

5628

U. S. COAST & GEODETIC SURVEY  
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U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES

OCT 7 1935

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Form 504  
Rev. Dec. 1933  
DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Photo-  
Topographic  
~~Hydrographic~~

Sheet No. T - 5628

State Florida

LOCALITY

Biscayne Bay

Coconut Grove

Miami - Coral Gables

1935

CHIEF OF PARTY

E. R. McCarthy

U. S. GOVERNMENT PRINTING OFFICE: 1934

00  
02  
60  
25

Applied to Cht. 583, Mar. 21, 1936 K.R.

Applied to chart 1248. Mar. 17, 1937

Applied to Cht. 848, <sup>(new compilation)</sup> S. H. S.  
Sept 12, 1938 RLV

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. ....

REGISTER NO. T - 5628

State Florida.

General locality Biscayne Bay

Locality Coccolut Grove Miami - Coral Gables

Scale 1:10,000 Date of photographs Jan., 23 & 25, 1935

Vessel Shore party, Project HT 158

Chief of party E. R. McCarthy

Surveyed by See data sheet attached to descriptive report.

Inked by " # " " " " "

Heights in feet above ..... to ground to tops of trees

Contour, Approximate contour, Form line interval ..... feet

Instructions dated November 17, ..... , 1935

Remarks: Compiled from aerial photographs at a scale of 1:10,200

for reproduction by the photo-lithographic process at a scale of 1:10,000.

...

*Blueprint only, scale 1:10,200 filed 2/28/36*

DATA SHEET  
SHEET REGISTER NO. T - 5628

PORTION OF WORK	DONE BY	DATE COMPLETED
Projection by:	W. J. Mignola	May 7, 1935
Projection checked by:	D. L. Ackland	May 7, 1935
Control plotted by:	D. L. Ackland	May 16, 1935
Control checked by:	T. H. Aldrich	May 16, 1935
Radial plot by:	D. L. Ackland	June 19, 1935
Plot checked by:	T. H. Aldrich	July 7, 1935
Compiled in pencil by:	D. L. Ackland & M. B. Gill, Jr.	Sept. 25, 1935
Inked by:	T. H. Aldrich & M. B. Gill, Jr.	Sept. 25, 1935
Name sheet made by:	<i>J. C. Mathisson</i> John C. Mathisson	Sept. 27, 1935
Name sheet checked by:	M. B. Gill, Jr.	Sept. 28, 1935

\*\*\*\*\*

Area of sheet = 13.4 square statute miles.  
Length of shoreline = 5.4 statute miles.  
Length of rivers and canals = 13.5 statute miles.

DESCRIPTIVE REPORT  
to accompany  
PHOTO-TOPOGRAPHIC SHEET  
REGISTER NO. T - 5628  
COCONUT GROVE  
FLORIDA  
1935  
Scale 1:10,000

E. R. McCarthy, Chief of Party.  
John C. Mathisson, In charge, photo-unit.

PROJECT INFORMATION:

For general information pertaining to the project, of which this sheet is a part, see the General Descriptive Report which is attached to the report for Sheet Register No. T-5629.

DESCRIPTION OF AREA:

This sheet covers an area lying, for the most part, within the city limits of the cities of Miami and Coral Gables. This area is almost entirely sub-divided into streets and avenues. The area within the limits of the City of Miami is thickly populated and many residential and business houses line the streets and avenues. Very little use is being made of a majority of the streets within the limits of the City of Coral Gables. The street systems in this locality is a result of the 'boom' and the streets are graded and paved far beyond the needs of the present population.

A small part of the southeast section of the City of Hialeah is shown north of the Miami River near the western limit of this sheet. The area between Hialeah and Miami, along the Miami River, is under the jurisdiction of Dade County.

There is very little cultivation in the area covered by this sheet. A few citrus groves exist within the limits but the number is comparatively small. The area is given over, in a large measure, to residences and the streets are lined with coconut palms and Australian pines which have been planted by the inhabitants.

The entire shoreline along the bay was at one time a thick growth of mangrove. Most of this mangrove has been cleared and the area filled with material obtained from the water area. The area from which the material was taken to fill along the shoreline, is shown on the compilation. Several

areas of the mangrove remain but they have been ditched for drainage and mosquito control.

Numerous small basins and canals exist along the shoreline which are privately owned by the residents of the bay front property. There are also many small piers in the area for the accommodation of pleasure craft during the 'season'.

