

7.3-  
**8418**

8418

12-  
Form 504  
U. S. COAST AND GEODETIC SURVEY  
DEPARTMENT OF COMMERCE  
**DESCRIPTIVE REPORT**

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Type of Survey Topographic  
Field No. T-8418 Office No. T-8418

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LOCALITY  
State FLORIDA  
General locality Palm Beach County  
Locality Palm Beach - West Palm Beach

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1946  
CHIEF OF PARTY  
Lt. Comdr. J. C. Bose

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LIBRARY & ARCHIVES  
DATE April 19, 1948

## DATA RECORD

T-8418

Quadrangle (II): **Palm Beach** \*  
 Declination = 1° 15' East

Project No. (II): **312-A**

Field Office: **Tampa, Fla.**  
 Sub-field Office, **Miami Beach, Fla.**

Chief of Party: **Lt. Comdr. J. C. Bose**Compilation Office: **Tampa, Fla.**Chief of Party: **Lt. Comdr. J. C. Bose**Instructions dated (II III): **25 May, 1945**

Copy filed in Descriptive  
 Report No. ~~T~~ (VI)  
 Div. of Photogrammetry  
 General Files

Completed survey received in office:

26 Nov 1946

Reported to Nautical Chart Section:

Reviewed: **11 Mar. 47**

Applied to chart No.

Date:

Redrafting Completed:

Registered: **26 March 1948**

Published:

Compilation Scale: **1:20,300**Published Scale: **1:24,000**Scale Factor (III): **0.98522**Geographic Datum (III): **N.A. 1927** Datum Plane (III): **M.S.L.**Reference Station (III): **Ramsey, 1934 (d.m.)**

Lat.: **26° 39' 25.650** (777.7m) ~~(777.7m)~~ **80° 02' 14.384** (391.9m) ~~(391.9m)~~ Adjusted  
 (789.4m) (397.8m)

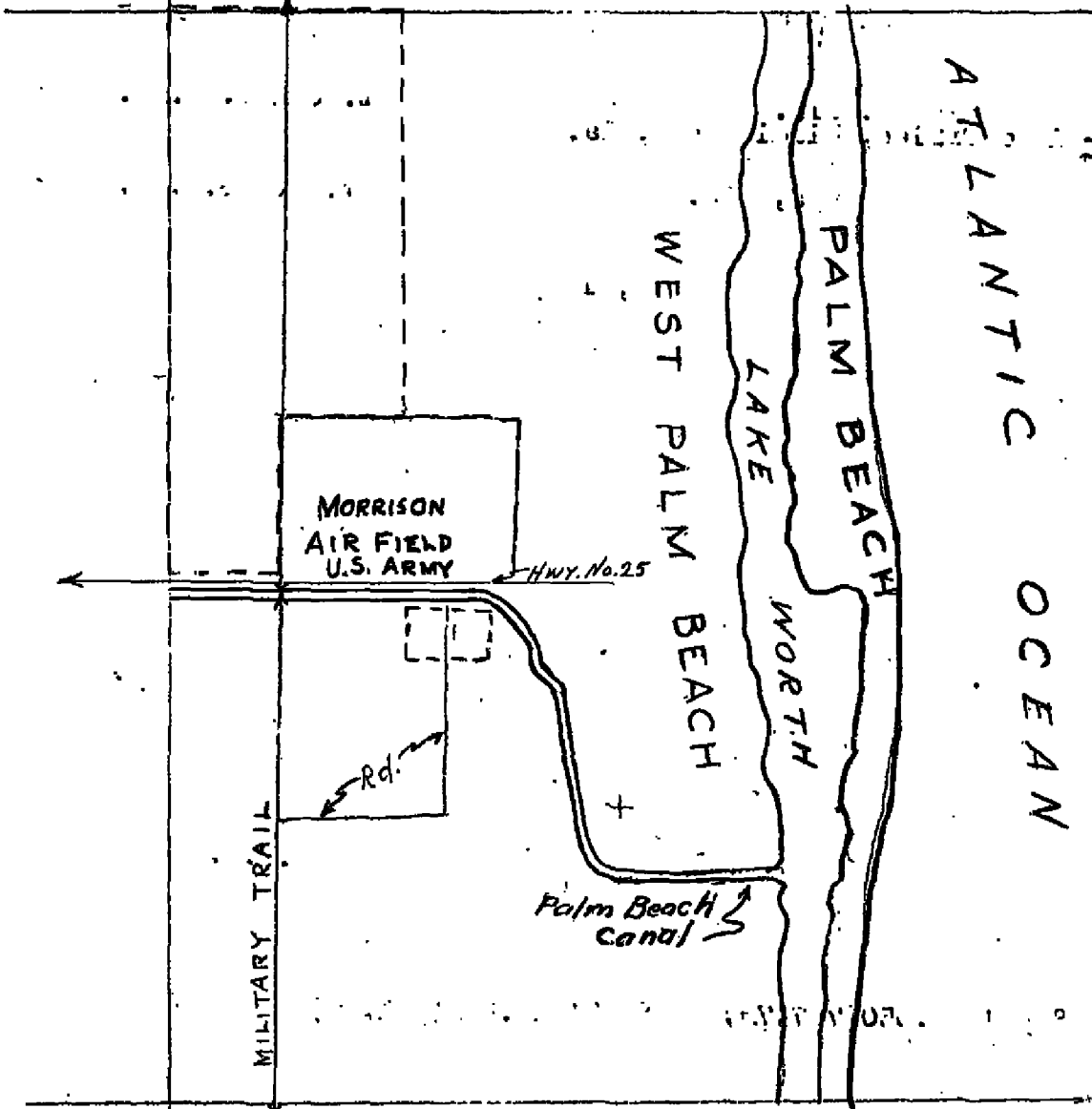
State Plane Coordinates (VI): **Florida East Zone**x = **814,424.35 feet**y = **845,685.88 feet**Military Grid Zone (VI) **B** (no overlapping zone) — Not to be shown

\* It is recommended that the name of this quadrangle be changed to West Palm Beach because this city is very much larger in area and population than Palm Beach.

J.R.  
 8 Mar. 48

QUADRANGLE  
T-8418

26° 45' 30"



80° 07' 30"

26° 37' 30"

80° 00' 00"

**Note:**

Area enclosed by red, dashed lines was contoured by Ben. O. Bryant, Senior Photogrammetric Aid. The remainder of the quadrangle was contoured by Frank H. Elrod, Principal Photogrammetric Aid; excepting Morrison Field which was contoured by U. S. Army.

Also Single lens photographs 45c-1512 to 45c-1519 taken Mar. 9, 1945.

