

# 8807

W. O.

Diag'd. on Diag. Ch. No. 1249

Form 504

## U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHICField No. T-8807 Office No. \_\_\_\_\_

## LOCALITY

State FLORIDAGeneral locality MONROE COUNTYLocality KEY LARGO"GARDEN COVE NE"1947

## CHIEF OF PARTY

Lieut. Comdr. George E. Morris Jr.

## LIBRARY &amp; ARCHIVES

DATE June 7, 1948

B-1870-1 (1)

2088

# RECORD SHEET

Div. of Photogrammetry  
Graphic Compilation Sect.

GENERAL LOCALITY Florida SE Coast

LOCALITY Key Largo

SHEET NO. T-8807

PROJECT NO. Ph-10 (46)

PHOTOS ORDERED..... REC'D 9 Jan. 1947

PROJECTION ORDERED..... REC'D 16 Dec. 1946

SCALE 1:20,000

## CONTROL:

COMPUTED R.J. Pate VERIFIED R. Dossett

PLOTTED R.J. Pate VERIFIED R. Dossett and M.M. Slavney

## PHOTO PREPARATION:

CONTROL R. J. Pate

AZIMUTHS R.J. Pate and M.M. Slavney

PASS POINTS M.M. Slavney

TEMPLATES R.J. Pate VERIFIED M.M. Slavney

## RADIAL PLOT:

PLOTTED BY M.M. Slavney DATE 14 May, 1947

VERIFIED M.M. Slavney DATE 22 May, 1947

## COMPILATION:

DETAIL POINTS R.R. Wagner DATE 23 May, 1947

DETAIL BY R.R. Wagner DATE May-July 1947

VERIFIED BY J.A. Giles DATE July 1947

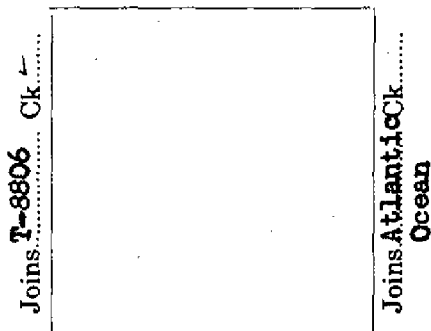
## COMPARISON WITH PREVIOUS SURVEYS; TOPO., HYDRO., AND CHARTS:

No topographic quadrangle available for comparison. Comparison was made with Nautical Charts No. 849 and No. 1249 dated 27 October 1945 and 26 January 1946 respectively. No discrepancies were noted in the shoreline.

## REMARKS

FORWARDED TO..... DATE.....

Joins T-8804 Ck ✓



Joins Atlantic Ocean Ck

Ocean

DATE OF PHOTOS 27 April 1946

TIME OF PHOTOS 0848

STAGE OF TIDE 0.6 Outside above M.L.W.

## DATA RECORD

T- 8807

Quadrangle (II): Garden Cove, ~~N.E.~~ Florida Project No. (II): Ph-10(46)

Field Office: Stuart, Florida Chief of Party: Lieut. Comdr. Ross A. Gilmore

Compilation Office: Tampa, Fla. Chief of Party: Lieut. Comdr. George E. Morris, Jr.

Instructions dated (II III): 21 Oct. 1946

Div. of Photogrammetry,  
Copy filed in Descriptive Office Files  
Report No. T- (VI)

Completed survey received in office: 1-26-48

Reported to Nautical Chart Section:

Reviewed: 5-4-48

Partially  
Applied to chart No. 1249  
849Date: 10-17-47  
10-31-47

Redrafting Completed:

Registered: 5-24-48

Published:

Compilation Scale: 1:20,000

Published Scale:

Scale Factor (III): None

Geographic Datum (III): N.A. 1927

Datum Plane (III): M.S.L.