With the exception of Dinner Key Channel, all of the channels shown on the compilation were dredged by private interests. Deering Channel and the channel southwest of Dinner Key Channel are well marked by single pile beacons which are maintained by the owners. All of these pile markers have been located by sextant fixes and shown on the compilation. The entrance range for the latter channel has been noted on the name sheet. Other channels in the area are marked by stakes and pipes and because of their temporary nature, these have not been shown on the compilation.

There are two dredged canals shown within the limits of the City of Coral Gables. These canals are very narrow and are obstructed by several dilapidated bridges. The entrance to these canals are shown on Sheet Register No. T-5626.

There is a large, unfinished building located near the southern limit of this sheet. This building stands on the proposed site of the University of Miami. This building is a prominent landmark in the interior but of no use as a landmark in the water area.

There are many private roads in the area between Main Highway and the bay front in Coconut Grove. Because of the difficulty in interpretation, caused by the trees, only the public and most important private roads in this area have been shown on the sheet.

#### GENERAL INFORMATION:

The area of this sheet is covered by a flight of single-lense photographs paralleling the Miami River and a flight of five-lense photographs roughly paralleling the shoreline along the bay. The flight of five-lense photographs is broken near the center of the sheet.

Due to an error on the part of the photographer, the photographs were not numbered consecutively as they were taken. Five-lense photographs Nos. 137 to 149 inclusive, were secured 1:30 P.M. on January 25, 1935 while Nos. 150 to 155 inclusive, were secured at 12:15 P.M. on the same date. The single-lense photographs along the Miami River were secured at 11:00 A.M. on January 23, 1935.

An index of photographs is appended to the General Descriptive Report of the Area.

#### CONTROL:

For a description of the control used in the compilation of this sheet, see the General Descriptive Report of the area. *filed with descriptive report T-5629*

There is appended to this report a list of the triangulation stations used in the compilation. This list shows the plotting distances used for the scale of the compilation, 1:10,200.

The name of the large tank at 10th Street and 24th Avenue S. W., Miami, appears on the name sheet as "POWER 1935". This object was also located during 1928 and was called "TANK, ALUMINUM" but because it was occupied and used as a main scheme station by the 1935 triangulation party, the name assigned by that party has been retained on the compilation.

#### COMPILATION METHOD:

The usual radial line method was used in the compilation of this sheet. In order to obtain control near the south neat line, it was necessary to use a 'dog ear' to fix the five-lens photographs in the locality. The plot was developed and no adjustment was necessary.

In order to obtain the radial plot through the single-lens photographs along the Miami River, celluloid templates were used. This plot was also developed without adjustments.

#### INTERPRETATION OF PHOTOGRAPHS:

For the most part, the photographs were clear and adequate for charting purposes. Field inspection was necessary to obtain the delineation of roads and detail which were obscured by over-hanging trees.

The photographs, supplemented by field inspection, were clear in the areas where the channels and dredged portions of the bay appeared. Some difficulty was experienced in obtaining points for radial intersection in the water area to control the photographs. These areas were delineated from the photographs and later checked when plotting the locations of the beacons and piles obtained by sextant fixes.

#### INFORMATION FROM OTHER SOURCES:

The location of the various piles and beacons were obtained from sextant fixes on triangulation stations. A third angle was taken to check the accuracy of these locations.

The city maps of Miami and Coral Gables were used to obtain the names of most of the streets and avenues in the area of this sheet. These maps were supplemented by field inspection to obtain names not shown on them. The name sheet covers the names in the areas completely and no maps were transmitted with the sheet.

A map of the Deering Estate was used to check the delineation of the waterways in the area of the estate. Several of these waterways were not clear on the photographs and these have been shown dotted on the compilation. There are private roads in this area which have not been shown on the sheet.

The city limits of the cities of Miami, Coral Gables and Hialeah were obtained from the various city engineers. Due to the city limits of Miami being along the property lines of several streets and avenues, it has been

necessary to represent the the line, in error, through the center lines of the streets in order to avoid confusion. This condition exists along the following streets and avenues: east side of N.W. 34th Ave., north side of N.W. 14th St., east side of N.W. 37th Ave., south side of N.W. 19th St., west side of N.W. 32nd Ave., south side of N. W. 18th Ter., west side of N.W. 30th Ave., south side of N.W. 17th St. and the west side of N.W. 27th Ave. The city limits are represented as being on the center line of the above streets and avenues on the compilation but for accurate representation they should be on the side of the streets and avenues as listed above. There is a narrow band of property inside the city limits of Miami which joins Hialeah near the Seaboard Airline Railway on N.W. 36th Street. This is in order to operate bus service between the two cities without entering the jurisdiction of Dade County. *City limit lines will not be shown on compilation* *Sam.*

#### COMPARISON WITH CONTEMPORARY SURVEYS:

There were no contemporary surveys covering the area embraced by this sheet.

