

8592

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

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Photogrammetric
Type of Survey Shoreline Survey

Field No. _____ Office No. T-8592

LOCALITY

State Florida

General locality East Coast

Locality Fort Lauderdale-Port Everglades

194 5

CHIEF OF PARTY

Lieut. Comdr. J. C. Bose

LIBRARY & ARCHIVES

DATE

Aug 5 - 1946

B-1870-1 (1)

2500

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
45C 1578	3-9-45	10:50	1:20,000	
45C 1579	"	"	"	
45C 1580	"	"	"	
45C 1581	"	"	"	
45C 1582	"	"	"	
45C 1583	"	"	"	
45C 1584	"	"	"	
45C 1591	"	11:15	1:20,000-1:10,000	
45C 1592	"	"	"	"
45C 1593	"	"	"	"
45C 1594	"	"	"	"
Tide from (III);				
45C 1595	"	"	"	"
Mean Range;			Spring Range;	

Camera: (Kind or source)

Field Inspection by:

H.A. Duffy + Ben O. Bryant (T-8429)

date: Sept., 1945

Field Edit by: None

John D. Weiler (for overlapping quad F-8429)

date: May, 1947

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

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;

PHOTOGRAMMETRIC (SHORELINE) SURVEY T-8592
Project CS-312
January 14, 1946

This shoreline survey is essentially a revision of the shoreline details on planimetric map T-5633. Revised details are shown in red on the manuscript and were compiled from photographs taken March 9, 1945 and field inspection of September 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-5633 is the first of this group of maps to be revised at the Tampa Office.

Field Inspection:

Field inspection was accomplished in September 1945 using 1:10,000 scale ratio prints of photographs Nos. 45-C-1591 to 1595, inclusive, and ~~1:20,000 scale single lens photographs 45-C-1590 to 1593, 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, Lieut. Comdr. J. C. Bose in charge.

Compilation:

The manuscript consisted of a black print of planimetric map T-5633 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. The corrections extend up New River to its junction with Tarpon River.

Review and Smooth Drafting:

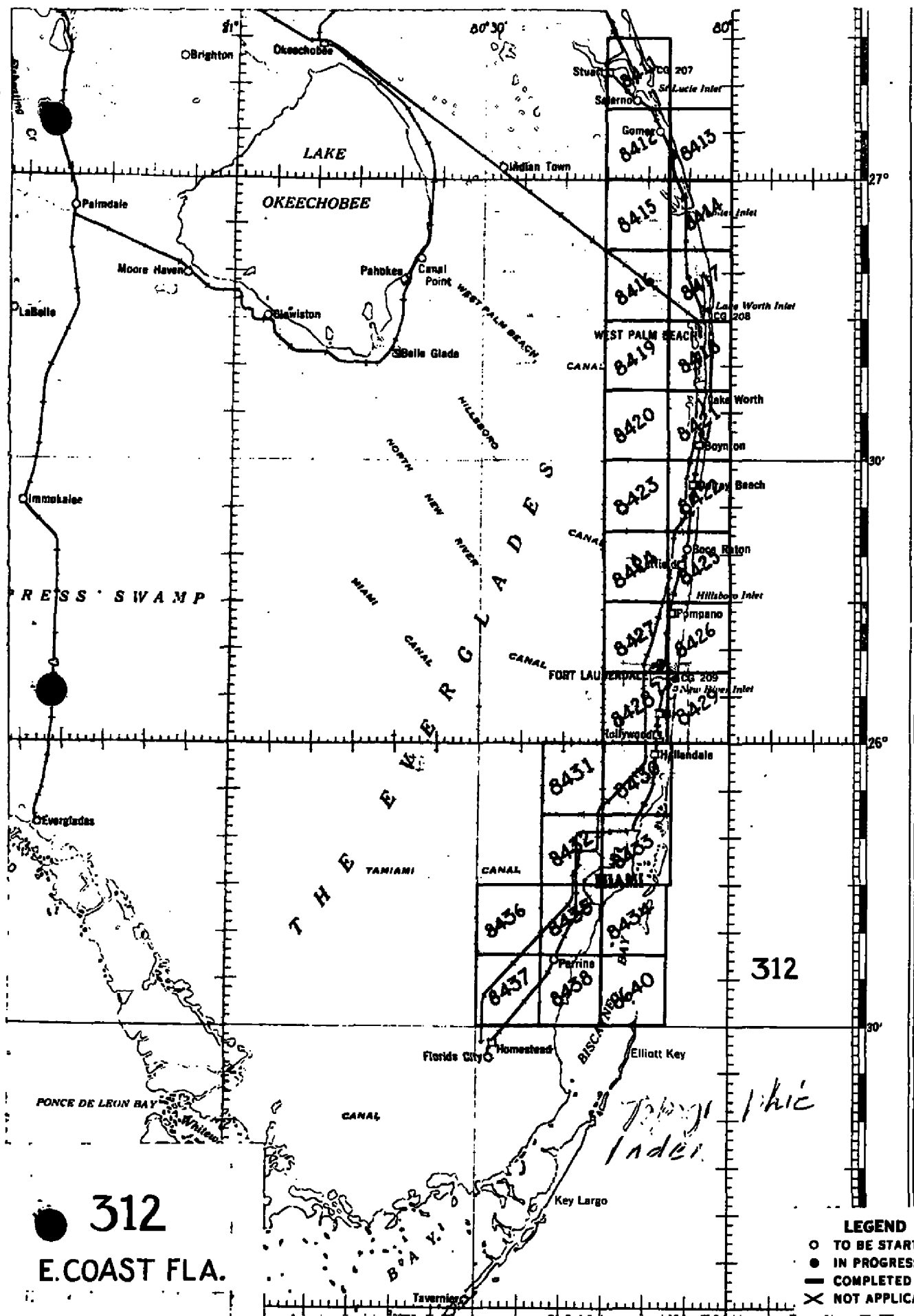
Since this revision of planimetric map T-5633 is essentially a new shoreline survey with field inspection in September 1945, it is being given a new number and filed as Shoreline Survey T-8592. It will be reviewed in this office as a new survey.

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.

The new sheet will not extend above approximate latitude $26^{\circ}07 \frac{3}{4}'$ since the field inspection and revisions do not extend above that latitude.