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
11854	11/14/42	11:38	1:20,300	+3.2
11855	"	11:39	"	"
11856	"	11:40	"	"
12109	11/24/42	10:37	"	+2.8
12110	"	10:37	"	"
12111	"	10:37	"	"
12146	"	11:21	"	+2.4
12147	"	11:21	"	"
12148	"	11:21	"	"

Tide from: Palm Beach, ocean      Reference Sta. Mayport, Fla.  
Mean Range: 2.8      Spring Range: 3.3

Camera: (kind or source) U.S.C.&G.S. Nine lens, 8.24" focal length

Field Inspection by: Frank H. Elrod      date: April, May 1945

Field Edit by: J.K. Wilson      date: Mar. to Aug. 1946

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

Projection and Grids ruled by (III) Washington Office date: Sept. 1, 1944

" " " checked by: " " " date: " " "

Control plotted by: Jim Collins      date: June, 1944

Control checked by: Rudolph Dossett      date: " "

Radial Plot by: Tampa Office      date: July "

Detailed by: Rudolph Dossett      date: 7/44 and 1/46

Reviewed in compilation office by: Jesse A. Giles      date: 10/44 " 1/46

Manuscript  
Elevations on ~~Field Edit Sheet~~      date: January, 1946  
checked by: Rudolph Dossett and Jesse A. Giles

STATISTICS (III)

Land Area (Sq. Statute Miles): **47**

Shoreline (More than 200 meters to opposite shore): **24.1 Statute miles**

Shoreline (Less than 200 meters to opposite shore): **6.0 " "**

Number of Recoverable Topographic Stations established: **Sixteen**

Number of Temporary Hydrographic Stations located by radial plot: **None**

Leveling (to control contours) - miles: **42.5**

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:

MAP T-8418

PROJECT NO. 312A

SCALE OF MAP

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y-COORDINATE LONGITUDE OR X-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
Huttons chimney, 1929	✓								
Jersey, 1934	✓								
Harvey, 1934	✓								
Mahgon, 1934	✓								
Ramsey, 1934	✓								
Lacy, 1934	✓								
West Palm Beach, silver standpipe, final, 1934	✓								
Rainbo, 1929	} These nine stations are not described and probably not marked according to Geodetic Survey. They have not been shown on the manuscript								
Rainbo A, 1929									
Rainbo B, 1929									
" C, "									
" D, "									
" D+21, "									
" E, "									
" F, "									
" G, "									
AH 24B, 1934 (F.G.S.)	✓		(Florida Geodetic Survey)						
AH 25A, 1934 (F.G.S.)	✓								Set by J. L. Palmer 11 March 27

1 FT. = 3048008 METER  
COMPUTED BY:

DATE

CHECKED BY:

DATE

M-2308-12

MAP T-8418 PROJECT NO. CS-312-A SCALE OF MAP SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y-COORDINATE LONGITUDE OR X-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
Rail, 1924	✓								
East, 1924	✓								
Okee, 1924	✓								
Bee, 1924	✓								
Road, 1924	✓								
Drift, 1929	✓								
Dil, eccentric, 1929 (n.d.)	✓								
Breakers, 1929	✓								
Hotel Alba, cupola, 1929 (n.d.)	✓								
Hotel Breakers, north cupola, flagstaff, 1929 (n.d.)	✓								
Breakers Hotel, south tower, flagpole, 1929	✓								
Bath and Tennis Club, north cupola, 1929	✓								

Field by Jack E. Rubin. 11 Mar 47

FIELD INSPECTION REPORT TO  
ACCOMPANY  
QUADRANGLE T-8418 (PALM BEACH)  
PROJECT CS-312-A

1. DESCRIPTION OF AREA

Quadrangle T-8418, (Palm Beach) is located on the south east coast of Florida in Palm Beach county. It extends north from latitude  $26^{\circ} 37' 30''$  to latitude  $26^{\circ} 45' 00''$  and west from longitude  $80^{\circ} 00' 00''$  to  $80^{\circ} 07' 30''$ . Land area comprises approximately 47 square miles of the quadrangle.

The principal cultural features are the cities of Palm Beach, and West Palm Beach and Morrison Army Airfield. The Seaboard and the ~~Atlantic Coast Line~~ railroads run the entire length of the quadrangle.

*FIELD*  
The terrain is relatively flat except for two ridges, one on the beach and the other about  $1\frac{1}{2}$  miles inshore. Both ridges extend the entire length of the quadrangle. Clear Lake and Lake Mangonia are located in the north central section. Palm Beach canal cuts through the central part of the quadrangle. West of the lakes the land is flat and covered with swamps and marshes except for an occasional hummock or small ridge which rises a few feet above the flats. Exclusive of the two ridges the land has a gradual rise from sea level on the east coast to approximately 19 feet on the western edge of the quadrangle. On the narrow inshore ridge elevations reach as high as 47 feet.

The uncultivated higher ground is covered with scattered pine, palmetto and grass. Marsh grass is found in low ground. The swamps are covered with cypress. The drainage appears to go into the lake basin from the ridge on the east and the high flats on the west then it flows into Lake Worth by way of the <sup>was</sup> Palm Beach canal. All drainage is very slow and sluggish. ^

2. COMPLETENESS OF FIELD INSPECTION

Field inspection was done on photographs #12148A, 12146, 11856 and 11853A by F. H. Elrod and George C. Whitehurst during the months of April and May 1945. Roads and vegetation were reclassified but urban areas and buildings are the same as when it was inspected for planimetric mapping. \*

*\* This project was started as a planimetric mapping project and then converted to topographic mapping during the course of the field work.*  
1898



Some new houses have been located on the photographs by ground measurements or use of planetable. Several new H & T stations were established on natural objects (not monumented) and when practical, U.S. E.D. stations were used and form #524 submitted. The planimetric inspection insofar as buildings and railroad sidings are concerned was very good and no attempt has been made to recircle all buildings.

Filed in Div. Photogrammetry General Files.

### 3. INTERPRETATION OF PHOTOGRAPHS

Densely wooded areas appear in dark color intermingled with small white specks. In general, lighter tones of color indicate higher ground. The dark grey coloring around the lighter tones generally indicate low ground. Cypress swamps have a fuzzy light grey appearance.

### 4. HORIZONTAL CONTROL

Horizontal control in this quadrangle was recovered by party during field inspection and recovery for planimetric maps.

