W. O.

8808

Diag'd on Diag. Ch. No. 1249

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey PHOTOGRAMMETRIC

Field No. T-8808 *Office No.*

LOCALITY

State FLORIDA

General locality HOMESTEAD

Locality ROCK HARBOR

1947

CHIEF OF PARTY

George E. Morris, Jr.

LIBRARY & ARCHIVES

DATE June 3, 1948

8-1870-1 (1)

8808

RECORD SHEET

Div. of Photogrammetry
Graphic Compilation Sect.

GENERAL LOCALITY Florida East Coast

LOCALITY Homestead

SHEET NO. T-8808

PROJECT NO. Ph-10(46)

SCALE 1:20,000

PHOTOS ORDERED ..... REC'D 9 Jan. 1947 4 Feb. 1947

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

CONTROL:
COMPUTED R.J.Pate VERIFIED R. Dossett R. Dossett
PLOTTED R.J.Pate VERIFIED M.M.Slavney

PHOTO PREPARATION:
CONTROL R.J.Pate-M.M.Slavney

AZIMUTHS R.J.Pate-M.M.Slavney

PASS POINTS R.J.Pate-M.M.Slavney

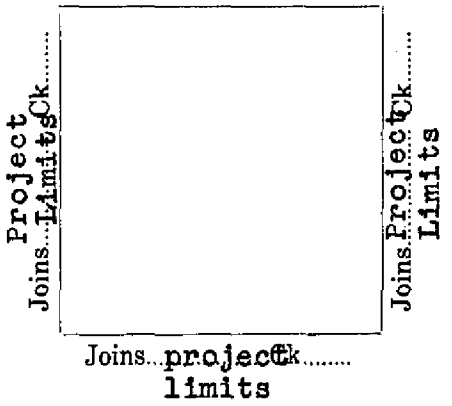
TEMPLETS R.J.Pate VERIFIED M.M.Slavney

RADIAL PLOT:
PLOTTED BY M.M.Slavney DATE 14 May 1947

VERIFIED M.M.Slavney DATE 14 May 1947

COMPILATION: W.H.
DETAIL POINTS Shearouse DATE May 1947
W.H.
DETAIL BY Shearouse DATE May-July 1947

VERIFIED BY J.A.Giles DATE July, 1947



DATE OF PHOTOS 27 April 1946

TIME OF PHOTOS 0841-0921 EST

STAGE OF TIDE 0.7 ft. above M. L. W.

COMPARISON WITH PREVIOUS SURVEYS; TOPO., HYDRO., AND CHARTS:
Planimetric sheet T-5538: (1) Florida East Coast Railroad(abandoned) is now U. S. Hwy No. 1 (2) The old overseas highway (Fla.Hwy No. 4A) is now a secondary road (3) Numerous minor cultural changes are noted (4) Shoreline agreement is very good. The only discrepancy worthy of mention being in lines delineating the mangrove.
Planimetric sheet T-5539: Agreement is excellent. The Florida East Coast R. R. (abandoned)is now U. S. Hwy 1, and the old overseas highway is now a 3rd class road, are the only changes worthy of note.
Nautical charts 1249 and 3261: Visual comparison only due to the large scale differences, shoreline appears to be in very good agreement.

REMARKS .....

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

M-2305-12

Form T-1

DATA RECORD

T- 8808

Quadrangle (II): Rock Harbor, Florida Project No. (II): Ph-10(46)

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

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

Instructions dated (II III): 21 Oct. 1946 Copy filed in ~~Descriptive Report No. T-~~ Div. of Photogrammetry - Office Files (VI)

Completed survey received in office: 2-2-48

Reported to Nautical Chart Section:

Reviewed: 3-26-48 Partially Applied to chart No. 1249 Date: 10-17-47

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): Mac, 1934

Lat.: 25° 04' 22"774(700.7m) Long.: 80° 27' 38"828(1088.2m) Adjusted

State Plane Coordinates (VI): Florida Coordinate System, East Zone

X = 678,476.75 Y = 269,129.99

Military Grid Zone (VI)

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
16310	27 April,1946	0841 EST	1:20,000	0.7 above MLW
16311	"	0842 "	"	0.7 "
16312	"	0844 "	"	0.6 "
16331	"	0921 "	"	inside photograph, tide negligible.

