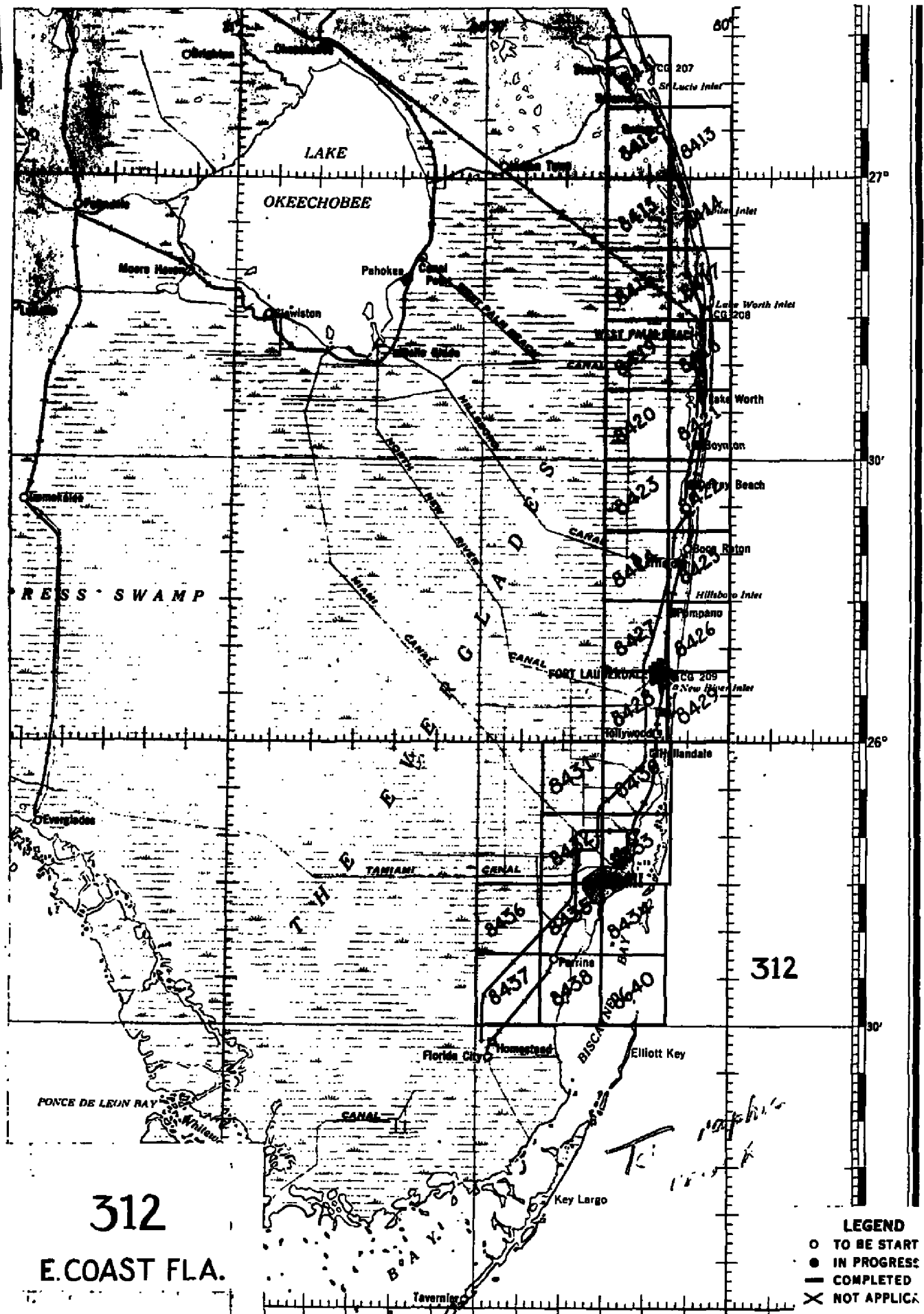
Since this revision of planimetric map T-5631 is essentially a new shoreline survey with field inspection in September 1945, it is being given a new number and filed as Shoreline Survey T-8594. It will be reviewed in this office as a new survey.