### 5. VERTICAL CONTROL

U.S. Coast and Geodetic Survey bench marks with connecting lines of fly levels comprise the vertical control used for contouring. All level lines were closed within the prescribed limits of accuracy. No closure was greater than .3 of a foot. Approximately 42 miles of fly levels were needed for vertical control. Level points were spaced about one quarter of a mile apart and were usually marked on the ground by a bottle cap or a chiseled cross. The level points are marked on the photographs with a blue cross. Levels are shown on photographs 11853, 11855, 12147 and 12148.

### 6. CONTOURS AND DRAINAGE

This area was contoured during one of the driest seasons of the past ten years. The water level of 8.9 feet as shown on Clear Lake is the lowest elevation recorded since 1939.

The quadrangle was contoured by standard plane table methods with a 4-man party. All stadia traverses were closed within the prescribed limits of accuracy. Frequent checks were made to determine the scale of the photographs. This was done by measuring the distance between two well defined points and then comparing this distance with distance obtained by scaling.

There is very little definite drainage except for the canals and the ditches. Water surface elevations were placed in the canals, lakes, ponds and ditches. Occasionally an elevation was placed in an intermittent pond; however, these were labeled "I.P." and the contour omitted. Contours within Morrison Army Airfield were taken from prints furnished this organization by Corps of Engineers, U.S. Army, Jacksonville, Florida. All spoil banks have been shown by a special spoil symbol. Contours are shown on photographs 11853, 11855, 12147 and 12148.

**7. MEAN HIGH WATER LINE**

The mean high water line as delineated by planimetric field inspection was checked by stadia distances and inspection. It was found to be accurate.

**8. LOW WATER LINE**

This line was determined by the party doing field inspection for planimetric maps and was visually inspected when possible during the process of contouring.

**9. WHARVES AND SHORELINE STRUCTURES**

Adequate and complete on ozalid of planimetric map.

**10. DETAILS OFFSHORE FROM HIGH WATER LINE**

Adequate and complete on ozalid of planimetric map.

**11. LANDMARKS AND AIDS TO NAVIGATION**

Adequate and complete on ozalid of planimetric map.

**12. HYDROGRAPHIC CONTROL**

Due to the density of U.S.E.D. stations recovered, and natural objects picked direct by the planimetric inspection party, no monumented stations were established. Form 524 is being submitted for the above stations.

13. LANDING FIELDS AND AERONAUTICAL AIDS

One principal landing field (Morrison Field) appears in this quadrangle. ~~No aeronautical aids appear except within the limits of Morrison Field and it is shown on the layout sheets of the field herewith submitted.~~ *The Radio Range and Beacon Station for Morrison Field is about two miles west of the Field and falls on the adjoining Quad: T-8419.* J.R.

14. ROAD CLASSIFICATION

All roads have been classified according to instructions.

15. BRIDGES

All bridges over navigable waters were classified to show type of bridge and horizontal and vertical clearance during planimetric field inspection and were not classified as regards load capacity in accordance with instructions dated 6 July, 1945.

} Checks with  
Bridge List.  
J.R.

16. BUILDINGS AND STRUCTURES

Adequate and complete as shown on ozalid of planimetric map.

17. BOUNDARY MONUMENTS AND LINES

No attempt was made to show city precincts on the photographs. However, a city precinct map is submitted with this report. The city limits were shown on planimetric field prints and are correct.

} Refer to  
Precinct description  
at the back of  
this report.  
J.R.

Twenty monumented section corners were recovered in this quadrangle. The reservation of Morrison Field is adequate as shown on the planimetric map. County precinct boundaries were obtained from the registrar's office in West Palm Beach.

18. GEOGRAPHIC NAMES *814*

Has been covered by a separate report.

} Filed in Geographic Name section  
of Div of Nautical Charts,

Approved and forwarded by:

*J. C. Bose*

Lieut. Comdr. J. C. Bose  
Chief of Party

Respectfully submitted,

F. H. Elrod,  
Prin. Photo. Aid

COMPILATION REPORT  
TO ACCOMPANY  
QUADRANGLE T-8418

26 and 27. CONTROL AND RAIAL PLOT

A special report has been submitted under separate cover by B. H. Lyon, Assistant Photogrammetric Engineer. *Not available.*

28. DETAILING

This quadrangle was originally detailed as a planimetric map (T-5577) according to Instructions dated 27 January, 1944.

*Now available, in file section of Division of Photogrammetry 10 Mar 47 JR 6 Mar 48 J.A.*

In converting from planimetric to topographic instructions, no attempt was made to erase the planimetric woodland outlines or symbols; instead, an overlay (extra polyconic projection received from Washington) was laid over the original map manuscript and the woodland was outlined and labeled according to Instructions dated 30 June, 1945.

It is believed by the compiler that those areas labeled on the manuscript as "Low Ground" should be further investigated during the field edit for a determination of their limits and permanency.

Contours have been shown <sup>on</sup> the front of the manuscript in red acetate ink and political boundaries on the back in blue acetate ink.

The urban areas of Palm Beach and West Palm Beach have been shown in green acetate ink.

All new ditches, roads, and buildings have been added from latest field inspection notes and delineated as located by the field inspector. Single lens photographs dated 9 March, 1945 were used for the delineation of some buildings and roads not shown on the older, nine lens photographs. The limits of the urban areas, as designated by the Washington Office, have been shown accordingly.

The field inspection for this quadrangle was adequate.

29. SUPPLEMENTAL DATA

The plans for Morrison Field (U. S. Army Air Field) were obtained from the Corps of Engineers, U. S. Army, and

used for the corroboration of details and dimensions. The contours shown inside of the military reservation were obtained from these plans. It was discovered that these contours were incomplete; so, an ozalid print was made of the topographic manuscript and sent to the field party for completion. ~~This data is attached to the map manuscript.~~ *The ozalid print of Morrison Field with the completed contours is stapled to the Field Edit Sheet. J. R.*

A city map of the combined cities of Palm Beach and West Palm Beach was consulted for verification of street layouts.

### 30. MEAN HIGH WATER LINE

The mean high water line has been delineated as recovered during the planimetric field inspection. Verification of this inspection is noted in the "Field Inspection Report" submitted by Frank H. Elrod.

### 31. LOW WATER AND SHOAL LINES

The approximate low water line has been shown on the manuscript by a dotted line in accordance with the field inspection.

### 32. DETAILS OFFSHORE FROM THE HIGH WATER LINE

No offshore details that require further investigation along the ocean shoreline were noted during the field inspection. Offshore details consist of a few oyster bars and spoil areas. Oyster bars have been shown by a dotted line and labeled "Oyster Bar". The spoil areas have been shown by a dashed line and appropriate labels.