#### COMPARISON WITH PREVIOUS SURVEYS:

The area of this sheet is covered by Air-photo Compilation Nos. 4528 and 4540 made during 1928.

Generally, the agreement in general detail between the two compilations is very good. Differences are noted in the location of various features as are differences caused by improvements since the date of the previous survey.

The shoreline from the Deering Estate southwest to Dinner Key shows a difference in location between the two sheets. This shoreline appears, on the original compilation, approximately 30 meters northwest of the location it assumes on the present compilation.

The topographic detail in the vicinity of Dinner Key also shows differences due to improvements made since the date of the previous survey.

The general discrepancy in the shoreline, as noted above, continues below Dinner Key but diminishing in magnitude until a fair agreement is noted near the south neat line.

There is a large difference noted in the location of the east and west streets in Coconut Grove. This difference amounts to approximately 50 meters in the location of the center line of William Street. It is believed that the discrepancy was due to the lack of control on the 1928 compilation.

The wreck shown on the present edition of published charts at approximate Lat.  $25^{\circ} 44.3'$ , Long.  $80^{\circ} 11.6'$  should be deleted from future editions of the charts of the area. Field inspection covered the area and the wreck was not found. *This wreck is shown in an area on Charts 583 and 1248 covered by compilation No. 5627 and therefore the foregoing statement should be incorporated in the report for T-5627. This note has been added in the revision for T-5627 under Comparison with CH. 583.*

#### LANDMARKS:

'Landmarks for Charts' for the area of this sheet were submitted on Sept., 17, 1935. A duplicate copy of this list is attached to the report for Sheet Register No., T-5629.



There is appended to this report a copy of Form 567 covering the permanent (non-floating) aids to navigation in the area of this sheet and Sheet Register No. T-5627.

It is noted that Beacons Nos. 6, 8, <sup>10,</sup> 12 and 17 along the Dinner Key Chammel are no longer in existence and were apparently discontinued because of the seaplanes landing in the vicinity. A copy of Form 567 has been submitted to cover the deletion of these beacons and a copy of the form is attached to this report.

#### CONFLICTING NAMES:

No important conflict exists in the names of the various features appearing on this sheet.

It is noted that S. W. 37th Ave., in Miami is known as Douglas Road in Coral Gables and as Douglas Street in Coconut Grove. This is perhaps permissible as only that section of the thoroughfare appearing in the three localities is known by the different names. In a like manner, Hardie Street (note spelling) in Coconut Grove is known as Hardee Road in Coral Gables.

The fact that two Jefferson streets were noted by the compilation party in the area of Coconut Grove was called to the attention of the City Engineer of Miami. This party has been informed that the name of the street to the east would probably be changed because of the difficulty involved in changing the description of the boundary of the City of Miami accompanying a change in the name of the Jefferson Street on the west city limits.

Dinner Key Channel is known locally as Coconut Grove Channel. If this name is not changed on future editions of the published chart, it is believed that the name, Coconut Grove Channel, should appear on the chart in parenthesis.

Several street are locally known by two or more names. In these cases, both of the names have been placed on the name sheet and they should be charted.

#### BENCHMARKS:

The location of all first order benchmarks in the area have been determined by radial intersection and shown on the compilation.

The location of Benchmark Q - 67, 1933, appearing outside the neat line on this sheet, was inadvertently omitted from the compilation of Sheet Register No. T-5629.

It is respectfully requested that the location of this benchmark be transferred to the proper sheet. *Accomplished. LAM. 1/17/36.*

RECOMMENDATION FOR FURTHER SURVEYS:

It is believed that this compilation fully covers the area and that further surveys are not needed at the present time.

