

11407

ORIGINAL

Diag. Cht. No. 1255.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No.	Ph-146
Office No.	T-11407
LOCALITY	
State	FLORIDA
General locality	GULF COAST
Locality	PINE ISLAND SOUND -
DEMERE KEY TO CAPTIVA PASS	
1953-1958	
CHIEF OF PARTY	
Arthur L. Wardwell, Tampa Photo. Office	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

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

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 - 11407

Project No. (II): **Ph-146**

Quadrangle Name (IV):

Field Office (II): **Matiacha, Fla.**

Chief of Party: **H. C. Applequist**

Photogrammetric Office (III): **Tampa, Fla.**

Officer-in-Charge: **Arthur L. Wardwell**

Instructions dated (II) (III): **2 July 1954**
Amendment No. 1, 9 November 1954
Supplement 1, 17 December 1956

Copy filed in Division of
Photogrammetry (IV)

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): **MHW**

~~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): **RIDGE, 1934**

Lat.: **26°36'01.078" (33.2 m.)**

Long.: **82°12'54.402" (1505.2 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.

FORM 181a
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

SHORELINE SURVEY

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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): **E. T. Jenkins**
W. H. Shearouse

Date: **September 1956**

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

Date:

Completion Surveys by (II): **Inapplicable**

Date:

Mean High Water Location (III) (State date and method of location): **Air photo compilation.**
Dates of photography: 1 December 1953, with reference measurements for Gulf Beach
made in September 1956.
Revised from single-lens photographs of October 1958

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

Date: **January 1955**

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

Date: **January 1955**

Control plotted by (III): **I. I. Saperstein**

Date: **July 1955**

Control checked by (III): **R. E. Smith**

Date: **July 1955**

Radial Plot ~~or Stereoscopic~~

~~Control extension~~ by (III): **M. M. Slavney**

Date: **August 1956**

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

Date:

Date:

Manuscript delineated by (III): **R. Dossett**

Date: **October 1956**

Photogrammetric Office Review by (III): **J. A. Giles**
R. R. Wagner

Date: **January 1957**
January 1959

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

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

4

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
42831	1 Dec. 1953	1247	1:10,000	+0.6
42832	"	1248	"	"
42833	"	1249	"	"
42845	"	1300	"	"
42846	"	1301	"	"
42869*	"	1319	"	" *
42870*	"	1319	"	" *
58-S-1467A thru				
58-S-1471A	21 Oct. 1958	1214	1:10,000 Ratio	+0.3
58-S-1496A thru				
58-S-1499A *	"	1226	" "	+0.3*

Predicted Tide (III)

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) (III): 2

Shoreline (More than 200 meters to opposite shore) (III): 18

~~Shoreline (Less than 200 meters to opposite shore) (III):~~Control Leveling - Miles (II): **Inapplicable**

Number of Triangulation Stations searched for (II): 3

Recovered: 3

Identified: 3

Number of BMs searched for (II): **None**

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): **6****

Number of Temporary Photo Hydro Stations established (III): 68

Remarks:

***If more accurate tidal data is desirable for the east shore of Pine Island Sound it may be obtained from the records of the hydrographic party (Ship SOSBEE)**

