

# 11400

Diag. Cht. No. 1255

<p>Form 504</p> <p>U. S. DEPARTMENT OF COMMERCE</p> <p>COAST AND GEODETIC SURVEY</p> <p><b>DESCRIPTIVE REPORT</b></p>
<p>Type of Survey <u>Shoreline</u></p>
<p>Field No. <u>Ph-1146</u> Office No. <u>T-11400</u></p>
<p><b>LOCALITY</b></p> <p>State <u>Florida</u></p> <p>General locality <u>Charlotte Harbor</u></p> <p>Locality <u>Pine Island to Vining Creek</u></p>
<p><u>1953-59</u></p> <p><b>CHIEF OF PARTY</b></p> <p>H.C.Applequist, Chief of Party</p> <p>A.L.Wardwell, Tampa Photo Office</p>
<p><b>LIBRARY &amp; ARCHIVES</b></p>
<p>DATE <u>February 1965</u></p>

USCOM-DC 5087

Map 1 Shoreline from photography and field inspection  
Map 2 Shoreline updated from field edit  
See Addendum (1st page)

# 11400

ADDENDUM  
REVIEW REPORT

T-11400, 11404, 11407, 11410, 11411, 11413, & 11414  
April 1975

The Hydrographic Survey Branch found during their review of the contemporary hydrographic survey that copies of the manuscripts marked Advanced (field edit applied) existed for the maps listed in the heading of this addendum. The records show that the maps were registered in 1965. The Descriptive Reports make no mention of a field edit, nor do they reflect the additions and corrections shown on the Advanced Manuscript copies.

In order to assure the proper utilization of these maps, both will be registered. The maps are numbered Map 1 and Map 2. Map 1 will show the shoreline and signals as they were compiled from the photography and field inspection. Map 2 will reflect field edit showing shoreline changes and new hydrographic signals in red ink. The field edited map (Map 2) was not reviewed because the data is not available.

Donald M. Brant  
Quality Control and Review Group

DESCRIPTIVE REPORT - DATA RECORD

T - 11400

Project No. (II): PH-1146

Quadrangle Name (IV):

Field Office (II): Punta Gorda, Fla.

Chief of Party: H. C. Applequist

Photogrammetric Office (III): Tampa Photo Office

Officer-in-Charge: A. L. Wardwell

Instructions dated (II) (III): 2 July 1954

Copy filed in Division of

Amendment #1 9 Nov. 1954

Photogrammetry (IV)

Supplement #1 17 Dec. 1956

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): Inapplicable

Scale Factor (III): None

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N. A. 1927

Vertical Datum (III): M.H.W.

~~Mean sea level~~ except as follows:

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e., mean low water or mean lower low water

Reference Station (III): LAG 1943

Lat.: 26° 43' 19" 831 (610.3 m.) Long.: 82° 04' 37" 896 (1047.4 m.)

Adjusted  
Unadjusted

Plane Coordinates (IV):

State:

Zone:

Y=

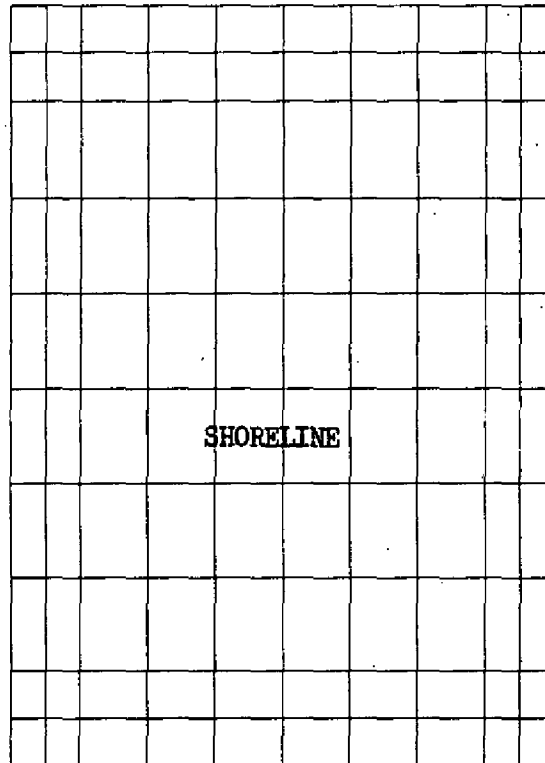
X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY



Areas contoured by various personnel  
(Show name within area)  
(II) (III)

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): **E. T. Jenkins**  
**G. E. Varnadoe**