Tide from (III): Mayport, Florida

Mean Range: Outside-2.2 ft. Spring Range:
Inside -Negligible

Field Inspection by: J. D. Weiler Date: March-May 1947
E. H. Taylor

Camera: 9 lens, 8¼ focal length
Camera: (Kind or source)
U. S. Coast and Geodetic Svy.

Field Edit by: J. D. Weiler date: Dec. 1947

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

Projection and Grids ruled by (III) T.L.J. (W.O.) date: 11 Dec. 1946

" " " checked by: T.L.J. (W.O.) date: 11 Dec. 1946

Control plotted by: R. J. Pate date: 11 Feb. 1947

Control checked by: R. Dossett & M.M. Slavney date: 24 Feb. 1947
10 Mar. 1947

Radial Plot by: M. M. Slavney date: 14 May 1947

Detailed by: W. H. Shearouse date: May-July 1947

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

Elevations on Map Manuscript checked by: J. A. Giles date: July 1947

STATISTICS (III)

Land Area (Sq. Statute Miles): 7.4

Shoreline (More than 200 meters to opposite shore): 41.2 Stat. Miles

Shoreline (Less than 200 meters to opposite shore): 4.8 " "

Number of Recoverable Topographic Stations established: 27

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles: 11.5

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-8808 PROJECT NO. Ph-10 SCALE OF MAP 1:20,000 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 FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
Julia Island No. 5, 1852-1908	G.P. Access No. 518	N.A. 1927	25° 07' 15"230			468.6 (1377.4)	
			80 23 07.658			214.5 (1466.4)	
Basin, 1934	364	"	25 07 02.102			64.7 (1781.5)	
			80 25 22.376			626.9 (1054.1)	
Rock Harbor, * 1935	323	"	25 06 34.118			1049.8 (796.4)	
			80 25 33.069			926.5 (754.6)	
Sever 2, 1934	363	"	25 06 31.679			974.7 (871.5)	
			80 29 18.515			518.8 (1162.3)	
Lower South Pt. 1853	378	"	25 06 20.783			639.5 (1206.7)	
			80 23 59.923			1678.9 (2.2)	
Bruin, 1860-1934	364	"	25 06 15.149			466.1 (1380.1)	
			80 26 13.724			384.5 (1296.6)	
Baker, 1934	363	"	25 06 06.166			189.7 (1656.5)	
			80 28 37.924			1062.6 (618.5)	
Cleve, U.S.E.D. * 1934	363	"	25 04 41.918			1289.8 (556.4)	
			80 29 33.490			938.5 (743.0)	
Rock Harbor Sq. Tower, Flagpole * 1934	364	"	25 04 44.646			1373.7 (472.5)	
			80 27 23.502			658.6 (1022.9)	
Pt. Charles 2 1934	359	"	25 04 32.979			1014.7 (831.5)	
			80 26 36.038			1010.0 (671.5)	
Mac, 1934	379	"	25 04 22.774			700.7 (1145.4)	
			80 27 38.828			1088.2 (593.4)	
Mosquito Bk.Lt. 1934	361		25 04 21.341			656.6 (1189.5)	
			80 23 34.910			978.4 (703.2)	