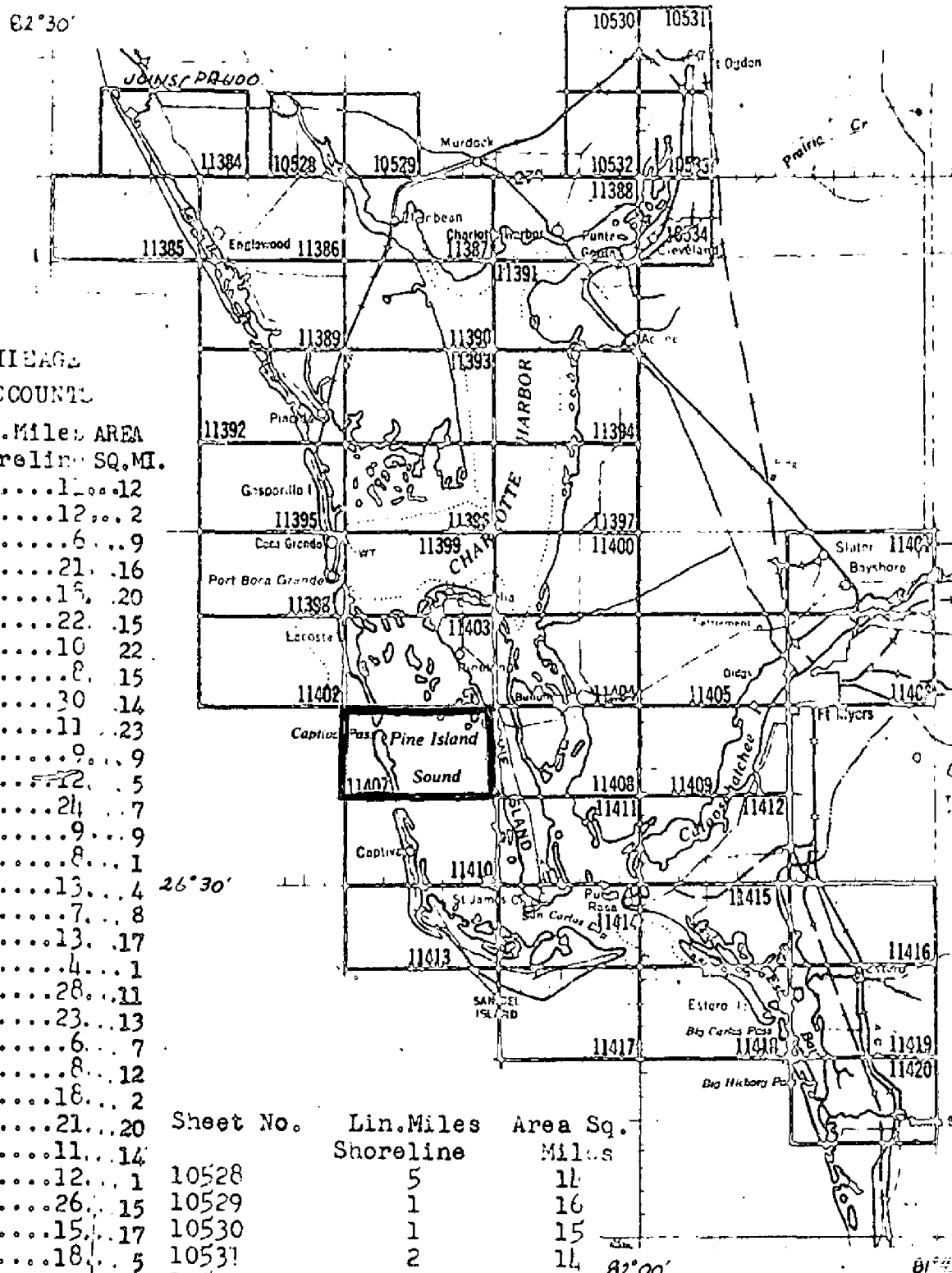
**** One is a natural object. No 524 submitted.**

Charlotte Harbor, FLORIDA

OFFICIAL MILEAGE
FOR COST ACCOUNTSheet 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	16
10530	1	15
10531	2	14
10532	2	11
10533	6	12
10534	5	13
Totals	22	96
	540	393
Grand Totals	562	491



THE FIELD INSPECTION REPORT

IS SUBMITTED WITH T-11404

COMPILATION REPORT T-11407

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11411.

31. DELINEATION

The graphic method was used. Field inspection was satisfactory.

The photographs were of poor scale but coverage was adequate and no area of the map was left incomplete.

32. CONTROL

Reference photogrammetric plot report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours inapplicable.