Reference Station (III): Baker, 1934

Lat.: 25° 10' 55.560" (1709.6m) Long.: 80° 21' 13.440" (376.3m) Adjusted  
~~Unadjusted~~

State Plane Coordinates (VI): Florida, East Zone

X = 713,721

Y = 308,936

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
16313	27 April '46	0846 EST.	1:20,000	0.6 Outside:08 Largo Sound
16314	27 April '46	0848 "	"	0.6 outside
16315	27 April '46	0849 "	1:20,000	0.6 "
16345	27 April '46	0957 "	1:20,000	0.5 "
16332	27 April '46	0923 "	1:20,000	0.5 "

Tide from (III): Mayport, Florida

Mean Range: 2.2

Spring Range: 2.6

Camera: (Kind or source) U.S.C. & G.S. 9-Lens 8 $\frac{1}{4}$ " focal length

Field Inspection by: J.D. Weiler ; E.H. Taylor

date: May 1947

L.V. Evans, III

Field Edit by: J. D. Weiler

date: Nov. 1947

Date of Mean High-Water Line Location (III): April 1947

Projection and Grids ruled by (III) Washington Office date: 11 Dec. 1946

" " " checked by: Washington Office date: 11 Dec. 1946

Control plotted by: R.J. Pate date: 6 Feb. 1947

Control checked by: R. Dossett date: 7 February, 1947

Radial Plot by: M.M. Slavney date: 23 May, 1947

Detailed by: Robert R. Wagner date: July 1947

Reviewed in compilation office by: J.A. Giles date: July 1947

Elevations on <sup>Map Manuscript</sup> ~~Field Notes~~  
checked by: J.A. Giles

date: July 1947

STATISTICS (III)

Land Area (Sq. Statute Miles): 5.5

Shoreline (More than 200 meters to opposite shore): 16.7 Statute Miles

Shoreline (Less than 200 meters to opposite shore): 9.8 Statute miles

Number of Recoverable Topographic Stations established: 12

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles: 6.5 Statute 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:

MAP T-8807

PROJECT NO. Ph-10 (46)-

SCALE OF MAP 1:20,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\mu$ -COORDINATE LONGITUDE OR $x$ -COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION		N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
					FORWARD	(BACK)			FORWARD	(BACK)	FORWARD	(BACK)
HOT 1930	G.P. Acc.N 394	N.A. 1927	25° 14'	49.858"					1534.1 (312.1)			
	"	"	80 20	06.699					187.5 (1491.7)			
Pt. ELIZABETH 2.- 1934	360	"	25 14	12.881					396.3 (1449.9)			
	"	"	80 19	03.255					91.1 (1588.2)			
LARGO NORTH 3 1930	360	"	25 14	07.155					220.2 (1626.0)			
	"	"	80 20	12.757					357.0 (1322.3)			
BEACON NO. 29 1934	"	"	25 13	50.082					1541.0 ( 305.2)			
	371	"	80 17	21.037					588.8 (1090.6)			
WHITE 1934 (WHITEHOUSE)	"	"	25 13	28.270					869.9 (976.3)			
	385	"	80 19	41.830					1170.9 (508.6)			
LAR 1934	"	"	25 13	05.180					159.4 (1686.8)			
	385	"	80 19	48.540					1358.8 ( 320.8)			
BEACON 1934 (Near Bn.No.31)	"	"	25 13	02.523					77.6 (1768.6)			
	371	"	80 17	31.662					886.3 (793.3)			
BEACON No. 31 1934	"	"	25 13	05.121					157.6 (1688.6)			
	371	"	80 17	59.079					1653.8 ( 25.8)			
NES 1930	"	"	25 12	21.201					652.4 (1193.8)			
	394	"	80 22	17.509					490.2 (1189.4)			
BARNES 1934	"	"	25 12	28.597					879.9 ( 966.3)			
	365	"	80 21	24.001					671.9 (1007.8)			
MARY 1934	"	"	25 12	21.442					659.8 (1186.4)			
	371	"	80 20	15.886					444.7 (1235.1)			
* TOM'S SHIP 1934	"	"	25 12	23.983					738.0 (1108.2)			
	379	"	80 15	50.796					1422.1 (257.6)			