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, Division of Photogrammetry

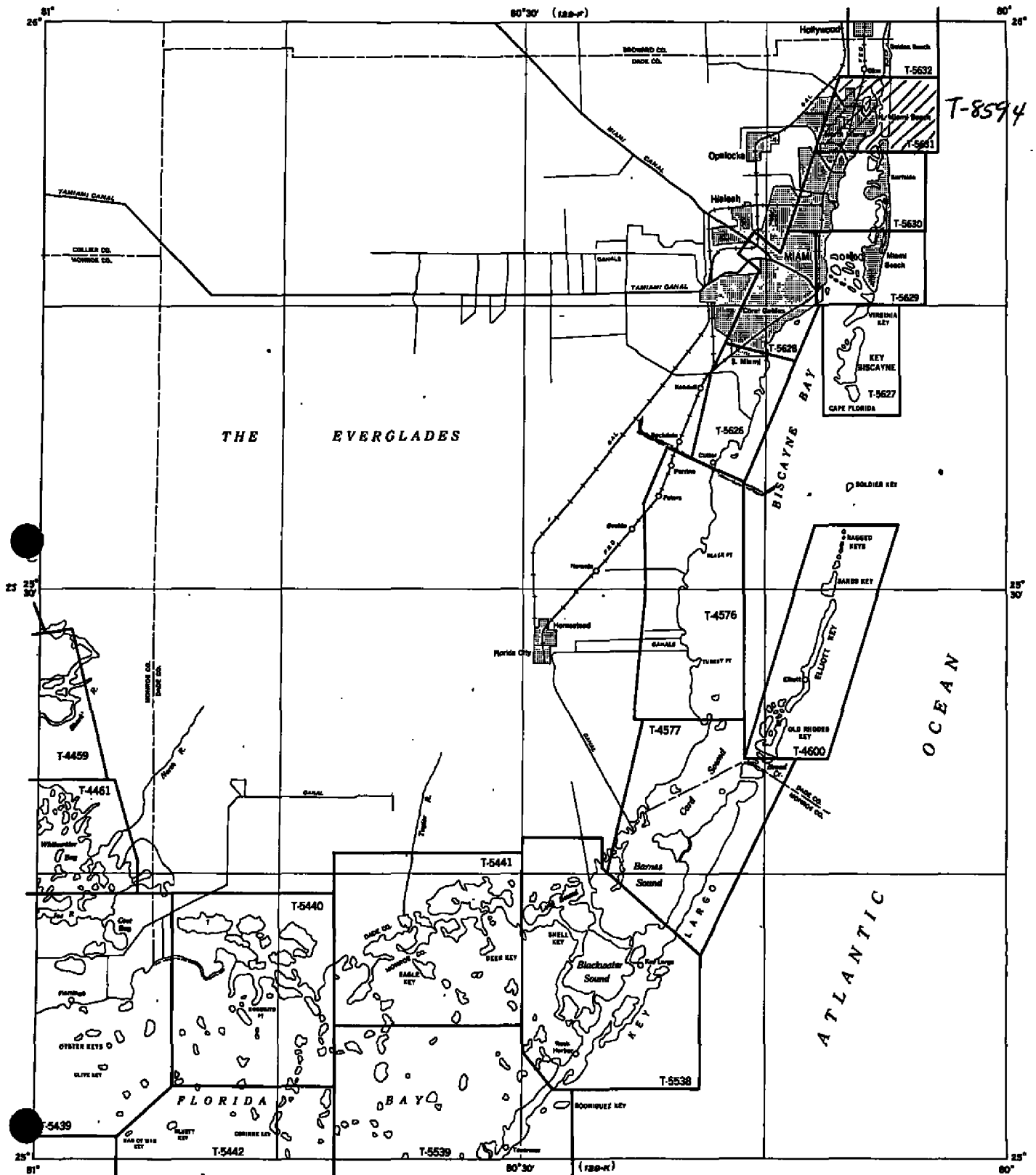
*This sheet was reproduced directly from the
manuscript and was not redrafted.*



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

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Sheet # 1

AIDS (NON FLOATING) to NAVIGATION

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

STRIKE OUT ONE

TO BE CHARTED
YES/BE/DELETED

1101 E. Broadway, Tampa, Fla. December 24, 1945

I recommend that the following objects which ~~have~~ *have not* been inspected from seaward to determine their value as landmarks, be charted on ~~the chart~~ the charts indicated.

The positions given have been checked after listing by J.A. Giles *J.A. Giles*

Note: Positions listed as arrived at by "radial plot method" were picked directly on the map manuscript, holding surrounding details for control. J.C. Bose, Lieut. Comdr. *J.C. Bose*

Chief of Party.