### 33. WHARVES AND SHORELINE STRUCTURES

No wharves appear along the ocean shoreline. All seawalls or bulkheads have been delineated and appropriately labeled.

All small wharves, boat slips, and marine railways appearing along the shoreline of Lake Worth have been delineated and labeled as recovered by the field inspector.

### 34. LANDMARKS AND AIDS TO NAVIGATION

Landmarks and aids to navigation have been listed on form Number 567, and ~~made a part of this report.~~ *Original copy taken from this report and sent to Nautical charts. Filed as chart letter #136-1947. No ~~charts~~ ~~are~~ ~~available~~.*

### 35. HYDROGRAPHIC CONTROL

See Field Descriptive Report of this quadrangle. J.R.

### 36. LANDING FIELDS AND AERONAUTICAL AIDS

See Field Descriptive Report.

## 37. BRIDGES AND OVERHEAD WIRES

All bridges over navigable waters have been classified according to the latest instructions. Bridges with draws have been classified according to type and clearances indicated as per the latest information obtained in the field. Fixed bridges over small streams, canals, and ditches have been shown by the conventional symbol only. The clearances indicated were recommended by the field inspector.

## 38. SECTION CORNERS

Twenty one (21) section corners were recovered in the field, which have been located on the map manuscript by radial line intersection. In most cases they appear at road or street intersections and are shown by label "Section Corner" with the section numbers in their respective corners. Section lines will be added at the time of the field edit.

## 44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

No topographic quadrangles were available.

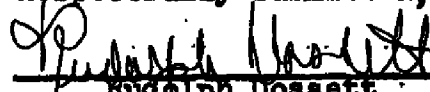
## 45. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with U. S. C. & G. S. Intra-coastal Waterway Chart No. 846 and Nautical Chart No. 1248. The shoreline is generally the same but some changes were noticed when making a comparison with Chart No. 846. The most notable of these lie in the vicinity of ~~Long Cabbage~~ Island, along the Palm Beach side. In this area, concrete seawalls have been constructed. There is an island (apparently man made) surrounded by concrete bulkheads and separated from the mainland by a small channel. A road and bridge from the mainland connect the two. This has been corrected on chart No. 1248.

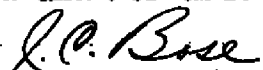
In this vicinity, just south of <sup>Everglade</sup> ~~Long Cabbage~~ Island there appear, on Chart No. 846 spoil areas that are not shown on this manuscript.

Inshore areas are not covered on the charts and no comparison could be made.

Respectfully submitted,

  
Rudolph Dossett,  
Prim. Photo. Aid.

Approved and forwarded.

  
Lieut. Commander J. C. Bose  
Chief of Party.

*This quad has been redrafted in the Washington Office, and a copy of the new manuscript has been made but the details copied from the original manuscript and then checked by the reviewer. The manuscript is now in one piece.*

J. R.  
8 Mar 48







FIELD EDIT REPORT  
QUADRANGLE T-8418  
"PALM BEACH"

NO. 46 METHODS

In field editing the map manuscript all roads were traversed by truck and because of the presence of many roads walking was necessary only in a few places. All buildings, ditches, roads, etc., that were added to the map manuscript were plotted from topographic features, except in numerous instances where plane-table methods were used.

The area along the intracoastal waterway was inspected by truck.

NO. 47 ADEQUACY OF THE MAP MANUSCRIPT

The map manuscript was adequate and correct except for numerous changes made since the date of the original field inspection and numerous details omitted during that inspection.

Attention is called to a radio tower originally located at the southern-most portion of Clear Lake. This radio tower was moved in 1945 to the western shore of Lake Worth near The Good Samaritan Hospital. The tower was visible on the single-lense photographs and has been pricked. It is being submitted on form No. 567. This tower is an orange and white structure and is 196 feet above mean high water. *included with this report*

Attention is called to a red <sup>beacon</sup> and a black beacon located just south of the Flagler Memorial Bridge within Lake Worth. These beacons were not shown on the original field inspection and were located by plane-table. The plane-table was set up at three different points and rays were drawn through beacons from these points; at their intersecting lines the beacons were pricked. The intersections of the lines proved to be very good. *Described on form 567, included with this report.*  
J.R.

The discrepancy overlay has questioned the reservation boundary at the extreme northeastern portion of the Morrison Air Field. The boundary does not extend further north than the Belvedere Road, but does include a right of way for the railroad spur leading into the air base.

Two submarine cable crossings have been shown on the field edit sheet that were omitted during the original field inspection.

Attention is called to the area in the vicinity of Lake Mangonia and Clear Lake. An area that adjoins these lakes was shown originally as low ground, this area is marshland and sufficient notes have been shown on the field edit sheet. During the original contouring of this area, Clear Lake was shown with an elevation of 8.9 feet. This evidently was an extremely dry year.

The water elevation of this lake at the time of the field edit was thirteen (13) feet. The engineer of the West Palm Beach Water Works was consulted about this matter and he agrees with our present elevation of thirteen feet. According to his statistics the elevations of these lakes range from eleven to thirteen feet above sea level, depending on the dryness of the year and how much water is being used. These lakes are not similar to the lakes to the south such as Lake Ida and Lake Osborne as their shoreline is not as apt to change. There is a small spill-way located at the southern portion of Clear Lake on the Okeechobee Road. The water elevation on the south side of this spill-way is four feet lower than the Lake elevation. A ten foot contour beginning on the south side of this spill-way and continuing south was not shown adequately during the original contour work. Sufficient notes have been shown on the photographs concerning this ten foot contour. The ten foot contour also continues west along the West Palm Beach Canal throughout the entire quadrangle.

Attention is called to a group of steel groins located along the Atlantic Ocean just north of Hotel Breakers. These groins were not shown during the original field inspection and have been added during field edit. In general these groins are in poor repair but it was noted that many of them are being repaired.

Attention is called to Everglade Island. Dredging work was in progress during the time of this field edit at the southern-most portion of the island. According to information received from the City Engineer of West Palm Beach, this island will be extended about 1100 feet further south and also will be about the same width as it is now shown.

*Not shown on manuscript. Plans not available. J.R.*

Attention is called to a proposed golf course, which is now known only as West Palm Beach Municipal Golf Course. It is located near the Seaboard Railroad at approximate latitude 26° 39' and longitude 80° 04'. During the field edit this golf course was in process of being constructed. All houses within the area were being moved; all roads were being destroyed and the terrain was being changed. A plat of this proposed golf course is being submitted with this field edit.

*Outlined and labeled "Golf Course, under construction".*

Attention is called to the contours within the limits of the Morrison Field Air Base. There are many small fifteen foot depression contours located near the runways, but there are no twenty foot contours within this area.