Drainage delineated as indicated on the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate. Single-lens photographs 58-S-1467A through 1471A and 58-S-1496A through 1499A taken in October 1958, were used to revise the shoreline. This revision was made without benefit of field inspection.

Low-water and shoal lines were based on field inspection notes.

36. OFFSHORE DETAILS

Shown as indicated on field photographs.

37. LANDMARKS AND AIDS

There are no landmarks.

Nonfloating aids to navigation were submitted on Form 567 to the Washington Office on 24 November 1958, but Pine Island Sound Lt. 25 was rebuilt in 1957 and Form 567 is herewith submitted.

38. CONTROL FOR FUTURE SURVEYS

Forms 524 for five topographic stations are being submitted. These, along with the descriptions of sixty-eight temporary photohydro stations, are listed under Item 49. One other station is also listed - it is a natural object for which no Form 524 is required.

39. JUNCTIONS

A satisfactory junction has been secured with T-11403 on the north, T-11408 on the east and T-11410 on the south. The Gulf of Mexico is to the west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U. S. Geological Survey topographic quadrangle CAPTIVA, scale 1:24,000, 1958 edition and printing. No major differences exist.

Comparison was also made with C&GS planimetric maps T-5863 and T-5864, scale 1:10,000 compiled from aerial photographs taken in 1939 and 1942, and supplemented by other surveys to April 1943. Major shoreline and other changes have been made since 1943.

47. COMPARISON WITH NAUTICAL CHARTS

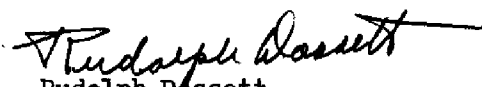
Comparison was made with C&GS Chart 1255, scale 1:80,000, edition of 29 March 1948, revised to 13 April 1959. T-11407 shows North Captiva Island as one island, whereas the chart shows a small break of about latitude $26^{\circ}33'.7$; otherwise agreement is very good.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

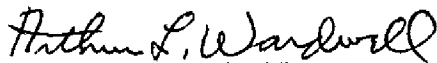
None.

ITEMS TO BE CARRIED FORWARD

None.


Rudolph Dossett
Carto Photo Aid

APPROVED AND FORWARDED:


Arthur L. Wardwell
Tampa District Officer

48. GEOGRAPHIC NAME LIST

The following names were taken from maps and charts listed in Items 46 and 47. Discrepancies between the sources prompted a name investigation for the Pine Island Sound area, which is the subject of a special report "GEOGRAPHIC NAMES IN PINE ISLAND SOUND (Ph-146)" submitted on 28 August 1959 for consideration of the Geographic Name Section. The names on the C&GS nautical charts were given precedence when this manuscript was compiled and "stuck up"; however the type for the names recommended in the aforesaid report was ordered and is included with the data for this manuscript. Those names shown differently from the names as recommended in the report are marked with an asterisk, and the "Report" name follows in parenthesis.

*BENEDICT KEY (~~JEBB~~ KEY)
 *BIG BIRD ROOKERY (BIRD KEY)
 *BIG PANTHER KEY (not named)

*CAPTIVA ROCKS (~~BULKHEAD~~ ROCKS)
CAPTIVA PASS
 *CAYO TUNA (~~HEMP~~ KEY)
CORK ISLAND
CORK KEY

DEMERE KEY

FOSTER BAY
FOSTER POINT
FLORIDA

GULF OF MEXICO

LACOSTA ISLAND

NORTH CAPTIVA ISLAND

PANTHER KEY
PEJUAN COVE
PEJUAN POINT
PINE ISLAND
PINE ISLAND BULKHEAD
PINE ISLAND SOUND

SAFETY HARBOR

*TRIPOD ROCKS (BIRD KEY ROCKS: the rocks located at 26° 36' latitude and 82° 11' 10" are suggested for "TRIPOD ROCKS", see Report)

*Names checked
 and approved
 6-9-65
 A. J. Wraight*

The following names are of underwater features that could not be positively delineated and consequently were not used:

CAPTIVA SHOAL SOUTH BANKS

49. NOTES FOR THE HYDROGRAPHER

Following is a list of sixty-eight (68) temporary photo-hydro stations with their descriptions:

Note A. Station marked with a 1 x 2 inch stake 3 feet in length driven into the ground about 18 inches. The top portion of stake is painted white and U S Gov't is stenciled in black thereon. Near by is a 5 foot 1 x 1 inch stake with a small white flag attached driven into the ground as a witness.