The compilation is believed to have an error of 2 meters or less for well defined detail of importance for charting and of 4 meters of other detail. A better estimate of the accuracy of location ~~for work on this scale~~ is 0.3 to 0.5 mm on the scale of the compilation for intersected points and 0.3 to 0.8 m.m. for other detail

BGG 1/28/56

*John C. Mathisson.*  
John C. Mathisson,

Jr. H. & G. E.,  
U. S. Coast and Geodetic Survey

## TABLE OF CONTROL

SHEET REGISTER NO. T - 5628

Station	Corr to N.A. 1927	Position (North American Datum)	Plotting distances.
Fronton, 1935.	✓	Lat. 25° 48' 744.2 (1102.1) Long. 80° 15' 700.3 ( 971.2)	729.6 (1080.5) 686.6 ( 952.2)
Tower, Fritz Hotel, 1934.		Lat. 25° 48' 673.1 (1173.1) Long. 80° 14' 777.3 ( 894.2)	659.9 (1150.1) 762.1 ( 876.7)
36th Street Bridge, 1935.		Lat. 25° 48' 918.0 ( 928.3) Long. 80° 15' 1191.7 ( 479.6)	900.0 ( 910.1) 1168.3 ( 470.2)
E. Flagpole, Miami H. S., 1935.		Lat. 25° 46' 491.0 (1355.3) Long. 80° 14' 226.7 (1445.2)	481.4 (1328.7) 222.3 (1416.9)
✓ Power, 1935. (Tank, Aluminum, 1928.)		Lat. 25° 45' 1432.0 ( 414.3) Long. 80° 14' 284.1 (1387.9)	1403.9 ( 406.2) 278.5 (1360.7)
Chimney, Coconut Grove, 1934.		Lat. 25° 43' 1115.4 ( 730.9) Long. 80° 15' 706.0 ( 966.6)	1093.5 ( 716.6) 692.2 ( 947.6)
✓ Tank, Coconut Grove, 1934.		Lat. 25° 43' 798.4 (1047.9) Long. 80° 15' 942.2 ( 730.4)	782.8 (1027.4) 923.7 ( 716.1)
Coconut Grove Light, 1929.		Lat. 25° 42' 697.8 (1148.5) Long. 80° 13' 979.6 ( 693.2)	684.1 (1126.0) 960.4 ( 679.6)
Dade, 1935.		Lat. 25° 47' 1124.1 ( 722.2) Long. 80° 15' 1444.4 ( 227.1)	1102.1 ( 708.0) 1416.1 ( 222.6)
Pan American, 1935.		Lat. 25° 43' 1201.6 ( 644.7) Long. 80° 14' 74.7 (1597.8)	1178.0 ( 632.1) 73.2 (1566.5)
W. Stack, Seaboard R.R. 1935.		Lat. 25° 48' 302.7 (1543.6) Long. 80° 16' 260.1 (1411.4)	296.8 (1513.3) 255.0 (1383.7)
E. Stack, Seaboard R.R. 1935.		Lat. 25° 48' 303.7 (1542.6) Long. 80° 16' 257.6 (1413.9)	297.7 (1512.4) 252.5 (1386.2)
Black Tank, Seaboard R. R., 1935.		Lat. 25° 48' 252.4 (1594.2) Long. 80° 16' 271.6 (1399.9)	247.2 (1562.9) 266.3 (1372.4)
Miami Biltmore Hotel, 1928.	2.20 - 2.2	Lat. 25° 44' 802.7 (1043.6) Long. 80° 16' 1220.7 ( 451.7)	787.0 (1023.1) 1196.8 ( 442.9)

Coral Gables, Miami Biltmore  
Hotel, light on tower, 1934.



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

Page 1 of 2.

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

## LANDMARKS FOR CHARTS

Miami, Fla.

Oct., 2, 1935

I recommend that the following objects which have ~~(1935-1936)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(selected from)~~ the charts indicated.

The positions given have been checked after listing.

## PERMANENT (NON-FLOATING) AIDS TO NAVIGATION

E. R. McGarity,

Chief of Party.

GENERAL LOCALITY		NAME AND DESCRIPTION	POSITION					METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE		LONGITUDE								
			°	'	D. M. METERS	°	'						
Florida.													
Biscayne Bay & vicinity													

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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

Page 2 of 2.

TO BE CHARTED

STRIKE OUT ONE

~~NO BE CHARTED~~

## LANDMARKS FOR CHARTS

Miami, Fla.

Oct., 2, 1935

I recommend that the following objects which have ~~(be examined)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(charts from)~~ the charts indicated.  
The positions given have been checked after listing.

## PERMANENT (NON-FLOATING) AIDS TO NAVIGATION:

E. R. McCarthy

Chief of Party.