There have been numerous instances where buildings and other details were not properly clarified during the original field inspection. Sufficient notes have been shown on the photographs concerning these details. It is to be noted that the buildings in Palm Beach are much larger than the buildings in West Palm Beach.

Attention is called to a thirty-nine foot elevation near the Atlantic Ocean just south of the Palm Beach Country Club Golf Course. This thirty-nine foot elevation is correct. The thirty-five foot contour to be shown around this small mound enclosed an area about fifty feet wide and about one hundred feet long.

Attention is called to a section corner shown during the original field inspection as located at topographic station Nix. This section corner should fall about five hundred feet south of station Nix, which fact was confirmed by the city engineer of West Palm Beach. The section corner marker, however, has been destroyed.

*Station line  
corrected on  
manuscript  
J.R.*

It is to be noted that no detail had been classified on single lense photographs in this quadrangle prior to the field edit; therefore, this latest information should supersede previous inspections. Since these single lens photographs were made at a later date than the nine-lens photographs it is recommended that the draftsman and the reviewer use them as much as possible.

#### No. 48 VERTICAL ACCURACY TEST

The vertical accuracy test was done on a copy of the map manuscript. This work was done by a two man plane-table party during the field edit, in the extreme northern portion of the quadrangle between the Florida East Coast Railroad and the Seaboard Railroad. One-hundred and three points were tested. Ninety per cent of those tested fell within the standards of accuracy. A USC & GS bench mark was used to begin from, and this line was tied into another USC & GS bench mark. The vertical closure was 0.2 foot. The horizontal closure was five meters.

*Included with  
this report. See  
last page.  
J.R.*

#### No. 14 ROAD CLASSIFICATIONS

All roads were re-classified according to instructions dated 30 June, 1945.

#### No. 49 WOODLAND

The woodland overlay prepared by the Tampa Office was found to be very good, although in some instances small changes were made. (See adequacy of the compilation in this report in regard to marsh area).

No. 18 GEOGRAPHIC NAMES 841

*Filed in Geographic Name  
section of Div. of Nautical  
Charts.*

The geographic names for this quadrangle will be submitted in a special report by Mr. Lowell I. Bass.

Bridge names such as Southern Boulevard Bridge, Royal Park Bridge and Flagler Memorial Bridge have been added during the field edit.

The names Golf View and West Gate are two separate words and are correct as shown on the compilation.

The names of four golf courses have been added. There is a question as to the name of the golf course at Hotel Breakers. According to the city engineer of West Palm Beach and many other local citizens this name should be Ponciana Golf Course. According to the caretaker of the golf course the name should be Palm Beach Golf Course. Since there is a golf course located approximately one and one-half mile north of this one which is named Palm Beach Country Club Golf Course, it is recommended that the name Ponciana Golf Course be used.

The map manuscript was examined for possible errors by Mr. George Brockway. Mr. Brockway is the city engineer of West Palm Beach, Florida and has been a resident of Palm Beach County for a number of years. Mr. Brockway gave us information about numerous names, dredging work, a proposed golf course, etc. Mr Brockway's address is Guarantee Building, West Palm Beach, Florida.

The field edit of this quadrangle was done between the months of March and August of 1946 with the majority of the work being done in August.

Respectfully submitted,

*Joseph K. Wilson*  
Joseph K. Wilson  
Photogrammetric Aid

Approved and forwarded

*George E. Morris, Jr.*  
George E. Morris, Jr.  
Chief of Party.

Division of Photogrammetry  
Review Report of  
Topographic Map Manuscript T-8418

Subject numbers not used in this report have been adequately covered in other parts of the descriptive report.

26. Control.-

As no list of control has been made in the Compilation Report and as the Special Report on Control and Radial Plot is not available at this date, a list has been prepared on Form M-2388-12 and made a part of this Descriptive Report.

The U.S.E.D. stations shown on the map manuscript by  $2\frac{1}{2}$  mm circles were cut in during the radial plot. Descriptions, positions, and order of accuracy of these stations were not available. They will not appear on the published map unless they are described on Form 524.

28. Detailing.-

The shoreline of the West Palm Beach Canal at latitude  $26^{\circ}38.7'$  and longitude  $80^{\circ}04'$  was corrected.

Contours were corrected to agree with the vertical accuracy test and to better fit marsh and swamp areas. Depression contours located entirely within the limits of ponds and reservoirs have been removed. The 15-foot depression contour at latitude  $26^{\circ}40.2'$  and longitude  $80^{\circ}04.6'$  was erroneous. It has been deleted.

The limits of the urban area in the vicinity of Clear Lake were changed.

Corrections and additions to the vegetation, marsh, and swamp areas have been made on the Vegetation Overlay.

*Vegetation classification has been transferred to the manuscript.*

38. Comparison with Previous Topographic Surveys.-

T-1649	1:20,000	1867
T-4462a	1:10,000	1927

These surveys are superseded in all common areas by T-8418.

45. Comparison with Nautical Charts.-

Chart No. 846, 1:40,000, 2/24/47

Some of the landmarks and aids to navigation listed on Form 567 by the field parties have not been charted.

T-8418 will be smooth drafted in the Division of Photogrammetry, after which it will be forwarded to the Geological Survey for publication. The following data regarding T-8418 are filed and may be obtained as follows:

- (a) The 1:20,300 scale manuscript corrected after field edit is filed in the Div. of Photogrammetry and may be obtained on request.
- (b) The field edit sheet is filed in the Division of Photogrammetry.
- (c) The descriptive report, together with a 1:20,300 scale photographic copy of the manuscript, is being registered in the Coast and Geodetic Survey archives at this time. When T-8418 is published, a cloth-backed color print will also be registered in the archives. The descriptive report may be obtained on request.

*B. G. Jones*

B. G. Jones  
Technical Assistant to the  
Chief, Division of Photogrammetry  
March 31, 1948

(Refer to Chart Letter No. 136-1947). A check of the position of Light 43 is in Chart Letter No. 783-1945.

~~The railroad bridge over the West Palm Beach Canal should be shown as a fixed bridge.~~

Landmarks are noted on correction sheet. B

Chart No. 1248 1:80,000 11/2/46

Correctly shown as a swing bridge. J.R.

Some of the landmarks listed in Chart Letter No. 136-1947 are not shown. Airway Beacon No. 6 has been destroyed and should be removed from this chart.

This map manuscript has not been applied to either of these charts.

48. Accuracy Tests.

The vertical accuracy test made on this quadrangle meets the specifications for the Project. (See last page of this Descriptive Report) ~~It is believed that~~ this map complies with the national standard map accuracy requirements.