1 FT. = .3048006 METER

COMPUTED BY: R. J. Pate DATE: Jan 22, 1947

Plotted: R.J.Pate Feb. 11, 1947

CHECKED BY: R. Dossett DATE: Jan 31, 1947

checked R. Dossett Feb 24, 1947

M-2388-12

MAP T- 8808 PROJECT NO. Ph-10 SCALE OF MAP 1:20,000 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 FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
Road, 1860	G.P. Access. 363	N.A. 1927	25° 04' 25"215			775.8 (1070.3)	
			80 27 57.985			1625.0 (56.5)	
Lime, 1934	379	"	25 03 08.42			259.1 (1587.1)	
			80 28 48.58			1361.7 (320.1)	
Dove Key 2 * 1908	511	"	25 02 51.232			1576.4 (269.7)	
			80 28 27.751			777.9 (904.0)	
Vode, 1934	368	"	25 02 23.466			722.0 (1124.1)	
			80 29 34.436			965.4 (716.7)	
Beacon No. 37 * Hawk Channel	378	"	25 02 17.80			547.7 (1298.4)	
			80 25 47.28			1325.4 (356.6)	
Beacon "E" French Reef, 1934	378	"	25 02 07.963			245.0 (1601.1)	
			80 21 03.379			94.7 (1587.4)	
Wreck Point * 1857	370	"	25 01 22.396			689.1 (1157.0)	
			80 29 41.055			1151.1 (531.2)	
Sawyer, 1934	370	"	25 01 22.613			695.8 (1150.3)	
			80 29 41.370			1159.9 (522.3)	
Molasses Reef Beacon No. 5 * 1934	378	"	25 01 33.583			1033.3 (812.8)	
			80 23 47.723			1338.0 (344.2)	
* Molasses Reef Bn.NO.3, 1934	378	"	25 01 32.087			987.3 (858.8)	
			80 23 43.772			1227.2 (455.0)	
Molasses Reef Beacon No. 1 * 1934	379	"	25 01 30.445			936.8 (909.3)	
			80 23 39.446			1105.9 (576.3)	
Molasses Reef L.H., 1934 *	359	"	25 00 40.934			1259.5 (586.6)	
			80 22 36.070			1011.4 (671.0)	

1 FT. = .3048006 METER

COMPUTED BY R.J. Pate DATE 22 Jan. 1947 CHECKED BY R. Dossett DATE 31 January 1947

M-2388-12

MAP T-8808 PROJECT NO. Ph-10 SCALE OF MAP 1:20,000 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 FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
Beacon 39 "T" * 1934	G.P. Access 369	N.A. 1927	25° 00' 35"438			1090.4 (755.7)	
			80 27 28.160			789.6 (892.8)	
Elba, 1852	518	"	25 07 29.761			915.7 (930.5)	
			80 24 05.629			157.7 (1523.1)	
Taurus 1857-1908		"	236,378.21	6378.2(3621.8)		1944.1 (1103.9)	Outside
			651,572.32	1572.3(8427.7)		479.2 (2568.8)	Project
Plantation Point 1857		"	226,563.96	6564.0(3436.0)		2000.7 (1047.3)	Outside
			643,785.57	3785.6(6214.4)		1153.9(1894.1)	Project
Hammer U.S.E. 1929		"	253,571.56	3571.6(6428.4)		1088.6 (1959.4)	Outside
			660,645.45	645.4(9354.6)		196.7 (2851.3)	Project
Mosquito Bk. Bn. No.35 1935	517	"	25° 04' 20"95			644.5 (1201.6)	
			80 23 35.32			989.9 (691.7)	
			* Asterisk indicated station is either lost or destroyed and does not appear on map manuscript.				

1 FT. = .3048006 METER

M-2388.12

COMPUTED BY: R.J. Pate DATE 22 Jan. 1947 CHECKED BY: R. Dossett DATE 31 Jan. 1947

FIELD INSPECTION REPORT

TO ACCOMPANY

QUADRANGLE T-8808

"ROCK HARBOR"

PROJECT Ph-10(46)

15 May 1947

1. DESCRIPTION OF THE AREA

This standard, 7½-minute quadrangle (N2500-W8022.5/7.5) lies in the northern part of Monroe County, Florida, near the south end of Key Largo. There are about 6 square statute miles of land area within the quadrangle, made up of a part of Key Largo and Julia Island, Rodriguez Key and several smaller islands offshore from Key Largo.

The only developed area is on Key Largo; U.S. Hwy. 1 runs the full extent of the Key within the quadrangle, with several restaurants, filling stations, taverns, and camps along the highway. There are numerous lime groves on Key Largo, but no other cultivation.

Rock Harbor, a small, unincorporated community, is the only population center in the quadrangle. However, the development of this section of Key Largo is progressing rapidly, and a relatively dense settlement of the area along the highway may from all indications be expected.

The shoreline, in general, is mangrove-covered marl or mangrove growing in the water. The fast land along the shoreline is mainly coral with occasional short stretches of sand beach.