1 FT. = 3048008 METERS  
COMPUTED BY: R.J. Pate

DATE 21 Jan. 1947

CHECKED BY: R. Dossett

DATE -31- January 1947

M-2388-12

MAP T- 8807

PROJECT NO. Ph-10 (46)

SCALE OF MAP 1:20,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $\lambda$ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
CARYSPORT REEF L.H.	G.P. No. 403	N.A. 1927	25° 13' 17.305 80 12 41.927				532.5 (1313.7) 1173.6 (505.9)		Outside limits of quadrangle.
K NOWLSON	"	"	25 12 03.092				95.1 (1751.1)		
GO - 1934	323	"	80 20 52.669				1474.6 (205.2)		
	"	"	25 11 41.980				1291.7 (554.5)		
	385	"	80 20 37.750				1056.9 (623.0)		
BAKER 1934		"	25 10 55.560				1709.6 (136.6)		
	371	"	80 21 13.440				376.3 (1303.7)		
UPPER SOUND PT.	"	"	25 10 06.836				210.3 (1635.9)		
	360	"	80 20 59.936				1678.4 (1.8)		
TAIU 1934	"	"	25 09 10.499				323.1 (1523.1)		
	378	"	80 21 30.582				856.5 (824.0)		
* WRECK 1934	"	"	25 08 49.549				1524.6 (321.60)		
	378	"	80 15 28.149				788.4 (892.1)		
WILL 1934	"	"	25 08 12.481				384.0 (1462.2)		
	"	"	80 22 17.283				484.1 (1196.5)		
PT WILLIE 1853	"	"	25 08 12.406				381.7 (1464.5)		
	378	"	80 22 16.915				473.8 (1206.9)		
BEACON NO. 33	"	"	25 08 09.281				285.6 (1560.6)		
	371	"	80 20 08.506				238.3 (1442.4)		
* BEACON "D"	"	"	25 08 22.680				697.8 (1148.4)		
1934	371	"	80 15 48.880				1369.2 (311.5)		
JULIA ISLAND NO 3	"	"	25 09 10.21				314.2 (1532.0)		
1853	520	"	80 21 30.00				840.2 (840.2)		

1 FT. = 3048004 METER  
COMPUTED BY: R. J. Pate

\* Stations reported lost or destroyed and do not appear on map manuscript.

DATE 21 Jan. 1947

CHECKED BY: R. Dossett

DATE 31 Jan. 1947

M-2388-12

# FIELD INSPECTION REPORT

TO ACCOMPANY

QUADRANGLE T-8807

"GARDEN COVE ~~NZ~~"

PROJECT Ph-10(46)

19 May 1947

## 1. DESCRIPTION OF THE AREA

This standard, 7 $\frac{1}{2}$ -minute quadrangle (N2507.5-W8015/7.5) lies in the northern part of Monroe County, Florida, near the middle of Key Largo, the largest of the Florida Keys. There are about 5 $\frac{1}{2}$  square statute miles of land area, principally on Key Largo and the north end of Julia Island; the rest of the quadrangle falls in Barnes Sound and the Atlantic Ocean.

Key Largo is accessible from the Florida mainland via U.S. Hwy. 1, although that highway does not pass through this quadrangle. However, there is a surfaced road running the length of Key Largo, linking the northern part of the island with U.S. Hwy. 1.

There are several lime groves on Key Largo; no other cultivation appears within the quadrangle.

There are no communities nor population centers in this area.

Charter boats and other facilities for sport fishing are available at Garden Cove and at the fishing lodge just north of Garden Cove.

The shoreline in general is mangrove covered marl or mangrove growing in the water. The fast land on the shoreline is mainly coral with an occasional stretch of sand.