Date: **June 1956**  
**Feb. 1959**

Planetable contouring by (II): **Inapplicable**

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): **Air photo. compilation**  
**Date of photography: 1 Dec. 1953 and 21 Oct. 1958**

Projection and Grids ruled by (IV): **A. R. (W.O.)**

Date: **25 Jan. 1955**

Projection and Grids checked by (IV): **A. R. (W.O.)**

Date: **31 Jan. 1955**

Control plotted by (III): **W. H. Shearouse**

Date: **9 Mar. 1956**

Control checked by (III): **R. R. Wagner**

Date: **9 Mar. 1956**

Radial Plot ~~or Stereoscopic~~  
~~Control extension~~ by (III): **M. M. Slavney**

Date: **20 Apr. 1956**

Stereoscopic Instrument compilation (III):  
Planimetry  
Contours **Inapplicable**

Date:

Date:

Manuscript delineated by (III): **E. T. Ogilby**

Date: **Feb. 1959**

Photogrammetric Office Review by (III): **J. A. Giles**  
**W. H. Shearouse**

Date: **Dec. 1956**  
**May 1959**

Elevations on Manuscript  
checked by (II) (III): **Inapplicable**

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): USC&GS Nine-lens and WILD "S"

4

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide *
42925	12-1-53	1404	1:10,000	0.6
42947	"	1421	"	"
42948	"	1422	"	"
42976	"	1454	"	"
42977	"	1454	"	"
42978	"	1455	"	"
58-S-1510A	21 Oct. 1958	1233	"	0.3
58-S-1680A	"	1406	"	"

Tide (III)

Predicted

Reference Station: Tampa Bay  
Subordinate Station: Port Boca Grande, Charlotte Harbor  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	1.5	2.0
0.7	1.0	1.3

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (II): 8

Shoreline (More than 200 meters to opposite shore) (III): 7

~~Shoreline (less than 200 meters to opposite shore) (III):~~

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 6 Recovered: 6 Identified: 6

Number of BMs searched for (II): None Recovered: Identified:

Number of Recoverable Photo Stations established (III): 1

Number of Temporary Photo Hydro Stations established (III): 16

Remarks:

\*If more accurate tide information is desired it may be obtained from the records of the hydrographic party (Ship SOSBEE). It is believed they will establish a tide gage in the vicinity.