49. Drafting Overlay.

An overlay to aid in smooth drafting has been prepared by the reviewer.

Precinct boundaries are shown in blue on this overlay. All of them could not be shown on the map manuscript because of the density of detail. They are shown in detail on the Street Map of West Palm Beach and Palm Beach, Florida and Vicinity included in the Descriptive Report envelope.

*This quadrangle will be edited and published by the U.S. Geological Survey. J.R. 8 Mar. 48*

Reviewed by:

Reviewed under direction of:

*Jack L. Rihn*  
\_\_\_\_\_  
Jack L. Rihn  
Photogrammetrist  
12 March 1947

*S. V. Griffith*  
\_\_\_\_\_  
S. V. Griffith  
Chief, Review Section

APPROVED BY:

*B. J. Jones 3/48*

Technical Assistant to the  
Chief, Div. of Photogrammetry

*[Signature]*

Chief, Nautical Chart Br.  
Division of Charts

*K. T. Adams*

Chief, Div. of Photogrammetry

*[Signature]*

Chief, Div. of Coastal Surveys



*Note - Election Precincts will not be shown on the published map. B.G. Jones.*

**NOTICE OF CHANGE IN ELECTION PRECINCTS**

At a regular meeting of the Board of County Commissioners of Palm Beach County, Florida, held on December 22, 1941, at which meeting all members of the Board were present, the following resolution was presented and upon motion of Commissioner Cornelius, seconded by Commissioner Byrd and motion unanimously carried, the following resolution was adopted:

BE IT RESOLVED, BY THE BOARD OF COUNTY COMMISSIONERS OF PALM BEACH COUNTY, FLORIDA, in regular session assembled the twenty-second day of December, 1941, that changes be and the same are hereby made in the voting precincts in the City of West Palm Beach, Florida, as follows:

1. Election Precinct No. 4 shall remain as it is.

2. Election Precinct No. 5 in the City of West Palm Beach, Florida (easterly portion of old Precinct No. 5) shall be bounded as follows: On the north by the center of Fortieth Street; on the west by the center line of Broadway Street; on the south by the center line and projected center line of Twenty-Third Street; and on the east by the waters of Lake Worth.

The polling place in said Precinct No. 5 shall be: North Borough Fire Station, 3603 North Poinsettia Avenue.

3. Election Precinct No. 6 in the City of West Palm Beach, Florida (westerly portion of old Precinct No. 5) shall be bounded as follows: on the north by the center line of Fortieth Street; on the west by the city limits of West Palm Beach; on the south by the center line and projected center line of Twenty-third Street; and on the east by the center line of Broadway Street .

The polling place in said Precinct No. 6 shall be: Pure Oil Service Station, corner Broadway and 25 Streets.

4. Election Precinct No. 7 in the City of West Palm Beach, Florida (combination of old Precincts Nos. 6 & 7), shall be bounded as follows: On the north by the center line and projected center line of Twenty-Third Street; on the west by the city limits of West Palm Beach; on the south by the south line of Section 17, Township 43 South, Range 43 East, and the center line of Ninth Street projected west to the east line of Section 17, Township 43 South, Range 43 East; and on the east by the waters of Lake Worth.

The polling place in said Precinct No. 7 shall be: Blake's Drug Store, 1521 North Dixie.

5. Election Precinct No. 8 in the City of West Palm Beach, Florida (combination of old Precincts Nos. 8, 9 and 10), shall be bounded as follows: On the north by the south line of Section 17, Township 43 South, Range 43 East, and the center line of Ninth Street projected west to the east line of Section 17, Township 43 South, Range 43 East; on the west by a line beginning at a point where the center line of Ninth Street projected west intersects the east line of Section 17, Township 43 South, Range 43 East, thence run south to SE corner of said Section 17 and continue south to the West Palm Beach Water Company Canal, thence along east line of said canal and east shore of Clear Lake to a point where the center line of Clematis Street projected west intersects the shore of Clear Lake; on the south by the center line of Clematis Street; and on the east by the waters of Lake Worth;

The polling place in said Precinct No. 8 shall be: Knight's Drug Store, 800 North Dixie.

6. Election Precinct No. 9 in the City of West Palm Beach, Florida (combination of old Precincts No. 11 & 12) shall be bounded as follows: On the north by the center line of Clematis Street; on the west by the east shore of Clear Lake; on the south by the center line of Fern Street; and on the east by the waters of Lake Worth.

The polling place in said Precinct No. 9 shall be: Central Fire Station, Dixie and Datura.

7. Election Precinct No. 10 in the City of West Palm Beach, Florida (old Precinct No. 14) shall be bounded as follows: On the north by the center line of Fern Street; on the west by the east shore of Clear Lake; on the south by the center line of Okeechobee Road; and on the east by the waters of Lake Worth.

The polling place in said Precinct No. 10 shall be: Clark-Warwick Motor Company, 421 South Dixie.

8. Election Precinct No. 11 in the City of West Palm Beach, Florida (portion of old Precinct No. 15) shall include the territory within the following boundaries: Beginning at a point where the center line of Okeechobee Road intersects the center line of Florida Avenue in the City of West Palm Beach, Florida; thence running west along the center line of Okeechobee Road and the north line of Sections 28 and 29, Township 43 South, Range 43 East, to the north quarter corner of Section 29, Township 43 South Range 43 East; thence running south along the north and south quarter section line to the south quarter corner of Section 29; thence running east along the south line of Section 29 to its point of intersection with the center line of the West Palm Beach Stub Canal; thence northeasterly along the center line of the West Palm Beach Stub Canal to its point of intersection with the center line of Park Place produced west; thence running east along the center line of Park Place produced west and the center line of Park Place to its point of intersection with the center line of Florida Avenue; thence north along the center line of Florida Avenue to the point of beginning.

The polling place in said Precinct No. 11 shall be: Palm Beach County Armory, 1703 Lake Avenue.

9. Election Precinct No. 12 in the City of West Palm Beach, Florida (old Precinct No. 13 and part of old Precinct No. 15) shall be bounded as follows: On the north by the center line of Okeechobee Road; on the west by the center line of Florida Avenue; on the south by the center line of Park Place and the center line of Vallette way; and on the east by the waters of Lake Worth.

The polling place in said Precinct No. 12 shall be: East Coast Motors, 901 South Dixie.

10. Election Precinct No. 13 in the City of West Palm Beach, Florida (Part of old Precinct No. 16) shall be bounded as follows: On the north by the center line of Park Place and center line of Park Place projected west to center line of West Palm Beach Stub Canal; on the west by the West Palm Beach Stub Canal; on the south by the center line of Belvedere Road; and on the east by the Florida East Coast Railroad.