## 2. COMPLETENESS OF FIELD INSPECTION

Field inspection was done as a part of the plane table contouring and it is believed to be adequate. New buildings and clearings have been added to the photographs. There are numerous lime orchards in the quadrangle that are grown up and appear almost as brush on the photos. However they are not abandoned.

## 3. INTERPRETATION OF PHOTOGRAPHS

The light phase of the photo, directly offshore, with darker spots, is due entirely to the differentiation in depth and composition of the ocean floor. The vegetation and related photograph tones are similar to that of the part of Key Largo falling in Quadrangle 8804. Report filed in Div. of Photogrammetry, General Files



4. HORIZONTAL CONTROL:

The only known horizontal control is U.S.C. & G.S. triangulation; a search was made for all stations, and all land stations recovered were identified on the photographs except for BARNES, 1934, which could not be identified because of lack of well-defined details in the vicinity. It is believed that sufficient control has been recovered and identified to control the radial plot.

5. VERTICAL CONTROL:

The only permanent vertical control within this quadrangle is the group of tidal bench marks at Garden Cove; these were recovered and identified.

A wye level line was run from the tidal bench mark at Pumpkin Key (Quadrangle 8804) to Garden Cove to establish temporary level point for control of contouring. The closure on this line was 0.14 feet, hence no adjustment was necessary.

Level notes are recorded in Vol. 4, Wye Leveling, Project Ph-10(46)  
*Filed in Div. of Photogrammetry - General Files*

6. CONTOURS AND DRAINAGE:

There is no discernible drainage pattern on the keys. The topography consists of an irregular coral ridge running down the north-west side of Key Largo. It rises rapidly from the edge of the mangrove and the five foot contour is usually within 100 to 200 ft. from the edge of the hard land.

Contouring was done by plane table methods with cross sections run across the key at intervals and contours sketched with the aid of a stereoscope.

Contouring was done during May, 1947 by John D. Weiler, Photogrammetrist.

7. MEAN HIGH-WATER LINE:

The apparent shoreline was delineated on mangrove shoreline, fast land is delineated as actual shoreline. Tick marks were used marking the differentiation between the hard and fast land and the apparent shoreline. In general a small boat was used and run as close inshore as possible to delineate the mean high water line.

Shoreline inspection is on photographs Nos. 16313 (print 2), 16314 (print 2) and 16315 (print 2).

8. LOW-WATER LINE:

The small range of the tide and the very gradual slope of the bottom made it practically impossible to delineate the low-water mark. Therefore the delineation of low water is spotty due to not being in the area at or near low water. In most cases the low-water line coincides with apparent shoreline in as much as the water comes to and flows through the mangrove. Wherever possible the low-water line has been marked with the approximate low-water symbol.

9. WHARVES AND SHORELINE STRUCTURES:

All docks and buildings along the waterfront have been noted on the shoreline photographs. They are the Gulfstream Fishing Lodge pier and A.V. Peacock's pier at Garden Cove.  
C106

10. DETAILS OFFSHORE FROM HIGH-WATER LINE:

A small wreck about 7100 feet southwest of Upper Sound Pt., 600 feet offshore, lies in approximately 3 feet of water and is bared at half tide. A small house (shack) sets on piles 4000 feet easterly from the dock of A.V. Peacock at Garden Cove, near the entrance to the Garden Cove Channel. Both are identified on the shoreline photographs.

See Review Report  
A wreck, bare 6 ft. at MHW, in approximate Lat. 25-09.2, Long. 80-18.2, was located by sextant fix. The wreck, charted in Lat. 25-12.4, Long. 80-15.9, was located by sextant and found to have moved to present position at approximate Lat. 25-12.5, Long. 80-14.8. Three poles, one just east of Basin Hill Lt. ← See Review Report  
31 EH, and two just southwest of Elbow Reef Daybeacon B, were located by sextant fixes. These are included in the list of dangers, submitted in conjunction with the report on nonfloating aids.