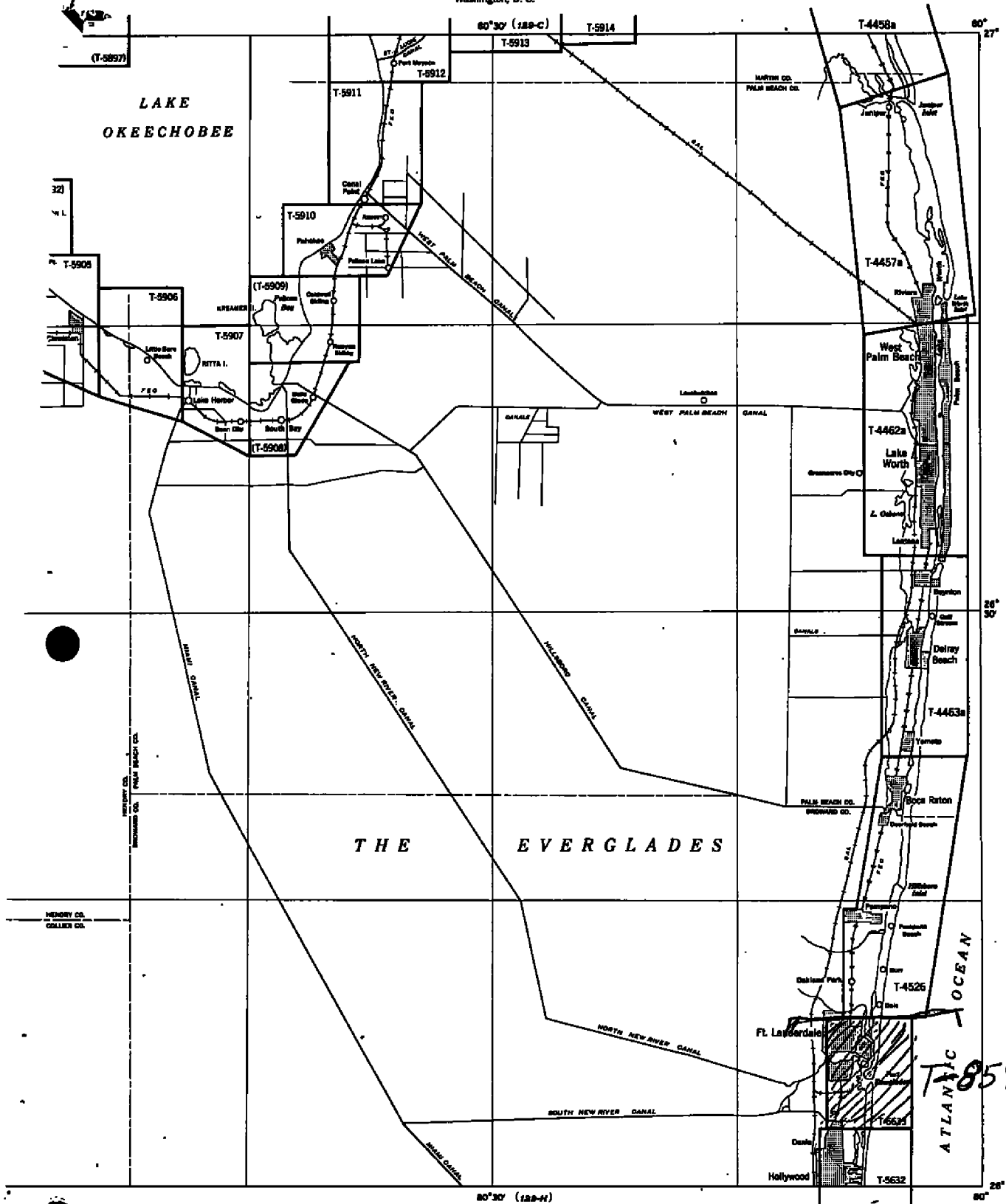
B. E. Jones

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



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

PLANIMETRIC INDEX 129-F



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

T-5906 Maps published

(T-5909) Maps to be published, but not yet completed.
Advance photographic copies are available

Price 75c each

ONCE AGAIN



DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
LANDMARKS FOR CHARTSAIDS (NON FLOATING) TO #1
NAVIGATIONTO BE CHARTED } STRIKE OUT ONE
~~TO BE CHARTED~~

1101 E. Broadway, Tampa 5, Fla. Dec. 18, 1945

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

The positions given have been checked after listing.

Note: Those positions whose method of location is shown as "Radial

Plot" were picked directly on field photographs-- Positions were

obtained by holding surrounding details.

LOCALITY PORT EVERGLADES, FLORIDA

Lieut. Comdr. J.C. Bose

Chief of Party

NAME AND DESCRIPTION	LATITUDE		LONGITUDE		DATUM	METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	0	1	D. M. METERS	0	1	D. P. METERS					
Light 16	27	07	1036	80	06	802	NA.	Radial Plot	Sept. 1945	X	546
Light 18	26	07	643	80	06	735	"	"	"	X	"
BN 19	26	07	49	80	06	810	"	Sextant	"	X	"
BN 21	26	06	1648	80	06	861	"	Fix	"	X	"
Light 24	26	06	1282	80	06	1053	"	"	"	X	"
BN 23	26	06	1202	80	06	1032	"	Radial Plot	"	X	"
BN 25	26	06	1174	80	06	1198	"	Sextant	"	X	"
Light 26	26	06	1223	80	06	1417	"	Fix	"	X	"
BN 27	26	06	1167	80	06	1431	"	Radial Plot	"	X	"
BN 29	26	06	1267	80	06	1643	"	Sextant	"	X	"
Light 31	26	06	1385	80	07	227	"	"	"	X	"
Light 33	26	06	1345	80	07	288	"	Radial Plot	"	X	"
BN 35	26	06	1224	80	07	306	"	Sextant	"	X	"

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.