Note B. Attached on or nearby is a 2 foot white cloth streamer.

0701 The center of a seagrass bush on the side of a berm, 120 feet east of MHWL. Note A Photo 42831.

0702 The center of the most westwardly of two bushes in a sand area, 60 feet east of M.H.W.L. Note A Photo 42831.

0703 Most northerly Spanish Bayonet on point and is actually about 150 feet from point proper. It is about 30 feet north of a large seagrass bush. Marked Note A Photo 42831.

0737 The center of an isolated mangrove bush that is about 4-5 meters in diameter that grows about 50 feet west of the mangrove-- Shoreline. Note A & B Photo 42869.

0738 The southwest end of a point of mangrove. This point is just northwest of 3 or 4 isolated mangrove bushes. Note A & B Photo 42869.

0738 A The south end of a point of marsh. This point is about 25 feet west of the mangrove shoreline. Note A & B Photo 42869.

0739 The southwest end of a point of mangrove approximately 250 feet S.S.W. of the N.W. end of the island. There is a small amount of grass in water by the station. Note A & B. Photo 42869.

0740 The southwest end of a point of mangrove just N.W. of a small cove. Note A & B Photo 42869.

0741 The west end of a low short point of mangrove that is approximately 400 feet south southwest of the north end of the island. Note A & B Photo 42869.

0742 The center of a small mangrove bush near the south end of an indentation of the mangrove shoreline. Bush is about 12 feet beyond the mangrove shoreline. Note A & B Photo 42869.

0743 A 2 inch diameter mangrove pole driven into the mud and sand and projecting about 6 feet above water about 2 meters

southwest of the mangrove. The short stake described in note A is nailed to the poles top. ✓

0744 The sharpest point of mangrove that is approximately 250 feet southwest of the mouth of a small indentation. Note A & B. Photo 42869. ✓

0745 A blunt point of mangrove at the place where the shoreline turns to the west to form a very small bay in the island. Note A & B Photo 42869. ✓

0746 The southwest end of a blunt point of mangrove. It is the sharpest point of mangrove about 150 feet south of the north end of the island. Note A & B Photo 42869. ✓

0747 The sharpest point on the south end of the island. Note A & B Photo 42869. ✓

0748 The sharpest point of low mangrove that grows near the northwest corner of the blunt point of mangrove. Note A & B Photo 42869. ✓

0749 The southeast corner of the low mangrove of the small mangrove island. Note A & B Photo 42869. ✓

0750 The west edge of a low overhanging mangrove limb. There is a small indentation in the shoreline just north of the station. Note A & B Photo 42869. ✓

0751 The west end of a low overhanging mangrove bush. There are two large overhanging mangrove trees about 50 and 120 feet south of the station. Note A & B Photo 42869. ✓

0752 The most southwesterly point of mangrove of the large mangrove point. Note A & B Photo 42869. ✓

0753 The center of the top of a coconut palm tree. This is the only palm in the near vicinity. Station is not marked. ✓

0754 The north end of a low overhanging mangrove limb of a tree that grows in a small indentation between two points of mangrove. Note A & B Photo 42869. ✓

0755 The northeast corner of some piling. Piling once supported a building. Note A Photo 42869. ✓

0756 The most westerly point of mangrove on the most southwesterly of two small mangrove islands. Note A & B Photo 42870. ✓

0757 A blunt point of mangrove at the most northwesterly part of the island. Note A & B Photo 42870.

0758 The most southerly point of mangrove of the small mangrove island. Note A & B Photo 42870

0704 A cabbage palm tree about 20 feet in height. The stakes that are described in note A are nailed to this tree about 7 feet above ground. Photo 42831.