No additional details requiring investigation by a hydrographic party were observed during this field inspection.

11. LANDMARKS AND AIDS TO NAVIGATION: Chart Letter 591, 1947

All fixed aids to navigation within the limits of the quad were located. Refer to project report for list and methods of location  
Filed in Div. of Photogrammetry, General Files

One new landmark, WHITE HOUSE (Gulfstream Lodge), is recommended on the Report on Landmarks for the project.  
Charted as House, S. Gable.

12. HYDROGRAPHIC CONTROL:

No hydrographic signals were required for this project.

13. LANDING FIELDS AND AERONAUTICAL AIDS:

There are no landing fields nor aeronautical aids within the quadrangle.

14. ROAD CLASSIFICATION:

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

Roads were reclassified by the Field Editor

15. BRIDGES:

There are no bridges within the quadrangle limits.

16. BUILDINGS AND STRUCTURES

All buildings to be shown were circled in red, small buildings and shacks to be omitted were deleted in green.

17. BOUNDARY MONUMENTS AND LINES

This quadrangle lies entirely within Precinct No. 7, Monroe County, Florida. There are no incorporated villages and no boundary lines within the quadrangle.

18. GEOGRAPHIC NAMES Report Filed in Div of Charts, Geographic Names Section.

See Special Report on Geographic Names, Project Ph-10(46), submitted by Lowell I. Bass, Engineering Aid.

19. TOPOGRAPHIC STATIONS

Permanent, recoverable topographic stations were established using standard topographic disks or natural objects. Stations were spaced so that, with the triangulation previously established and recovered, control points are available at about one-mile intervals.

Forms 524 Filed in Div of Photogrammetry, General Files.

20. SYMBOLS

Symbols used in the field inspection have been shown on the reverse of photograph 16313 (#2).

21. PUBLIC LAND LINES See Review Report for T 8806

No section corners were recovered in this quadrangle because of lack of adequate information at the time of field inspection and the very dense under growth covering most of the area.

A print of "Survey Showing Location of Test Well in Barnes Sound, Sec. 29, T59S-R40E, Key Largo, Monroe County, Florida" by the Biscayne Engineering Co. is submitted with the field records for this quadrangle. The section line information on this plan is rather sketchy for the area of Quadrangle 8807, and did not lead to the recovery of any of the corners.

However, section line data is slightly better in the adjoining Quadrangles 8804 and 8806. It is recommended that the section lines in this area be compiled as well as available data permit, and further investigation by the field edit party be requested, using the compilation as a guide.

SUBMITTED BY:

*E. H. Taylor*  
E. H. Taylor *ME*  
Engineering Aid  
(Shoreline Inspection and  
Control Recovery)

*John D. Weiler*  
John D. Weiler  
Photogrammetrist  
(Topography and Interior  
Inspection)

SUPERVISED:

*Lewis V. Evans* *TH*  
Lewis V. Evans, III  
Lieut. (jg)

APPROVED AND FORWARDED:

*Ross A. Gilmore*  
Ross A. Gilmore *6-12-47*  
Chief of Party

Homestead, Fla.

25 April 1947

To: Commander, 7th Coast Guard District  
Miami, Fla.

From: Officer in Charge  
Coast and Geodetic Survey  
Homestead, Fla.

Subject: Wreck VIGINTI; present position

1. The present position of subject wreck, now approximately 6 feet above mean high water, has been found to be 6.42 nautical miles, bearing 230° 15' true, from Caryfort Reef Lighthouse.

2. Subject wreck has moved inshore from the location at which it originally grounded, according to Capt. A. V. Peacock, charter boat operator out of Garden Grove. Its present position near the east side of Hawk Channel presents a danger to navigation; further inshore movement of the wreck is a potential menace to Hawk Channel Traffic.