2. COMPLETENESS OF FIELD INSPECTION

Field inspection was done as a part of the planetable contouring and is believed to be adequate. New buildings and cleared areas have been added to the photographs. There are numerous lime groves in the quadrangle that are grown up and appear almost as brush on the photographs; they are not abandoned, however.

3. INTERPRETATION OF PHOTOGRAPHS

The light phase of the photographs with darker spots, directly offshore, is due entirely to the variation in depth of water and composition of the ocean floor.

For the land area refer to Quadrangles 8804 and 8806 for discussion of similar features.

Reports filed in Div of Photogrammetry - General Files

4. HORIZONTAL CONTROL

A search was made for all known horizontal control, consisting of U.S.C.& G.S. triangulation only, and all land stations recovered were identified on the photographs except BASIN, 1934, which could not be identified readily. It is believed that sufficient control has been recovered and identified to meet the radial plot requirements.

A number of U.S.E.D. stations along the Intracoastal Waterway were recovered but were not used as control since the order of accuracy was not known and sufficient U.S.C.&.G.S. control was available. See Item 19

5. VERTICAL CONTROL:

All known vertical control was searched for and all recovered bench marks were identified on the photographs.

Fly level elevations to control contouring were established by wye level methods, carrying elevations to the nearest hundredth. Points were set at identifiable points on the photographs and numbered consecutively with the quadrangle prefix "RH".

6. CONTOURS AND DRAINAGE

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

Contouring was done by planetable 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 the mangrove, and actual MHWL along the fast shoreline. Tick marks on the photographs show the points of change from actual to apparent shoreline.

In general a small boat was used and run as close inshore as possible to delineate the shoreline details.

Shoreline inspection notes for this quadrangle are on photographs 16310, 16311, 16312, 16331 and 16332.

8. LOW-WATER LINE

The small amount of fluctuation in the tide and the very gradual

slope of the bottom made it practically impossible to delineate the low-water line. Therefore the inspection of the MLWL is spotty due to not being in the area at low tide. In most cases the LWL, as well as the MHWL, is within the mangrove. Where possible the MLWL has been noted with the approximate low-water line symbol.

9. WHARVES AND SHORELINE STRUCTURES

All piers and buildings along the shoreline have been noted on the photographs. They are: the Mandalay Fishing Camp pier at Rock Harbor, three small fishing-camp piers in Sunset Cove, and one on the point to the Northeast in Buttonwood Sound.

10. DETAILS OFFSHORE FROM HIGH-WATER LINE

The only offshore details are the spoil banks along the Intracoastal Waterway channel; it is believed that they may be compiled adequately from the photographs and shoreline inspection notes.

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

11. LANDMARKS AND AIDS TO NAVIGATION

All fixed aids to navigation within the limits of the quadrangle were located. Refer to the project report for lists and methods of location. Project report filed in Div. of Photogrammetry- General Files

Two landmarks are recommended on the project report (form 567). Forms 567 filed in Div of Charts. Chart Letter 591, 1947

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 limits.

14. ROAD CLASSIFICATION

All roads were classified according to instructions dated 30 June 1945.
Roads reclassified by Field Editor according to Photogrammetry Instructions # 10.

15. BRIDGES

There are no bridges within this quadrangle.

16. BUILDINGS AND STRUCTURES

All buildings to be shown have been circled in red, those to be omitted have been deleted with green ink on the photographs.

17. BOUNDARY MONUMENTS AND LINES

This quadrangle lies entirely within Precinct No. 7, Monroe County

County, Florida, and has no incorporated towns. The only boundary line is that of the Everglades National Park; refer to the Special Report on Boundaries, Project Ph-10(46), for the description of this line. See Field Edit report Filed in Div of Photogrammetry - General Files

18. GEOGRAPHIC NAMES

Approved list of names filed in Div. of Charts, Geog. Names Section

Subject of a Special Report for the project, submitted by Lowell I. Bass, Engineering Aid.

19. TOPOGRAPHIC STATIONS

Permanent, recoverable topographic stations were established so that, with the existing triangulation, control points are available at approximately one-mile intervals along the shoreline.