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
		LATITUDE		LONGITUDE		DATUM							
		°	'	°	'								
							D. M. METERS						
Florida, Biscayne Bay & vicinity.													
Bn. 1.	Dinner Key Channel	25	42	1184.4	80	12	1109.9	N.A.	Air-photo	1935	X		583 848 1248
Bn. 2.	"	25	42	1535.9	80	12	1082.2	"	"	"	X		"
Bn. 3.	"	25	42	1620.3	80	12	1345.3	"	"	"	X		583
Bn. 5.	"	25	42	1762.6	80	12	1608.5	"	"	"	X		"
Bn. 7.	"	25	43	229.2	80	13	133.0	"	"	"	X		"
Bn. 9.	"	25	43	188.9	80	13	412.6	"	"	"	X		"
Bn. 11.	"	25	43	372.8	80	13	745.0	"	"	"	X		"
Bn. 14.	"	25	43	589.5	80	13	1047.8	"	"	"	X		"
Bn. 13.	"	25	43	559.4	80	13	1058.1	"	"	"	X		"
Bn. 15.	"	25	43	827.9	80	13	1360.0	"	"	"	X		2
Bn. 14.	"	25	43	832.6	80	14	492.9	"	"	"	X		"
Bn. 16.	"	25	43	730.6	80	14	631.0	"	"	"	X		"
Bn. 18.	"	25	43	592.3	80	14	723.3	"	"	"	X		"

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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.

## Remarks

## Decisions

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14	Local name <del>Arorana</del> Coconut Grove Channel.	
15	Leading to Seeling Estates.	
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# GEOGRAPHIC NAMES

Survey No.

GEOGRAPHIC NAMES											
Survey No.											
Name on Survey											
		On Chart No. 583.	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			
✓ <u>Hialeah.</u>	none					✓				1	
✓ <u>Miami River.</u>	/									2	
✓ <u>N. Fork Miami River</u>	none			✓						3	
✓ <u>S. Fork Miami River</u>	none			✓						4	
✓ <u>Tamiami Canal</u>	none			✓						5	
✓ <u>Comfort Canal.</u>	none			✓						6	
✓ <u>Miami</u>	/					✓				7	
✓ <u>Coral Gables.</u>	/									8	
✓ <u>Coconut Grove.</u>	✓					✓				9	
✓ <u>Fair Isle.</u>	none			✓						10	
✓ <u>Dinner Key.</u>	/									11	
✓ <u>The Moorings.</u>	none			✓						12	
✓ <u>Biscayne Bay.</u>	/									13	
<u>DINNER KEY</u>											
✓ <u>Coconut Grove Channel.</u>										14	
✓ <u>Deering Channel.</u>				✓						15	
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Names underlined in red approved

by Chapman on 1-31-36

M 234

Names underlined in red approved

by C. H. Jones on 1-31-36



REVIEW OF AIR PHOTO COMPILATION T 5628 (1936)  
1:10,000 scale

There are no recent planetable or graphic control surveys of this area.

Comparison with Previous Topographic Surveys

T 336 (1851), 1:20,000

The survey for T 336 covers Biscayne Bay between latitude 25°39' and 25°46'. Over the common area T 336 shows no signs of man-made developments and this area on T 336 is covered with vegetation. T 336 is superseded by this compilation over the common area.

T 3758 (1919), 1:20,000

The survey for T 3758 covers Biscayne Bay and the outer coastline between latitude 25°42' and latitude 25°56'. Over the common area which is confined to a narrow strip of land between Point View (latitude 25°45') and latitude 25°43' there are many changes of culture and ~~the~~ position of the high water line due to man-made developments. Marsh areas and mangrove swamps have been drained and filled to a large extent. T 3758 is superseded by this compilation over the common area.

T 4528 and T 4540 (1930), 1:20,000 (Air photo compilations).

The entire area of this compilation, T 5628, is covered by the combined areas of T 4528 and T 4540 except for a small area north of latitude 25°48' along the Miami River. The preceding report for T 5628 gives an adequate comparison with T 4528 and T 4540 on page 4. No additional discussion is necessary. T 4528 and T 4540 are superseded by this compilation over the respective common areas.

Comparison with Charts Nos. 583, 1248

All lights and beacons within the area of the compilation are shown except Beacons Nos. 6, 8, 10, 12 and 17 which have been removed. The list of positions for aids to navigation and aids to be deleted for this area is contained in this report. *See list preceding*

The pile beacons marking the lines of the privately maintained channels are ~~not shown~~ <sup>on this compilation</sup> on charts Nos. 583 and 1248. These beacons are represented by a smaller circle than the circle for beacons maintained by the U. S. Lighthouse Service.

The list of positions for landmarks and landmarks to be deleted in this area is contained in the general report for this project which is files as part of descriptive report T 5629.