The polling place in said Precinct No. 13 shall be: Jake's Service Station, 507 Belvedere Road.

11. Election Precinct No. 14 in the City of West Palm Beach, Florida, (part of old Precinct No. 16 east of Florida East Coast Railroad) shall be bounded as follows: On the north by the center line of Park Place and the center line of Vallette Way; on the west by the Florida East Coast Railroad; on the south by the center line of Belvedere Road; on the east by the waters of Lake Worth.

The polling place in said Precinct No. 13 shall be: Twin City Motors, 2119 South Dixie.

12. Election Precinct No. 15 (portion of old Precinct No. 17 west of Florida East Coast Railroad) shall be bounded as follows: On the north by the center line of Belvedere Road in the City of West Palm Beach, Florida; on the west by the West Palm Beach Stub Canal; on the south by the center line of Southern Boulevard; and on the east by the Florida East Coast Railroad.

The polling place in said Precinct No. 15 shall be: Jack Connell Service Station, corner Southern Boulevard and Parker Avenue.

13. Election Precinct No. 16 in the City of West Palm Beach, Florida, (portion of Old Precinct No. 17 east of the Florida East Coast Railroad) shall be bounded as follows: On the north by the center line of Belvedere Road; on the west by the Florida East Coast Railroad; on the south by the center line of Southern Boulevard; and on the east by the waters of Lake Worth.

The polling place in said Precinct No. 16 shall be: South Borough Fire Station, 415 Southern Boulevard.

14. Election Precinct No. 17 (portion of old Precinct No. 18 west of Florida East Coast Railroad) shall be bounded as follows: Beginning at a point where the center line of the Florida East Coast Railroad intersects the south line of Section 33, Township 43 South, Range 43 East, run thence west along the south boundaries of Sections 33 and 32 to where the south boundary of Section 32 intersects the center line of the West Palm Beach Canal, thence southeasterly along the center line of the West Palm Beach Canal through Lake Clark to the south boundary of the City of West Palm Beach;

thence easterly along the south boundary of the City of West Palm Beach to the center line of the Florida East Coast Railroad; thence north along the center line of the Florida East Coast Railroad to the point of beginning.

The polling place in said Precinct No. 17 shall be: Florida Cities Bus Co. Office, corner Nottingham Boulevard and Georgia Avenue.

15. Election Precinct No. 18 in the City of West Palm Beach, Florida (portion of old Precinct No. 18 east of Florida East Coast Railroad) shall be bounded as follows: On the north by the center line of Southern Boulevard; on the west by the Florida East Coast Railroad; on the south by the city limits of West Palm Beach; and on the east by the waters of Lake Worth.

The polling place in said Precinct No. 18 shall be: Sunray Awning Company, 5202 South Dixie.

Precinct No. 4 commencing at a point where the township line between Townships 42 and 43 south, intersects the west shore of Lake Worth running , thence west along the township line to the northwest corner of Section 6, Township 43 South, Range 43 East, thence south along the west line of said section 6 to the southwest corner, thence east along the south line of sections 6,5,4 and 3 of same township and range to the shore of Lake Worth, thence north along the west shore of Lake Worth to the point of beginning.

Copied from the County Records,  
Palm Beach County, Courthouse.

October 1946

Joseph K. Wilson  
Photo, Aid.

CITY LIMITS AND  
ELECTION PRECINCTS

Quadrangle  
T-8418

ELECTION PRECINCT NO. 19

Commencing at a point where the south boundary of the City of West Palm Beach if prolonged east would intersect the shore of the Atlantic Ocean to a point where the north boundary of the City of West Palm Beach if prolonged east would intersect the shore of the Atlantic Ocean, running thence west along said prolongation of the north boundary of West Palm Beach to the center of Lake Worth, thence south in Lake Worth to a point in Lake Worth on the prolongation east of the south boundary of the city of West Palm Beach, thence east along the prolongation of said south boundary to the shore of the Atlantic Ocean. This shall include all islands and bridge tenders houses in Lake Worth between the north and south boundaries prolonged east of the city of West Palm Beach.

ELECTION PRECINCT NO. 31

Beginning at the northwest corner of section 7, Township 43 South Range 43 East, thence running south along the west boundary of Sections 7, 18, 19, 30 and 31 all in Township 43 South, Range 43 East, continuing thence south along the west boundary of section 6 and 7, to the southwest corner of Section 7, Township 44 South, Range 43 East, thence running east along the south boundary of Section 7, to the southwest corner of Section 7; thence, south along the west boundary of Section 17, Township 44 South, Range 43 East to its intersection with the south boundary of the City of West Palm Beach; thence running east along the south boundary of said city to its intersection with the east boundary of Section 17, Township 44 South, Range 43 East; thence running northerly to and along the center line of the West Palm Beach Canal in Lake Clark to the intersection with the center line of the West Palm Beach Stub Canal; thence running northeasterly along the center line of the Stub Canal to its intersection with the south boundary of Section 29, Township 43 South, Range 43 East, thence running west along the south boundary of Section 29, to the south 1/4 corner; thence running north along the north and south 1/4 section line to the north 1/4 corner; thence running east along the north boundary of section 29 and 28, Township 43 South, Range 43 East, to the intersection with the east shore of Clear Lake; thence, running northerly and westerly to the centerline of the West Palm Beach Water Company's Canal; thence, northwesterly along the center line of said canal to its intersection with the southline of Section 17, Township 43 South, Range 43 East;

ELECTION PRECINCT NO. 31 CONTINUED:

thence, running west along the south line of Section 17 to the southwest corner of said Section 17; thence, running north along the west boundary of Sections 17 and 8 to the northwest corner of Section 8; thence, running west along the north boundary of Section 7, Township 43 South, Range 43 East, to the point of beginning.

ELECTION PRECINCT NO. 33:

Beginning at the northeast corner of Section 1, Township 43 South, Range 41 East; thence west along the township line between townships 42 and 43 south to the northwest corner of Section 3, Township 43 South, Range 38 East; and including the hiatus offset at the junction of Townships 42 and 43 South, Ranges 39 and 40 East; continuing thence south from aforesaid northwest corner of Section 3, Township 43 South, Range 38 East, along the west section lines of Sections 3, 10, 15, 22, 27 and 34 to the southwest corner of Section 34, all of Township 43 South, Range 38 East; thence southerly across the hiatus to the northwest corner of Section 3, Township 44 South, Range 38 East; thence south along the west lines of section 3 and 10, Township 44 South, Range 38 East to the southwest corner of said Section 10; thence east along the south line of Sections 10, 11, 12, Township 44 South, Range 38 East, Sections 7,8,9,10,11,12, Township 44 South, Range 39 East, Sections 7,8,9,10,11,12, Township 44 South, Range 40 East, Sections 7,8,9,10,11, 12, Township 44 South, Range 41 East, to the southeast corner of said section 12, Township 44 South, Range 41 East; thence north along the range line between Range 41 and 42 East to the point of beginning at the northeast corner of Section 1, Township 43 South, Range 41 East.