A number of U.S.E.D. control stations along the Intracoastal Waterway were recovered and used as topographic stations, with descriptions written on form 524. One of these stations, PON (U.S.E.D.), was recovered but not identified; its position was taken from the list given on Sheet 1, File No. 2-2-12.751 (N. A. 1927 Datum), of the U.S.E.D. plans to be submitted for the project.

Form 524 Cards filed in Div. of Photogrammetry - General Files

20. SYMBOLS

Refer to the reverse pf photograph 16313, Quadrangle 8807, for symbols used in field inspection.

21. PUBLIC LAND LINES

One marker at the center of a section and one meander corner just south of the quadrangle limits were recovered. Several pipes were found but it was not possible to determine their designations or whether they are definitely section-line markers; notes have been made on the photographs indicating where these pipes were found.

After completion of the field inspection Right-of-Way plans of State Route 5 (U.S.Hwy. 1) were obtained. These plans show ties to section lines and in some cases show the location of corners. It is believed that from these plans land lines may be compiled with a degree of accuracy at least sufficient to serve as a guide for further investigation and search by the field edit party. From these data it may also be possible to determine the significance of the pipes previously mentioned. See Review Report

SUBMITTED BY:

E. H. Taylor for

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

John D. Weiler

John D. Weiler
Photogrammetrist
(Topography and Interior Inspection)

SUPERVISED:

Lewis V. Evans III

Lewis V. Evans, III
Lieut. (jg)

APPROVED AND FORWARDED:

Ross A. Gilmore 6-17-47

Ross A. Gilmore
Chief of Party

COMPILATION REPORT
TO ACCOMPANY
ROCK HARBOR QUADRANGLE T-8808

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 DELINEATION:

Nine lens photographs 16310, 16311, 16312 and 16331 were used for delineation. These photographs were of good scale, readily interpreted and provided full coverage of the area.

The field inspection was well done; very few discrepancies being noted on the overlay for the field editor.

No unusual difficulties were encountered in delineating the manuscript.

29 SUPPLEMENTAL DATA:

None was used.

30. MEAN HIGH WATER LINE:

The field inspection notes were followed in delineating the mean high water line.

Reference is hereby made to item number 7 of the Field Inspection Report where this subject is discussed.

31 LOW WATER AND SHOAL LINES:

Field inspection notes were followed, see item 8 of the Field Inspection Report.

32 DETAILS OFFSHORE FROM HIGH WATER LINE:

Item 10 of the Field Inspection Report covers this subject.

33 WHARVES AND SHORELINE STRUCTURES:

Wharves and shoreline structures were delineated on the manuscript in accordance with noted submitted by the field inspector.

34 LANDMARKS AND AIDS TO NAVIGATION:

See item 11 of the Field Inspection Report. Also refer to the Project report for lists and methods of location of the aids. Filed in Div. of Photogrammetry- General Files

The two existing landmarks now shown on nautical chart No. 1249 have been located by radial line intersections and their positions scaled and recorded on Forms 524 and 567. Attention is called to the fact that the charted name WINDMILL has been changed to STEEL TOWER by the field inspector. He states the windmill no longer exists.
Name changed to "TOWER" - see chart letter #591, 1947

35 HYDROGRAPHIC CONTROL:

None required. See item 39 of the Project Instructions to the field party.

36 LANDING FIELDS AND AERONAUTICAL AIDS:

None within the limits of the quadrangle.

38 SECTION CORNERS:

See special report by William A. Rasure, Photogrammetric Engineer, dated 9 July 1947, on this project. This report was submitted to the Washington Office with quadrangle T-8803 9 July 1947. Filed in Div. of Photogrammetry - General Files
See Review Report.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES AND OTHER MAPS:

Comparison was made with Coast and Geodetic Survey planimetric maps numbers T-5538 and T-5539 with results as follows:

Shoreline: Agreement very good. Minor changes in limits of mangrove.

Cultural features: (1) Florida East Coast Railroad (abandoned) is now U. S. Hwy. No. 1

(2) The old overseas highway (Fla. St. Hwy. 4 A) is now a secondary road and is classed as road "4" in the northern part of the quadrangle and road "5" in The southern part.

(3) Buildings have been added.

(4) Citrus groves (orchards) have been planted and some abandoned.

Aids to Navigation: Most of these are in new locations. No topographic quadrangle was available for comparison.