0705 The southwest end of a dead mangrove limb that is about ten feet above the sand. The stakes described in note A have been nailed on this dead mangrove limb. Photo 42831.

0706 The top of two low leaning cabbage palm trees. The trees lean towards the water and their tops are about 8 feet above water. Note A & B Photo 42832.

0707 The center of the smaller bush of two small bushes N.E. of an Australian pine tree. The smaller bush is 60 feet N.E. of the pine and 110 feet south of the M.H.W.L. The pine tree has a cloth signal tied on a low branch. Note A Photo 42832.

0708 The center of a bush 75 feet west of the M.H.W.L. and about 275 feet S.E. of a fallen dead Australian pine. Note A & B. Photo 42832.

0709 The center of a low scrub plant that resembles an ice plant. The plant is on the edge of a 2 foot sand berm and has a 10 foot flagged pole by it. Note A Photo 42832.

0710 The center of a scrub plant that resembles an ice plant. This plant is at the edge of a 2 foot sand berm. Note A Photo 42832.

0711 The east side or corner of a small patch of low brush, 45 feet east of the shoreline. Note A & B Photo 42832.

0712 The southwest corner of a row of seagrape bushes that are 12 feet east of the top of a 3 foot sand berm and 70 feet east of the M.H.W.L. There is some mangrove about 120 feet east of station. Note A Photo 42832.

0714 The center of a low small bush that is 50 feet east of the shoreline, 9 feet east of a four foot shell bank and approximately 40 feet southwest of a lone Australian pine. Note A Photo 42833

0715 The taller of two cabbage palm trees that are 21 feet east of a 5 foot sand bank, 60 feet east of the M.H.W.L. and directly in front or west of a large clump of seagrapes. Note A. Photo 42833.

0716 A point of grass that leads out from a thick growth of seagrapes, 50 feet east of the M.H.W.L. There is a palm tree snag about 10 feet in height that is 10 feet S.E. of the station. The palm snag is flagged. Note A Photo 42833.

0717 The base of a dead forked tree that stands at the M.H.W.L. The two forks of the tree are about 50 feet tall and both are nearly vertical. The stakes described in note A are nailed on one of the forks about 8 feet above M.H.W. Photo 42833.

TT 83 JFS-3 A flagged forked Australian pine 60 feet east of the MHWL and just south of a thick growth of mangrove. Note A Compiler, station located by traverse from TT-83 JFS, 1952, (USGS) approximate position. Photo 42833.

0718 A point of mangrove at the point where the shoreline turns from south to southwest. It is the sharpest point in near area. Note A & B Photo 42831.

0719 A point of mangrove approximately 250 feet north of the head of a small bay or cove. Note A & B Photo 42831.

0720 A point of spanish bayonet that grows about 10 feet west of the MHWL, about 680 feet N.N.E. of a large mangrove bush that is just beyond the water line. Note A & B Photo 42831.

0721 A sharp point of mangrove that grows at the North end of an indentation ^{is the} third one south of where the mangrove starts growing at the shoreline. Note A & B Photo 42831.

0722 The N.E. corner of a low scrub tree that is 96 feet south of the MHWL. Tree is about 100 feet east of a bushy Australian pine. Note A & B Photo 42832.

0723 The shore edge of a round clump of low vegetation that is 20 feet southwest of the MHWL. There is another clump of low vegetation just southwest of this one that has a point on it to the southeast. Note A Photo 42832.

0724 The east gable on the most northerly of a group of 3 fish houses in the water.

0725 The offshore end of a very small pier. The end of the pier is only one board in width or about 8 inches. Station is not marked. Photo 42832.

0726 The center of the offshore end of a pier that has a bait box sitting close to that end. Station is not marked. Photo 42832.