# SHORELINE MAPPING PROJECT ~~27319~~ PH-146

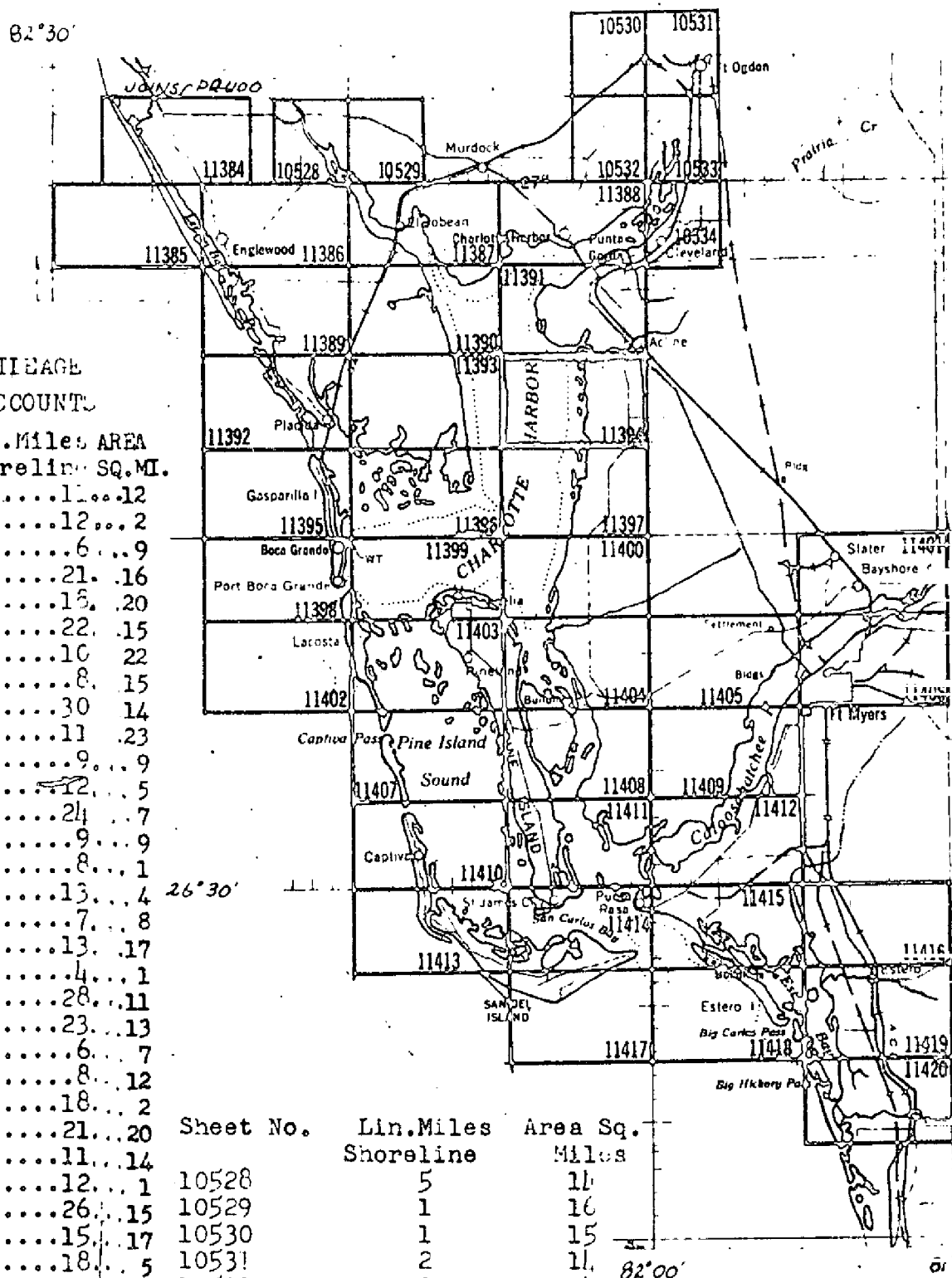
Charlotte Harbor, FLORIDA

## OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet Lin.Miles AREA  
Nos. Shoreline SQ.MI.

T-11384	12	12
T-11385	12	2
T-11386	6	9
T-11387	21	16
T-11388	15	20
T-11389	22	15
T-11390	10	22
T-11391	8	15
T-11392	30	14
T-11393	11	23
T-11394	9	9
T-11395	12	5
T-11396	24	7
T-11397	9	9
T-11398	8	1
T-11399	13	4
T-11400	7	8
T-11401	13	17
T-11402	4	1
T-11403	28	11
T-11404	23	13
T-11405	6	7
T-11406	8	12
T-11407	18	2
T-11408	21	20
T-11409	11	14
T-11410	12	1
T-11411	26	15
T-11412	15	17
T-11413	18	5
T-11414	27	11
T-11415	23	19
T-11416	4	6
T-11417	6	3
T-11418	11	4
T-11419	18	12
T-11420	17	12
Totals	540	393

Sheet No.	Lin.Miles Shoreline	Area Sq. Miles
10528	5	11
10529	1	10
10530	1	15
10531	2	11
10532	2	11
10533	6	12
10534	5	13
Totals	22	96
	540	393
Grand Totals	562	491



FIELD INSPECTION REPORT

WAS

SUBMITTED WITH T-11394



## COMPILATION REPORT T-11400

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11396.

31. DELINEATION

The graphic method was used. The 1956 field inspection was adequate and with the 1958 photographs and 1959 field inspection all areas compiled are satisfactory.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

The drainage was delineated according to field inspection and from photographic interpretation. In some of the low flat areas the drainage pattern was obscure.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was very good and is believed to be complete.

The mean high-water, low-water lines and shoals were indicated on the photographs by the field inspector. They have been delineated accordingly.

36. OFFSHORE DETAILS

Offshore details were indicated by the field inspector and drafted according to his notes.

### 37. LANDMARKS AND AIDS

One landmark - HOUSE 1956 (north gable) - was established. One privately maintained daybeacon was located by three point fix. Form 567 dated 3 August 1956 was submitted for these features.

### 38. CONTROL FOR FUTURE SURVEYS

Form 524 is submitted for one topographic station. It is listed along with descriptions of sixteen photo-hydro stations under Item 49.

### 39. JUNCTIONS

Junctions were made with T-11397 to the north; T-11399 to the west; and T-11404 to the south. There is no contemporary survey to the east.

### 40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

### 46. COMPARISON WITH EXISTING MAPS

Comparison was made with C&GS Maps T-5862, 1943 and T-5874, 1943. Only minor differences exist.

### 47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with C&GS Chart No. 1255, last revision date 20 February 1956.