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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY AIDS (NON FLOATING) #2
LANDMARKS FOR CHARTS
TO NAVIGATION

TO BE CHARTED } STRIKE OUT ONE
~~TO BE CHARTED~~ }
 1101 E. Broadway, Tampa 5, Florida Dec. 18, 19 45

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

The positions given have been checked after listing.

Lieut. Comdr J.C. Bose

GENERAL LOCALITY		NAME AND DESCRIPTION		POSITION						METHOD OF LOCATION		DATE OF LOCATION		HARBOR CHART		INSHORE CHART		OFFSHORE CHART		CHARTS AFFECTED	
				LATITUDE		LONGITUDE				DATUM											
				0	1	D. M. METERS	0	1	D. P. METERS												
Bn 55				26	03	1825	80	06	1435	N.A.	Radial Plot		Sept. 1945		X	X					546
Bn 57 <i>Identification doubtful. To be verified at later date</i>				26	03	1314	80	06	1435	"	"		"		X	X					847
Dolphin (N.W.)				26	05	1149	80	06	1086	"	"		"		X	X					"
Dolphin (N.E.)				26	05	1149	80	06	980	"	"		"		X	X					"
Dolphin (S.W.)				26	05	1037	80	06	1088	"	"		"		X	X					"
Bn Blk				26	06	1593	80	06	841	"	Sextant Fix		"		X	X					"
Bn Blk				26	06	1548	80	06	732	"	"		"		X	X					"
Bn Blk				26	06	1548	80	06	691	"	"		"		X	X					"
Bn Red				26	06	1548	80	06	864	"	"		"		X	X					"
Bn Red				26	06	1498	80	06	699	"	"		"		X	X					"
Lt. 4 (Approx)				26	05	1180	80	06	238	"	"		"		X	X					"
Lt. 3 (Approx)				26	05	1014	80	06	237	"	"		"		X	X					"

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.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEYAIDS (NON FLOATING) # 3
TO NAVIGATION

LANDMARKS FOR CHARTS

TO BE CHARTED }
~~TO BE CHARTED~~ } STRIKE OUT ONE

1101 E. Broadway, Tampa, Fla. December 18, 1945

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

The positions given have been checked after listing.

Lieut. Comdr. J. C. Boso

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION						METHOD OF LOCATION	DATE OF LOCATION	CHARTS AFFECTED		
		LATITUDE		LONGITUDE		DATUM	HARBOR CHART			INSHORE CHART	OFFSHORE CHART	
		°	'	°	'							D. P. METERS
Bn 37		26 06	1016	80 07	338	NA	Sextant Fix.	Sept. 1945	X X		546 847	
Light 39		26 06	773	80 07	368	"	Radial Plot	"	X X		"	
Light 41		26 06	399	80 07	262	"	"	"	X X		"	
Bn 42		26 06	59	80 07	246	"	Sextant Fix	"	X X		"	
Light 44		26 05	1584	80 07	169	"	Radial Plot	"	X X		"	
Bn 45		26 05	1313	80 07	34	"	Sextant Fix	"	X X		"	
Light 8		26 05	1147	80 06	1625	"	Radial Plot	"	X X		"	
Light 7		26 05	1023	80 06	1585	"	"	"	X X		"	
Light 6		26 05	1149	80 06	910	"	"	"	X X		"	
Light 5		26 05	1035	80 06	910	"	"	"	X X		"	
Bn 47		26 05	883	80 06	1545	"	Sextant Fix	"	X X		"	
Bn 49		26 05	628	80 06	1472	"	"	"	X X		"	
Light 51		26 05	347	80 06	1382	"	Radial Plot	"	X X		"	

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.