45 COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with nautical chart No. 1249. Due to the large scale difference only a visual comparison was made. The shoreline appears to be in very good agreement.

Respectfully submitted

William H. Shearouse

William H. Shearouse
Cartographer
(Photogrammetric)

Approved and forwarded,

George E. Morris, Jr.

George E. Morris, Jr.
Chief of Party.

FIELD EDIT REPORT

QUADRANGLE T-8808

"ROCK HARBOR"

PROJECT Ph-10 (46)

The Field Edit of this quadrangle was completed during December 1947 . by John D. Weiler, Photogrammetrist.

46. METHODS

In field editing the map manuscript all roads were traversed by truck for checking interior features. Shoreline was checked with a small launch, keeping as close to the shore as possible. All aids to navigation were verified visually. Data added to the map manuscript were either plotted from topographic features, cut in by planetable methods, or positions determined by sextant angles.

47. ADEQUACY OF THE MAP MANUSCRIPT

The map manuscript was in general, adequate and correct except for a few details overlooked by the field inspector and the compiler. A few cultural changes have taken place since the original field inspections

During the field edit the positions of day beacons along Baker Cut were determined by sextant fixes; but upon instructions from the compilation office, they were cut in on a double weight print of the map manuscript by planetable. Both results are shown on the planetable sheet. In most instances positions coincided. When the sextant fix and planetable cuts do not coincide, probably due to distortion of the paper, both results are shown for an aid in checking against the previously submitted theodolite cuts.

The Everglades National Park has been officially dedicated. The boundary is unsurveyed and the legal description was the only guide in its construction. The boundary line appears to be correct as shown.

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

The spoil bank data on the northwest side of Baker Cut were inspected and the correct nomenclature has been shown on the field edit sheet.

The pile shown on Chart 1249, just southwest of Molasses Reef Lt. (questioned on discrepancy overlay) was submitted as destroyed on the original field inspection and listed on Form 567. This has been verified during the field edit.

Mosquito Bank Bn. 35, 1935 was changed to a light, and the position moved in 1929, as indicated by the 1935 recovery notes. The Review Section evidently did not refer to the 1935 recovery note.

48. VERTICAL ACCURACY TEST

No vertical accuracy tests were specified for Project Ph-10 (46). The contours appear visually to have good conformation.

49. PUBLIC LAND LINES

See Field Edit Report for quadrangle T-8804 relative to this item. Filed in Div of Photogrammetry- General Files. Also See Review Report

It was very difficult to find anyone other than strictly local people to pass judgement on the completeness of the map manuscript; however, it was reviewed by Mr.W. Turner, owner of the Key Largo Grill and a resident for many years, as well as several commercial fishermen at the Mandalay Fishing Camp. They 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

To be added to Form 567, nonfloating Aids, Project Report, Project Ph-10(46), on file in Washington Office:

Quadrangle T-8808

Grouper Creek Daybeacon 52A	25°	07'	452m	80°	26' 1351m
Grouper Creek Daybeacon 53	25	07	435m	80	26 1297m
Baker Cut Daybeacon 56	25	05	890m	80	28 100m
Baker Cut Daybeacon 56A	25	05	689m	80	28 170m
Baker Cut Daybeacon 57	25	05	643m	80	28 120m
Baker Cut Daybeacon 57A	25	05	390m	80	28 282m
Baker Cut Daybeacon 58A	25	~~05~~ 04	1024m	80	29 46m

Above information reported to Nautical Charts 5 Feb 1948

Chart Letter 591, 1947

Division of Photogrammetry
Review Report of
Topographic Map Manuscript T-8808

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

26. Control.--Seven tidal bench marks were recovered. Their elevations to the nearest foot were added to the map manuscript.

31. Low Water and Shoal Lines.--One isolated shoal area that was noted by the field editor is shown on the map manuscript. All other shoal lines were removed because they did not indicate an abrupt change in depth and they apparently did not follow a depth curve.

The outlines of the spoil banks along the Intracoastal Waterway and in Rock Harbor were changed from a dashed line to a dotted mean low water line where they are below the plane of mean high water.