The maps listed under Item 46 were apparently the source of topography and the same discrepancies exist.

### ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

//

ITEMS TO BE CARRIED FORWARD

None.

*Eugene T. Ogilby*  
Eugene T. Ogilby  
Cartographer (Photo)

APPROVED AND FORWARDED:

*William A. Rasur*  
for Arthur L. Wardwell  
Chief of Party

48. GEOGRAPHIC NAME LIST

BURNT STORE

CHARLOTTE HARBOR

FLORIDA

JUG CREEK POINT

MATLACHA PASS

PINE ISLAND

TWO PINES

TWO PINES BAYOU

Vining Creek

A. J. Wright  
Geog. Names Sec.



49. NOTES FOR THE HYDROGRAPHER

The following is a list of seventeen (17) photo-hydro stations with pertinent data. Note "A" means "a stake, with small flag, driven into the ground and usually projects 2-3 feet. Also a shorter stake nearby with its upper portion painted white with U. S. Government in black on it".

Note "B" means "tied on or nearby and usually higher is a two foot white cloth streamer."

T-11397

400-1 - The southwest corner of a dead mangrove bush that is about 100 feet northeast of the most northerly of two oyster beds. Note A & B, Photo 42976

400-2 - The center of a small mangrove bush that grows near the center of an oyster bed. The bush is about 110 feet west of the mangrove shoreline. There is a larger mangrove bush that grows on an oyster bed about 110 feet southeast of the station. Note A & B, Photo 42976.

400-3 - The northwest corner of a low seagrape bush. East of the station there is a small opening into a small clear area. The station is about 290 feet south of some short piling that are on the foreshore. Note A & B, Photo 42976

400-4 - The center of a small mangrove bush that is about 20 feet west of the mangrove shoreline and just south of a point of mangrove where the shoreline turns to the east to form an indentation. This mangrove bush grows arounds an old mangrove snag. Note A & B, photo 42976.

400-5 - A four inch piling projecting two feet above the foreshore and about one meter west of a large mangrove bush. There is a line cut into the mangrove east of the station. Note A & B. Approx. pos. Photo 42976.

(Compiler: 400-5 was set on line between photo point ~~and~~ #1 and CHAR. HARB. LT. 2, 1943. Distance photo pt 1 to 400-5 = 50 feet. See M-2226-12 for Photo Pt. 1)

400-6 - The stump end of a fallen mangrove tree that lies about 20 feet beyond the mangrove shoreline. This tree has only a few live branches on it. There is a large mangrove tree that grows on the shoreline about 85 feet south of the station. Note A & B, photo 42977.



400-7 - The stump end of a dead fallen mangrove tree that is about two meters west of the mangrove shoreline. There is a 12-inch mangrove tree about 25 feet northeast of the station. Note A & B, photo 42948

400-8 - A mangrove pole driven into the mud and sand and projecting about 6 feet above water. Pole is about one meter west of the mangrove shoreline. There are several cabbage palm trees on a sand ridge inshore from the station. Note A & B, approx. pos. photo 42947.

(Compiler: 400-8 is to be located from photo point #2. 400-8 is on line between photo point # 2 and CHAR. HARB. LT. 2, 1943. It is 80 feet from photo pt. #2. See M-2226-12 for photo pt. #2)

400-9 - A corner of mangrove that is about 650 feet southwest of the point of the island. Several mangrove limbs were cut by the station. There is a small Australian pine northwest, inshore from the station. Note A & B, photo 42947.

400-10 - The center of the top of a blazed cabbage palm tree that grows on a narrow sand ridge. Tree is about two meters east of the MHWL at a small indentation in the shoreline. Note A & B, photo 42947.

400-11 - The southwest corner of a mangrove bush that grows on the northwest corner of a cut through the mangrove island. Note B, photo 42947.

400-12 - A braced mangrove pole driven into the sand and projecting about 7 feet above water. The pole is flagged and is located 60 feet northwest of the southwest corner of a small house in ruins on line with CHAR. HARB. LT. 2 1943. Note a. Approx. pos. photo 42947.

(Compiler: 400-12 is on line between photo point #3 and CHAR. HARB. LT. 2, 1943. It is 60.0 feet from photo pt. #3 to 400-12. See M-2226-12 for photo pt. #3)

400-13 - A corner of mangrove where the mangrove turns east for about two meters before it turns south again. Station is about 140 feet north of the south end of the island. The mangrove has been cut and the station is marked as in Note A & B, photo 42947.