0727 The N.E. corner of a square point of mangrove that is about 160 feet north of a sharp bend in the mangrove shoreline to the west. The point is the first prominent point north of this sharp bend in the shoreline. Note A & B Photo 42832.

0728 A small point of mangrove that extends only about 2 meters beyond the mangrove shoreline. Directly inshore there is a dead tree that has a large birds nest in its top. Note A & B. Photo 42832.

0729 A point of mangrove just northwest of a small indentation of the shoreline at the N.W. part of Foster Point where the shoreline turns to the N.N.W. Note A & B Photo 42833.

0730 A point of mangrove just east of an indentation in the shoreline. This indentation is about the deepest one in the near area. Note A & B Photo 42833.

MELLIE ECC. Marked with a 3 inch mangrove pole driven into the mud and projecting about $1\frac{1}{2}$ feet above low water. Note A & B Photo 42833 (Approximate) See 24A for position.

0731 A point of mangrove at the east corner of a blunt point of mangrove. This blunt point of mangrove is the third blunt point east of a small cove that is at the S.W. corner of Foster Point. Note A & B Photo 42833.

0732 A blunt point of mangrove at the S.E. corner of a small indentation of the shoreline. Note A & B Photo 42833.

0733 The center of the offshore end of a mangrove tree that is about 15 feet in height. This tree forms the sharpest point in the near area. Note A & B Photo 42833.

0734 A low overhanging mangrove limb that is 2 or 3 meters beyond the mangrove shoreline. Limb is about 3 to 4 feet above MHW. Note A & B Photo 42833.

0735 The center of a small mangrove bush 40 feet south of the MHWL. Bush is the most easterly one on the point of sand. Note A & B Photo 42833.

0736 The center of a low round mangrove bush that is growing between a small point and a small island of grass and scattered mangrove that is awash at MHW. Bush is on the south side of a small slough that leads west to the mangrove. Note A Photo 42833.

0759 The N.E. end of the inside part of a pile of shells that have been built in the shape of a large bathtub. This reservoir was probably used by Indians to keep live fish in. Note A Photo 42868.

0760 The sharpest point of mangrove at the most southeasterly part of the island. Point is composed of 2 or 3 overhanging mangrove limbs. Note A & B Photo 42868 ✓

0761 A point of low overhanging mangrove limbs. The point is the most easterly point on the island. There is a small indentation in the shoreline just north of the station. Note A & B Photo 42868 ✓

0762 A point of low mangrove formed by the shoreline turning from southeast to east. Note A & B Photo 42868 ✓

0763 The north end of a small pond that is surrounded by oysters. The north end of this pond is a sharp point near the northeast end of the most northeasterly of three oyster bars. Note A Photo 42846 ✓

0764 The south southeast end of a small oyster bed. This oyster bed is the 2nd one from the south one of 6 oyster beds that are almost in a line. Note A Photo 42846 ✓

0765 The center of a blunt point of mangrove near the southwest part of the island. There is a mud flat northeast of the station before the main shoreline. There is a low isolated mangrove bush about 20 feet southeast of the station. Note A & B Photo 42869 ✓

0766 The most northeasterly point of mangrove on the island. The point is very low mangrove limbs being about at the H.W.L. Note A & B Photo 42869. ✓

Following is a list of topographic stations useful to the hydrographer:

Gulf 1956
Bank 1956
Mud (1943) 1956
Leg (1943) 1956
Ruin 1956 (*NW gable of fish house*)
Rock 1956

TO BE CHARTED
~~TO BE REVISED~~
~~TO BE DELETED~~ } STRIKE OUT TWO

NONFLOATING AIDS OR LANDMARKS FOR CHARTS
Tampa District Office

27 August 59

I recommend that the following objects which have ~~(all of them)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(all of them)~~ the charts indicated.