*See Chart Letter 78, 1948*

Lewis V. Evans, III

cc: Director, Coast and Geodetic Survey

Chief of Party  
Coast and Geodetic Survey  
Stuart, Fla.

COMPILATION REPORT  
TO ACCOMPANY  
GARDEN COVE ~~N.E.~~ QUADRANGLE T-8807

26 AND 27. CONTROL AND RADIAL PLOT:

A special report was prepared and submitted to the Washington Office 29 May, 1947 by M.M. Slavney, Photogrammetric Engineer.

*Filed in Div of Photogrammetry, General Files*

28. DELINEATING:

The nine lens photographs covering this quadrangle were of good scale.

The field inspection was adequate leaving only a few discrepancies which are pointed out on the discrepancy overlay.

29. SUPPLEMENTAL DATA:

None was used.

30. MEAN HIGH WATER LINE:

See field inspection report item No. 7.

31. LOW WATER AND SHOAL LINES:

See field inspection report item No. 8.

The approximate shoal limits were put on the map manuscript in some places where they could be seen.

32. DETAILS OFFSHORE FROM THE HIGH WATER LINE:

See field inspection report.

33. WHARVES AND SHORELINE STRUCTURES:

See field inspection report item No. 9.

34. LANDMARKS AND AIDS TO NAVIGATION:

See field inspection report item No. 11.

One position could not be plotted with the information received. See discrepancy overlay. Station is triangulation station Beacon, 1934

The project report covering landmarks and non-floating aids to navigation will be submitted with final map manuscript of the project.

*Chart Letter 591, 1947*

35. HYDROGRAPHIC CONTROL:

No hydrographic control was required.

36. LANDING FIELDS AND AERONAUTICAL AIDS:

See field inspection report item No. 13

37. SECTION CORNERS: See Review Report for T 8806

No attempt has been made to construct section lines on this quadrangle. See a special report on the subject by William A. Rasure, Photogrammetric Engineer, 9 July, 1947, which was submitted with quadrangle No. T-8803 9 July, 1947.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLE:

None available for comparison.

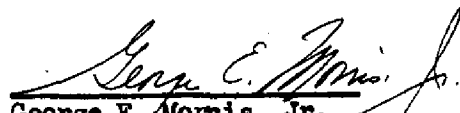
45. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with charts No. 849 dated 27 October, 1945 and No. 1249 dated 26 January, 1946. No discrepancies were noted in the shoreline. See Review Report

Respectfully submitted,

  
Robert R. Wagner,  
Engineering Draftsman

Approved and Forwarded:

  
George E. Morris, Jr.  
Chief of Party.

# FIELD EDIT REPORT

QUADRANGLE T-8807

"GARDEN COVE ~~X~~"

PROJECT Ph-10 (46)

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

## 46. METHODS

In field editing the map manuscript all inshore features were checked by truck, traversing all roads. The shoreline was checked by small launch keeping as close to the shore as possible. All data added to the map were plotted from topographic features or cut in by planetable methods. All aids to navigation were visually verified.

## 47. ADEQUACY OF THE MAP MANUSCRIPT

The map manuscript was adequate and correct except for a few minor changes.

The only major discrepancy noted was in woodland classification along the east side of Key Largo. The mangrove classification was shown inshore to the edge of the woods. However, between the mangrove and woods is a strip of flat coral rock which has grown up with sagebrush and cactus. It is easily seen on the photographs and has been shown in random spots on photograph 16315. The line between the mangrove and brush should be added to the map manuscript.

All roads were reclassified according to Photogrammetry Instructions No. 10 and amendment dated 24 October 1947.

The wreck "Toms Ship" is in the location shown on the map manuscript.  
*Outside the limits of the Quadrangle.*

The wreck "Vicente" has broken up and shifted to deeper water and should be deleted. *Chart Letter 78, 1948*

## 48. VERTICAL ACCURACY TEST

No vertical accuracy tests were specified for Project Ph-10 (46). From a visual inspection, the contours appear in good placement.