Review of Photogrammetric Shoreline Survey T-8592

Division of Photogrammetry

Field Inspection.

Field inspection was adequate.

Detailing.

This sheet was revised by application of recent photographs (March 9, 1945) with field inspection made after the hurricane of September 5, 1945. Corrections of detail were made by "holding to" existing detail. This shoreline has been subject to extensive change due to natural processes of wind, tidal and current action as well as by man-made construction in the area. Two regions have been especially changed in recent years. These are the area including Port Everglades where new construction had greatly enlarged the port facilities, and the other area of important change is in the vicinity of old Nees River Inlet. Here the inlet has been completely closed and a road now connects what were formerly two separate detached bars. In other areas shoreline changes are for the most part minor in nature.

Sheet Limits.

This shoreline survey does not extend above approximate latitude $26^{\circ}07'45''$, as shown on the printed copy. For details above this limit, see T-5633 and T-8426.

This area will also be covered by new topographic quadrangles, Nos. T-8428 and T-8429 which are now in progress.

Comparison with Previous Topographic Surveys.

T-8592 is adequate to supersede those sections of the following older surveys which it covers:

T-1510	1:20,000	1883
T-4357	1:20,000	1928
T-4527	1:20,000	1927
T-5633	1:10,000	1935
T-6181	1: 5,000	1934
T-6182	1: 5,000	1934

Comparison with Nautical Charts 546 and 1248.

T-8592 has not been applied to these charts at the date of this review. There are numerous minor changes in shoreline and cultural details since the last topographic survey.

Reviewed by H. W. Thune

Under the direction of *S. V. Griffith*
S. V. Griffith

Approved by:

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

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

K. T. Adams
Chief, Div. of Photogrammetry

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

GEOGRAPHIC NAMES

Survey No.

T-8592

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

✓ Broward County

2

✓ Atlantic Ocean

3

✓ Intracoastal Waterway

USGB

4

✓ U.S. No. 1

5

✓ State No. ALA

6

7

✓ Dania Cutoff Canal

8

✓ Dania Sound

9

✓ Lake Mabel

10

✓ Port Everglades

11

✓ Lake Sylvia

12

✓ Stranahan River

USGB

13

✓ New River

14

✓ Tarpon River

15

✓ Tarpon Bend

16

✓ Fort Lauderdale

17

✓ Burnham Point

18

✓ New River Sound

19

✓ Sunset Lake

20

✓ East Las Olas Boulevard

21

✓ Mooney Point

22

✓ Bonnet Slough

23

✓ Middle River

24

✓ Broward County Prison

Names underlined in red
are approved. 2/8/48 L.H.

25

✓ Mayan Lake

26

27

M 234

Field Edit Report
Photogrammetric Shoreline Survey

T-8592

Project CS 312B

Field edit of this sheet was made by John D. Weiler, Photogrammetrist during May, 1947

46. Methods-Field edit of this sheet was not a separate operation, but rather a repetition of edit done on Quadrangles T-8429 and T-8428. Inshore features were inspected by truck, and the area along the Intra-coastal Waterway and Atlantic Ocean by small boat. Few corrections have been made on this sheet since it would be repetition of work on T-8429 and T-8428. Appropriate references have been made, since it is felt that the compilation section can transfer this information.

47. Adequacy of the Map Manuscript-The map manuscript was adequate and correct, for numerous changes made since the date of the original field inspection, ^{except as noted} and a few details omitted during that inspection.

For addition details you^{are} referred to the field edit reports of Quadrangle T-8429 and T-8428.

Respectfully submitted,

John D. Weiler
John D. Weiler
Photogrammetrist

Approved and Forwarded

Ross A. Gilmore
Ross A. Gilmore
Chief of Party

NAUTICAL CHARTS BRANCH

SURVEY NO. T-8592

Record of Application to Charts

[illegible]

M-2168-I

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.