34. Landmarks and Aids to Navigation.--Forms 567 have been filed in the Nautical Charts Section for 22 aids to navigation, 1 lost aid to navigation and 2 landmarks. They are filed under Chart Letter Number 591, 1947. Copies of these forms are filed in the Division of Photogrammetry, General Files in a special report for the project.

The position for Grouper Creek Light 54 was corrected on the Forms 567 and 524. The change was reported to the Nautical Chart Section.

The light list name, "Mosquito Bank Light 35", was added to the map manuscript at the triangulation station, "Mosquito Bank Light, 1934."

38. Section Lines.--All section lines shown on the map manuscript were added by the reviewer from maps compiled by the Monroe County Surveyor who used an aerial photograph base and all existing property line descriptions and filed plats. The lines were transferred to the map manuscript by measuring their distances from recognizable features on both surveys.

In several instances the section lines follow fence lines and roads that are apparent on the photographs. The one recovered sub-section corner served as a check on the position of the line between Sections 13 and 14.

The azimuths for the section lines were taken from a survey made for the Republic Oil Company. They check with the azimuths of roads and fence lines that coincide with the section lines.

The right of way plans for U. S. Highway No. 1 served as a further check on the positions of the lines.

40. Geographic Names.--All names shown on the map manuscript were added by the reviewer from the approved list submitted by the Geographic Names Section.

44. Comparison with Existing Topographic Surveys.--

T-574	1:20,000	1855
T-640	1:20,000	1857
T-758	1:20,000	1859
T-857	1:20,000	1860
T-4601	1:20,000	1928
T-6359	1:20,000	1935

These surveys are superseded in common area and detail by T-8808.

45. Comparison with Nautical Charts.--

Chart No. 1249	1:80,000	1937, Corr. 1947
Chart No. 3261	1:80,000	1944, Corr. 1947

The map manuscript has been partially applied to Chart No. 1249. The only notable differences between the map manuscript and the nautical charts are:

The pier at Rock Harbor is not shown on the charts.

The name for the landmark "Windmill" has been changed to "Tower" on the map manuscript. See Chart letter 591, 1947

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

49. Overlays.--An overlay was prepared indicating the marginal data, road classification, 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
3-29-48

APPROVED:

S. V. Griffith
S. V. Griffith
Chief, Review Section
Div. of Photogrammetry

Chief, Nautical Chart Branch
Division of Charts

K.T. Adams
Chief, Div. of Photogrammetry

Chief, Div. of Coastal Surveys

GEOGRAPHIC NAMES

Survey No.

ROCK HARBOR, Fla.

Name on Survey	On Chart No. A	On previous survey No. B	On U. S. quadrangle Maps C	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
Florida									USGB	1
Monroe County										2
U.S. No. 1 Overseas Highway										3
Intracoastal Waterway									USGB	4
Everglades National Park										5
Florida Bay										6
Long Point										7
Dove Creek										8
Dove Key										9
Rodriguez Key										10
Point Charles										11
Rock Harbor										12
Rock Harbor		(village)							USGB	13
Mandalay Fishing Camp										14
Sunset Cove										15
Pelican Key										16
Getman Memorial Church										17
Baker Cut										18
Swash Keys										19
Shell Key										20
Buttonwood Sound										21
Key Largo										22
Newport		(settlement)								23
Grouper Creek										24
Tarpon Basin										25
St. Margarets Church										26
South Sound Creek										27

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GEOGRAPHIC NAMES

Survey No. T-8808

2 Name on Survey	On Chart No. A	On previous survey No. B	On U. S. quadrangle Maps C	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
Lower Sound Point										1
Julia Island										2
Largo Sound										3
										4
Mosquito Reef										5
Molasses Reef Light										6
Molasses Reef Channel										7
Triangles										8
Tavernier Light										9
										10
										11
					Names underlined in red are approved. 3/19/48 L.Heck					12
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NAUTICAL CHARTS BRANCH

SURVEY NO. T-8808

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
10/17/47	1249	Richardson	(Before) After Verification and Review Examined for Critical changes only
3-28-50	3261	Stegman	~~Before~~ (After) Verification and Review Critical changes only
			Before After Verification and Review
10-31-74	1250	Bodanac	NO CORR Superseded by TP00453, TP00450, TP00451
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

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.