## 49. PUBLIC LAND LINES

See field edit report for quadrangle T-8804, relative to this item.

The map manuscript was reviewed <sup>by</sup> Capt. A.V. Peacock, charter boat ~~boat~~ fisherman at Garden Cove. A resident of the locality over



60 years and very familiar with the area within the quadrangle,  
he was a great help in the field edit. He could find no errors.

*John D. Weiler*

John D. Weiler  
Photogrammetrist

Supervised:

*William A. Rasure*

William A. Rasure  
Photogrammetric Engineer

APPROVED AND FORWARDED

*Ross A. Gilmore*

Ross A. Gilmore  
Chief of Party

Division of Photogrammetry  
Review Report of  
Topographic Map Manuscript T-8807

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

26. Control.--The triangulation station Largo North 3, 1930, classified as lost by the field inspection party, has been removed from the map manuscript. Largo North 3, Reference Mark 1 has been shown as a triangulation station.

The light list names of triangulation stations that are also Aids to Navigation, have been added to the map manuscript.

28. Detailing.--The symbolization of spot elevations was changed to conform with paragraph 69 of Photogrammetry Instructions No. 17.

31. Low-Water and Shoal Lines.--The shoal lines were removed from the map manuscript in accordance with paragraph 34 of Photogrammetric Instructions No. 17. They did not indicate an abrupt change in depth nor follow a depth curve.

Because no limits were shown on the low water area south of Rattlesnake Key, the depth note and shoal line were removed. Nautical Chart 1249 shows soundings from  $\frac{1}{2}$  to 5 feet in the area.

34. Landmarks and Aids to Navigation.--Forms 524 and 567 have been submitted for nine (9) Aids to Navigation and one (1) landmark within the limits of the quadrangle. See Chart Letter 591, 1947. The wreck, Vicente, has broken up since the time of the field inspection. See Chart Letter 78, 1948. Copies of the Forms 567 are filed in the Division of Photogrammetry, General Files in a special report for the project.

The position for Garden Cove Tidal Benchmark 3 was corrected on the Form 524.

The topographic station, Pile, 1947, charted as Pile, is triangulation station Beacon, 1934. The Form 524 card has been destroyed.

38. Section Lines.--See Review Report for T-8806.

40. Geographic Names.--Names were added to the map manuscript from the approved list submitted by the Geographic Names Section.

44. Comparison with Existing Topographic Surveys.--

574	1:20,000	1855
747	1:20,000	1859
758	1:20,000	1859
1154	1:40,000	1870
4577	1:20,000	1928
4601	1:20,000	1928
5538	1:20,000	1935
6361	1:20,000	1934

These surveys are superseded in common areas and detail by T-8807.

45. Comparison with Nautical Charts.--

Chart No. 1249	1:80,000	1937 Corr. 1947
Chart No. 849	1:40,000	1939 Corr. 1948

The map manuscript has been partially applied to the nautical charts. The following discrepancies were noted.

The pier at Garden Cove is not shown on Chart No. 1249.

The wreck shown at latitude  $25^{\circ}09.1$ , longitude  $80^{\circ}13.1'$  on Chart No. 1249 has broken up. See Chart Letter 78, 1948.

The shoreline at Pt. Mary and at latitude  $25^{\circ}13'$ , longitude  $80^{\circ}20'$  on the map manuscript is considerably different on the charts.

48. Vertical Accuracy Test.--See Field Edit Report.

49. Overlays.--An overlay was prepared indicating the marginal data, road classifications and route numbers, road destinations and distances, selected spot elevations, triangulation stations, aids to navigation and landmarks that are to be shown by the smooth draftsman.

Reviewed by:

Charles Theurer  
C. Theurer  
5-4-48

APPROVED:

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## NAUTICAL CHARTS BRANCH

SURVEY NO. 7-8807

## Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.