The positions given have been checked after listing by

मे. ज. पाठ

Arthur L. Huppert

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

*** TABULATE SECONDS AND METERS**

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T-11407

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

Unclassified

CONTROL STATIONS

5a. Classification label

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

33. Geographic names RRW 34. Junctions RRW 35. Legibility of the manuscript RRW 36. Discrepancy overlay XX 37. Descriptive Report WHS 38. Field inspection photographs RRW 39. Forms RRW

40. Robert R. Wagner Reviewer Milton M. Slavney Supervisor, Review Section, Office

Robert R. Wagner

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:

TIDE COMPUTATION

PROJECT NO. PH- 146 T- 11407

Time and date of exposure 1215 21 Oct 1958

Reference station

Tampa Bay

Mean range

Date of field inspection

Subordinate station

Port Boca Grande Charlotte Harbor

Ratio of ranges

	Time		Height x Ratio of ranges
	h.	m.	
High tide	07	44 ✓	1.0 ✓
Low tide	14	09 ✓	0.1 ✓
Duration of rise or fall	06 25 ✓		0.9 ✓

	Time	
	h.	m.
High tide at Ref. Sta.	08	56
Time difference	- 1	12
Corrected time at Subordinate station	07	44

	Time	
	h.	m.
Low tide at Ref. Sta.	16	05
Time difference	-1	56.4
Corrected time at Subordinate station	14	09

	h.	m.		feet		feet	Photo. No.
Time H. T. L. T.	14	09	Ht. H. T. or L. T.	0. 1	Feature bares		
Required time	12	15	Tabular correction	0. 2	Stage of tide above MLW		
Interval	1	54	Stage of tide above MLW	0. 3	Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		

Computed by

1/5

Checked by _____

TIDE COMPUTATION

PROJECT NO. Ph. 146 T. 11407

Time and date of exposure 1300 1 Dec 1955 Reference station Tampa Bay Mean range 1.0
 Date of field inspection Oct 1956 Subordinate station Port Boca Grande Charlotte Har. Ratio of ranges 0.7

	Time		Height feet	Height x Ratio of ranges
	h.	m.		
High tide	10	06	1.0	0.7
Low tide	14	13	0.8	0.6
Duration of rise or fall	4	07	Range of tide 0.1	

	Time	
	h.	m.
High tide at Ref. Sta.	11	41
Time difference	-1	35
Corrected time at Subordinate station	10	06

	Time	
	h.	m.
Low tide at Ref. Sta.	15	48
Time difference	-1	33
Corrected time at Subordinate station	14	13

	h.	m.	feet	Photo. No.
Time H. T. or L. T. Required time Interval	14	13	Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval	13	00	Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval	13	13	Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval			Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval			Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval			Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval			Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval			Feature bares Stage of tide above MLW Feature above MLW	

Computed by R. D. West Checked by W. B.

Review Report

Shoreline Maps

T-11407 through T-11412

May 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-5863	1:10,000	1943
T-5864	1:10,000	1943
T-5865	1:10,000	1943
T-5867	1:10,000	1943
T-5868	1:10,000	1943
T-5869	1:10,000	1943
T-5870	1:10,000	1943
T-5871	1:10,000	1943
T-5872	1:10,000	1943
T-5873	1:10,000	1943

Cultural and shoreline changes have been continuous with extensive cultural changes in the urban areas. These maps are to supersede the above surveys for common area for nautical charting.

63. Comparison with Maps of Other Agencies

Captiva	1:24,000	1958
Pine Island Center	1:24,000	1958
Fort Myers SW	1:24,000	1957

Due to new construction there are cultural and shoreline differences.

64. Comparison with Contemporary Hydrographic Surveys

H-8362	1:20,000	1960
H-8555	1:10,000	1960
H-8598	1:10,000	1961

64. Continued

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

1255	1:80,000	1962 revised to 1963
856 SC	1:40,000	1964

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

66. Adequacy of Results and Future Surveys

These surveys were prepared according to project instructions and are within the requirements for adequacy and accuracy.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles H. Hauer
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

J. E. Waugh 8/17/65
Chief, Photogrammetry Division

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

T-11407

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review

[illegible]