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION			DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE	LONGITUDE	D.M. METERS							
			0 1	0 1	0 1							
Lt. 65			25 56	1706	80 07	1017	NA	Radial Plot	Sept. 1945	X		Intracoastal 847
Bn 67			25 56	1440	80 07	1076	"	Sextant Fix	"			"
Bn 69			25 56	1206	80 07	1132	"	"	"			"
Lt. 70			25 56	1215	80 07	1197	"	Radial Plot	"			"
Bn 71			25 56	1032	80 07	1237	"	Sextant Fix	"			"
Bn 73			25 56	814	80 07	1374	"	"	"			"
Bn 74			25 56	734	80 07	1492	"	"	"			"
Lt. 75			25 56	543	80 07	1533	"	Radial Plot	"			"
Bn 1			25 56	362	80 07	1489	"	Sextant Fix	"			"
Bn 5			25 55	938	80 07	1327	"	Radial Plot	"			"
Lt. 7			25.55	641	80 07	1277	"	"	"			"
Bn 9			25 55	513	80 07	1200	"	Sextant	"			"
Bn 11			25 55	153	80 07	960	"	Fix	"			"

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. 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

Sheet # 2

NONFLOATING AIDS OR LANDMARKS FOR CHARTS
AIDS (NON FLOATING) TO NAVIGATION.TO BE CHARTED
~~TO BE CHARTED~~

STRIKE OUT ONE

1101 E. Broadway, Tampa, Fla. December 24, 1945

I recommend that the following objects which ~~have not~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(separate sheets)~~ the charts indicated.

The positions given have been checked after listing by

J. A. Giles *J. A. Giles**J. C. Bose*
J. C. Bose, Lieut. Comdr.

Chief of Party

STATE				DUMFOUNDLING BISCAINE BAY, EAST COAST FLORIDA										CHARTS AFFECTED		
CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART			
			LATITUDE		LONGITUDE		DATUM									
0	1	D. M. METERS		0	1	D. P. METERS		NA	Sextant	Sept. 1945	Intracoastal	847				
25	54	1669	80	07	923	"	"									
Bn 13			25	54	1254	80	07	927	"	"	"	"				
Bn 15			25	54	994	80	07	973	"	"	"	"				
Lt. 16			25	54	674	80	07	1115	"	"	"	"				
Bn 17			25	54	240	80	07	1412	"	"	"	"				
Bn 19			25	53	1665	80	08	39	"	"	"	"				
Bn 21			25	53	1434	80	08	194	"	"	"	"				
Bn 23			25	53	1091	80	08	439	"	"	"	"				
Lt. 25			25	53	725	80	08	693	"	"	"	"				
Bn 27			25	53	429	80	08	896	"	"	"	"				
Bn 29			25	53	123	80	08	1111	"	"	"	"				
Bn 31			25	55	103	80	07	1010	"	"	"	"				
Lt. 12																

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. 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.

Review of Photogrammetric Shoreline Survey T-8594

Division of Photogrammetry

Radial Plot.

Since T-8594 is essentially a revision of the shoreline of the existing planimetric map T-5631, compiled from aerial photographs dated 25 January 1935, a new radial plot was unnecessary.

Three 1:20,000 photographs, 450 1602 to 450 1604 inclusive, 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 with green acid 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-5631. Detailing, inshore of the navigable waterways and west of the limits of this survey, has been brought up to the date of the photographs.

Field Inspection.

This work was accomplished during August and October 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-8594 is complete and adequate to supersede those sections of the older surveys which it covers:

T-4527	1:20,000	1927
T-5631	1:10,000	1935

Comparison with Nautical Charts 847 and 1248.

T-8594 has not been applied to the charts prior to this review.

T-8594

This survey shows numerous small changes in physical and cultural features since the date of the last survey.

Reviewed by R. J. Tallman

Under the direction of S. V. Griffith

Approved by:

B. G. Jones 6/46
B. G. Jones, Technical Asst.
Div. of Photogrammetry

K. T. Adams
Chief, Div. of Photogrammetry

Robert W. King
Chief, Nautical Chart Branch
Division of Charts

C. F. Green
Chief, Div. of Coastal Surveys *agr*

GEOGRAPHIC NAMES

Survey No. T-8594

1	Name on Survey	A	B	C	D	E	F	G	H	K	
	The names on this sheet appear to have been taken principally from older planimetric sheet T-5631, which needs numerous corrections: following is complete list:										1
	<u>Atlantic Ocean</u> ✓										2
	<u>Florida</u> ✓									USGB	3
	<u>Intracoastal Waterway</u> ✓									"	4
	<u>Florida East Coast Railway</u> (formed used in Railway Guide) ✓										5
	<u>U.S. No. 1</u> ✓ (not Federal Highway)										6
	<u>State Nos. 146 A1A</u> ✓ (along outer coast)										7
	<u>270 826</u> ✓ (North Miami Beach to Sunny Isles)										8
											9
	<u>Surfside</u> ✓										10
	<u>Indian Creek</u> ✓ <u>Stet</u> ✓ (delete: north end is near lat. 25 51' or off this sheet)										11
	<u>Biscayne Bay</u> ✓									USGB	12
	<u>Arch Creek</u> ✓ (preferably place name near its mouth)										13
	<u>Bakers Haulover Cut</u> ✓ (add) (outlet to Ocean, lat. 25 54')										14
	<u>North Miami Beach</u> ✓ (town)										15
	<u>Sunny Isles</u> ✓										16
	<u>Maula Lake</u> ✓										17
	<u>Dumfoundling Bay</u> ✓ (not Dumbfoundling: USGB decision)										18
	<u>Biscayne Creek</u> ✓ (add) (from Dumfoundling Bay to Biscayne Bay) USGB										19
	<u>Oleta River</u> ✓										20
	<u>Ojus</u> ✓										21
	<u>Little Snake Creek</u> ✓										22
	<u>Royal Glades Canal</u> ✓ (add) (just S of Little Snake Creek: partly on this sheet)										23
	<u>Names of Sunny Isles</u> from T-5631:										24
	<u>Bella Vista</u> ✓										25
	<u>Atlantic Island</u> ✓										26

GEOGRAPHIC NAMES

Survey No. T-8594

2	Name on Survey	A	B	C	D	E	F	G	H	K	
	<u>Venetian View Island</u>										1
	Polynesian Royal Palm Island										2
	<u>Bay View Island</u>										3
											4
											5
											6
											7
	4/14/48: A revised list of names for this sheet, based on more recent names reports, was prepared on 11/24/47. It has not been placed in this										8
	descriptive report, so that the following names are to be added, plus corrections marked above in red:										9
	<u>BalaHarbour</u> (subdivision)										10
	<u>North Miami</u>										11
	<u>Miami Aviation Center</u>										12
	<u>Natural Bridge</u> (on Arch Creek)										13
	<u>Greynolds Park</u>										14
	<u>Sunny Isles Road</u> (State 826: former State 270)										15
	<u>Haulover Beach</u>										16
	<u>Fairyland Island</u> (one of Sunny Isles: small, next south of Bella Vista)										17
	<u>Bella Vista Bay</u>										18
											19
											20
											21
											22
											23
											24
											25
											26
											27

Names underlined in red approved by L. Heck on 7/16/48

4/14/48 L. Heck

M 234

Names underlined in red approved
by L. Heck on 7/26/46

4/14/48 L. Heck

FIELD EDIT REPORT

PHOTOGRAMMETRIC SHORELINE SURVEY T- 8594

PROJECT CS-312-B

The field edit of this quadrangle was completed during March and April, 1947 by John D. Weiler, Photogrammetrist.

46. Methods - The discrepancy print of this sheet was edited by driving along the Intracoastal Waterway. Since the area is essentially the same as covered by Quadrangle T-8430, most corrections have been made on the latter quadrangle. Specific discrepancy notations on T-8594 have been answered on T-8594. For additional corrections see the field edit sheet and field edit report for T-8430.

47. Adequacy of the Map Manuscript - The map manuscript was adequate and correct except for changes made since the date of the original field inspection.

Attention is called to the following items:

Bay Harbor Island has been completely changed(see T-8430).

There is a new bridge between Surfside and Bay Harbor

Island(see field edit report for Quad. 8430,"Bridges").

The bridge on Sunny Isles Road just east of U.S. Highway 1 has skiff clearances only.

Bridge Data requested on the Oleta River is shown on Photo C1571. The new bridge, however, on the Sunny Isles Road, is a governing factor and it is recommended that these bridges be shown with skiff clearances only.

Respectfully submitted,

John D. Weiler
John D. Weiler
Photogrammetrist

Approved and Forwarded

Ross A. Gilmore
Ross A. Gilmore 5/6/47
Chief of Party

SURVEY NO. T-8594

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.