400-14 - The most westerly part of the most westerly limb of the most northwesterly mangrove tree which is about 100 feet southwest of the most northerly tip of the island. Note A & B, photo 42947.

400-15 - The shore end of a mangrove bush that grows in a small indentation of the shoreline. End limbs of bush are cut. Note A & B, photo 42925.

400-16 - The shore end of a low overhanging mangrove limb, the ends of which have been broken off. Note A & B, photo 42925.

400-17 - The offshore end of a mangrove tree that has its low limbs cut off and well flagged. Note A & B. Approx. pos. photo 42925.

(Compiler: 400-17 is a fix, below are shown the adjusted angles.  
JEAN, 1956 00-00-00. Large Daybeacon with Pointer 04-36-16.  
MOM, 1943, SUB. STA. 79-04-10. \* 8-inch piling 84-32-56. FISH  
HOUSE W.G. 143-16-41.  
\*For ray on piling, not for position of fix.)

JEAN 1956

50.

# PHOTOGRAMMETRIC OFFICE REVIEW

T.11400

1. Projection and grids WHS 2. Title WHS 3. Manuscript numbers WHS 4. Manuscript size WHS

1a. Classification label Unclassified

## CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy MMS 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) WHS 7. Photo hydro stations WHS 8. Bench marks XX 9. Plotting of sextant fixes IIS 10. Photogrammetric plot report MMS 11. Detail points WHS

## ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline WHS 13. Low-water line WHS 14. Rocks, shoals, etc. WHS 15. Bridges WHS 16. Aids to navigation WHS 17. Landmarks XX 18. Other alongshore physical features WHS 19. Other along-shore cultural features WHS

## PHYSICAL FEATURES

20. Water features WHS 21. Natural ground cover WHS 22. Planetable contours XX 23. Stereoscopic instrument contours XX 24. Contours in general XX 25. Spot elevations XX 26. Other physical features WHS

## CULTURAL FEATURES

27. Roads WHS 28. Buildings WHS 29. Railroads XX 30. Other cultural features XX

## BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

## MISCELLANEOUS

33. Geographic names WHS 34. Junctions WHS 35. Legibility of the manuscript WHS 36. Discrepancy overlay XX 37. Descriptive Report WHS 38. Field inspection photographs WHS 39. Forms WHS 40. William H. Shearouse Milton M. Slavney

Reviewer  
William H. Shearouse

Supervisor, Review Section of Unit  
Milton M. Slavney

41. Remarks (see attached sheet)

## FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler

Supervisor

43. Remarks:



Review Report  
Shoreline Maps  
T-11395 thru T-11400  
March 1965

**61. General Statement**

**Area** - The project encompasses the west coast of Florida from Venice to Big Hickory Pass, including Charlotte Harbor and Fort Myers.

**Purpose** - The object of this project is to provide shoreline and horizontal control data for hydrographic surveys, and to provide data for nautical chart revisions.

**62. Comparison with Registered Topographic Surveys**

T-5859	1:10,000	1944
T-5860	1:10,000	1944
T-5861	1:10,000	1944
T-5862	1:10,000	1944
T-5873	1:10,000	1944
T-5874	1:10,000	1944
T-5875	1:10,000	1944

Differences are cultural and shoreline changes due to the differences in the time interval. T-11395 thru T-11400 are to supersede the above surveys of common area.

**63. Comparison with Maps of Other Agencies**

Florida	1:24,000	1957
Punta Gorda SW	1:24,000	1957
Punta Gorda SE	1:24,000	1956
Port Boca Grande	1:24,000	1958
Matlacha	1:24,000	1958
Matlacha	1:24,000	1958

There are no significant differences.

**64. Comparison with Contemporary Hydrographic Surveys**

H-8193	1:10,000	1956
H-8194	1:10,000	1957
H-8195	1:10,000	1960
H-8196	1:20,000	1959
H-8198	1:10,000	1957
H-8199	1:10,000	1959

Shoreline and control of subject surveys was furnished prior to the hydrographic surveys and apparently no differences of importance exist.

65. Comparison with Nautical Charts

856 SC	1:40,000	1964
857 SC	1:40,000	1964
1855	1:80,000	1962 revised to 1963

Differences exist. However, there are no items to be applied immediately.

66. Accuracy of Results and Future Surveys

These surveys were prepared according to project instructions and are within the required accuracy for nautical charting.

Reviewed by:

*L. C. Lande*  
L. C. Lande

Approved by:

*Charles Lema*  
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

*M. C. Math*  
for Chief, Photogrammetry Division