*Dinner Key Aviation Beacon added from chart 1276r 350(1936)*  
Position: 25°43' 1383.9 m.  
80°14' 110.5 m

*6/27/36 J.E.*

*Lemard A. McLean.*  
*1/30/36.*  
*V.B.G. Jones*

REVIEW OF AIR PHOTO COMPILATION NO. T - 5628

Chief of Party: E. R. McCarthy

Compiled by: D. L. Ackland

Project: HT 158

Instructions dated: Nov. 17, 1933.

1. The charts of this area have been examined and topographic information necessary to bring the charts up to date is shown on this compilation. (Par. 16a, b,c,d,e,g and i; 26; and 64)
2. Change in position, or non-existence of wharfs, lights, and other topographic detail of particular importance to navigation which affect the chart, is discussed in the descriptive report. (Par. 26; and 66 g,n)
3. Ground surveys by plane table, sextant, or theodolite have been used to supplement the photographic plot where necessary to obtain complete information, and all such surveys are discussed in the descriptive report. (Par. 65; and 66 d,e)  
*Sextant fixes were made to locate the position of various piles and beacons as explained on page 3 of this report.*
4. Blue-prints and maps from other sources which were transmitted by the field party contain sufficient control for their application to the charts. (Par. 28)  
No maps were transmitted.
5. Differences between this compilation and contemporary plane table and hydrographic surveys have been examined and rectified in the field before forwarding the compilations to the office and are discussed in the descriptive report.
6. The control and adjustment of the photo plot are discussed in the descriptive report. Unusual or large adjustments are discussed in detail and limits of the area affected are stated. (Par. 12b; 44; and 66 c,h,i)
7. High water line on ~~marchy~~ and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44)

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Refer also to the pamphlet "Notes on the Compilation of Planimetric Line Maps from Five Lens Air Photographs."

8. The representation of low water lines, ~~reefs, coral reefs and rocks,~~ and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41)
9. Recoverable objects have been located and described on Form 524 in accordance with circular 30, 1933, circular letter of March 3, 1933, and circular 31, 1934. (Par. 29, 30, and 57)  
All first order benchmarks in the area have also been located.
10. A list of landmarks was furnished on Form 567 and instructions in the Director's letter of July 16, 1934, Landmarks for Charts, complied with. (Par. 16d, e; and 60)
11. All bridges shown on the compilation are accompanied by a note stating whether fixed or draw, clearance, and width of draw if a draw bridge. Additional information of importance to navigation is given in the descriptive report. (Par. 16c) *but not no values given by Mathisson on the overlay for T5629 but not no statement made as to how determined. These values accepted in preference to different values given in Engineer Bridge Book which appears to be in error for bridges in Miami River Bay.*
12. Geographic names are shown on the overlay tracing. The accepted local usage of new names has been determined and they are listed in the report, together with a general statement as to source of information and a specific statement when advisable. Complete discussion of place names differing from the charts and from the U. S. G. S. Quadrangles is given in the descriptive report, together with reasons for recommendations made. (Par. 64, and 66k)
13. The geographic datum of the compilation is North American ~~and the~~ reference station is correctly noted.
14. Junctions with adjoining compilations have been examined and are in agreement. (Par. 66j)
15. The drafting is satisfactory and particular attention has been given the following:
  1. Standard symbols authorized by the Board of Surveys and Maps have been used throughout ~~except as noted in the report.~~ *for Bench Marks, which are represented by a circle instead of the standard cross (X).*
  2. The degrees and minutes of Latitude and Longitude are correctly marked. *Lat.*

3. All station points are exactly marked by fine black dots.
4. Closely spaced lines are drawn sharp and clear for printing.
5. Topographic symbols for similar features are of uniform weight.
6. All drawing has been retouched where partially rubbed off.
7. Buildings are drawn with clear straight lines and square corners where such is the case on the ground.

(Par. 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48)

16. No additional surveying is recommended at this time.

17. Remarks:

18. Examined and approved;

ER. Mc Carthy  
Chief of Party

19. Remarks after review in office:

*See pages immediately preceding for detailed report on office verification.*

Reviewed in office by: *Leonard A. McNamee* *W.B.G. Jones*  
*11/30/36.*

Examined and approved:

C. K. Green  
Chief, Section of Field Records

L. O. Solbert  
Chief, Division of Charts

W. B. Borden  
Chief, Section of Field Work

G. H. Hilde  
Chief, Division of Hydrography  
and Topography.