WEST PALM BEACH CITY LIMITS:

Commencing at the northeast corner of section 5, Township 43, Range 43; thence south along the east line of Section 5, Township 43, Range 43 to the southeast corner of Government Lot 5, Section 5, Township 43, Range 43; thence west along the south line of Government Lots 5-6-15 and 11, Section 5, Township 43, Range 43 to the west line of Section 5, Township 43, Range 43; thence south along the west line of sections 5,8,17 and 20, Township 43, Range 43 to the northwest corner of Section 29, Township 43, Range 43; thence east along the north line of section 29, Township 43, Range 43 to the northeast corner of northwest 1/4 of Section 29, Township 43, Range 43; thence south along the half-section line to the south east corner of southwest/quarter of Section 29, Township 43, Range 43;



WEST PALM BEACH CITY LIMITS CONTINUED:

thence south along east line of northwest quarter of Section 32, Township 43, Range 43 a distance of 520 feet; thence easterly and parallel to the north line of Section 32, Township 43, Range 43 to the west line of northwest quarter of northeast quarter of northeast quarter of Section 32, Township 43, Range 43; thence south along the west line of east half of northeast quarter of section 32, Township 43, Range 43; to southwest corner of northwest quarter of southeast quarter of north east quarter of section 32, Township 43, Range 43; thence east along north line of south half of south east quarter of northeast quarter of Section 32, Township 43, Range 43 to northeast corner of southeast quarter of south east quarter of north east quarter of Section 32, Township 43, Range 43; thence south along the east line of section 32, Township 43, Range 43 to the northeast corner of Section 5, Township 44, Range 43; thence south along the east line of Section 5 and 8, Township 44, Range 43 to the northeast corner of Section 17, Township 44, Range 43; thence south along the east line of Section 17, Township 44, Range 43 a distance of 1005 feet; thence easterly and parallel to the north line of Sections 15 and 16, Township 44, Range 43 to the west shore of Lake Worth; thence east to the middle of the channel of Lake Worth; thence northerly following the middle of the channel of Lake Worth to a point directly east of the point of beginning; thence west to the west shore of Lake Worth; thence westerly along the north line of Section 3 and 4, Township 43, Range 43 to the point of beginning.

PALM BEACH CITY LIMITS:

Beginning at a point in the north line of Township 42 south, of range 43 east, where the same intersects the center of the channel of the East Coast Canal; thence in an easterly direction along the north line of Township 42 South, of Range 43 East to a point where the same intersects the mean low water mark of the Atlantic Ocean; thence in a southerly direction along the mean low water mark of the Atlantic Ocean, including the Lake Worth Inlet and all structures extending into the waters of the Atlantic Ocean, to a point where the north line of Government Lot two, Section 35, Township 44 South, of range 43 East intersects the low water mark of the Atlantic Ocean; thence westerly along the north line of Government Lot 2, Section 35, Township 44 South, of Range 43 East and a prolongation thereof westwardly to the center of the channel of Lake Worth; thence northerly along the center of the channel of Lake Worth and the Florida East Coast Canal to the point of beginning.

PALM BEACH CITY LIMITS CONTINUED:

Excepting from the above description any portion of Hypoluxo Island contained therein and further excepting therefrom that portion of the above lands known as The Lake Worth Casino and withdrawn from the above corporate limits of the town of Palm Beach.

**Note:**

This city limit boundary was changed a few years ago and there was no description available except this old one, but the old description is correct except for the area north of Lake Worth Inlet.

Joseph K. Wilson,  
Photo. Aid

ELECTION PRECINCT NO. 32:

All of Township 43 South, Range 42 East, and Sections 1 to 12 both inclusive, of Township 44 South, Range 42 East.

**Note:**

There was not a good description available for this precinct.

GEOGRAPHIC NAMES

Survey No. T-8418

PALM BEACH, Fla.

1 Name on Survey

	A	B	C	D	E	F	G	H	K
	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	
Florida								USQB	1
Palm Beach County									2
Florida East Coast									3
Seaboard									4
U.S. No. 1									5
Florida 809 Military Trail									6
Atlantic Ocean									7
Florida No. 80									8
Florida No. 1A									9
Florida No. 805									10
									11
Lake Worth (town)									12
Greenacres City									13
Pinner Island									14
West Palm Beach Canal									15
Lake Clarke (not Clark)									16
Lake Worth (lake)									17
Hunters Island									18
Bingham Islands									19
Southern Boulevard (State No. 80)									20
Southern Boulevard Bridge									21
Fisherman Island									22
Tarpon Island									23
Everglade Island (not Lona Cabbage Island)									24
Palm Beach									25
Everglade Club Golf Course									26
									27

GEOGRAPHIC NAMES

Survey No. T-8418

2 Name on Survey

	A	B	C	D	E	F	G	H	K
	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	
<u>Royal Palm Bridge</u>									1
									2
<u>Royal Palm Way</u>									3
<u>Palm Beach Avenue</u>									4
<u>Olive Avenue</u>									4
<u>Poinsettia Avenue</u>									5
<u>Flamingo Park</u>									6
<u>Woodlawn Cemetery</u>									6
<u>West Palm Beach</u>								USGS	7
<u>Lake Avenue</u>									8
<u>Okeechobee Road</u>									9
<u>Ponciana Golf Course</u>									10
<u>Flagler Memorial Bridge</u>									11
<u>Palm Beach Yacht Club</u>									12
<u>Good Samaritan Hospital</u>									13
<u>Palm Beach Country Club Golf Course</u>									14
<u>Broadway</u>									15
<u>Tamarind Avenue</u>									16
<u>Lake Mangonia</u>									16
<u>Clear Lake</u>									17
<u>Military Park</u>									18
<u>Military Trail School</u>									19
<u>West Gate</u>									20
<u>Golf View</u>									21
<u>Belvedere Road</u>									22
<u>Belvedere Country Club</u>									23
<u>Morrison Field Air Base</u>									24
									25
									26
									27
									27

Names underlined in red are approved. 3/10/48 L. Heck



