

11408

Diag. Cht. No. 1255.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No. Ph-1146	Office No. T-11408
LOCALITY	
State	FLORIDA
General locality	PINE ISLAND SOUND
Locality	MATLACHA PASS
1953-1958	
CHIEF OF PARTY	
Arthur L. Wardwell, Tampa District Officer	
LIBRARY & ARCHIVES	
DATE	

11408

DESCRIPTIVE REPORT - DATA RECORD

T- 11408

Project No. (II): Ph-146

Quadrangle Name (IV):

Field Office (II): Punta Gorda, Fla.

Chief of Party: J. E. Waugh

Photogrammetric Office (III): Tampa, Fla.

Officer-in-Charge: Arthur L. Wardwell

Instructions dated (II) (III): 2 July 1954  
Amend. No. 1 9 November 1954  
Suppl. No. 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): PINELAND 1934

Lat.: 26°35'55.332" (1702.9m.) Long.: 82°06'49.105" (1358.6m.)

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.

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

SHORELINE

Inapplicable

DESCRIPTIVE REPORT - DATA RECORD

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

Date: **January 1957**

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**

Date of photography: **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): **R. E. Smith, Jr.**

Date: **January 1957**

Control checked by (III): **M. M. Slavney**

Date: **January 1957**

~~Radial Plot of Stereoscopic~~  
~~Control extension by (III):~~ **R. R. Wagner**  
**R. J. Pate**

Date: **October 1958**

Stereoscopic Instrument compilation (III): **Inap plicable**  
Planimetry  
Contours

Date:

Date:

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

Date: **February 1959**

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

Date: **October 1959**

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): **C&GS 9-lens and WILD single-lens AVIAGON "S"**

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
42891*	1 Dec. 1953	1338	1:10,000	+0.8
42892	"	1339	"	"
42928	"	1406	"	"
42929	"	1406	"	"
42930	"	1407	"	"
42942	"	1419	"	"
42943	"	1419	"	"
42944	"	1420	"	"
58-S-1516 thru 1520	21 Oct 1958	1235 thru 1237	"	+0.7
58-S-1596 thru 1599	"	1325 thru 1326	"	"

Predicted

Tide (III)

Reference Station: **TAMPA BAY**  
Subordinate Station: **PUNTA GORDA**  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	1.5	2.0
0.9	1.4	1.9

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): **20**

Shoreline (More than 200 meters to opposite shore) (III): **21 lin. mi.**

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

Control Leveling - Miles (II): **inapplicable**

Number of Triangulation Stations searched for (II): **4** Recovered: **4** Identified: **4**

Number of BMs searched for (II): **none** Recovered: Identified:

Number of Recoverable Photo Stations established (III): **5\***

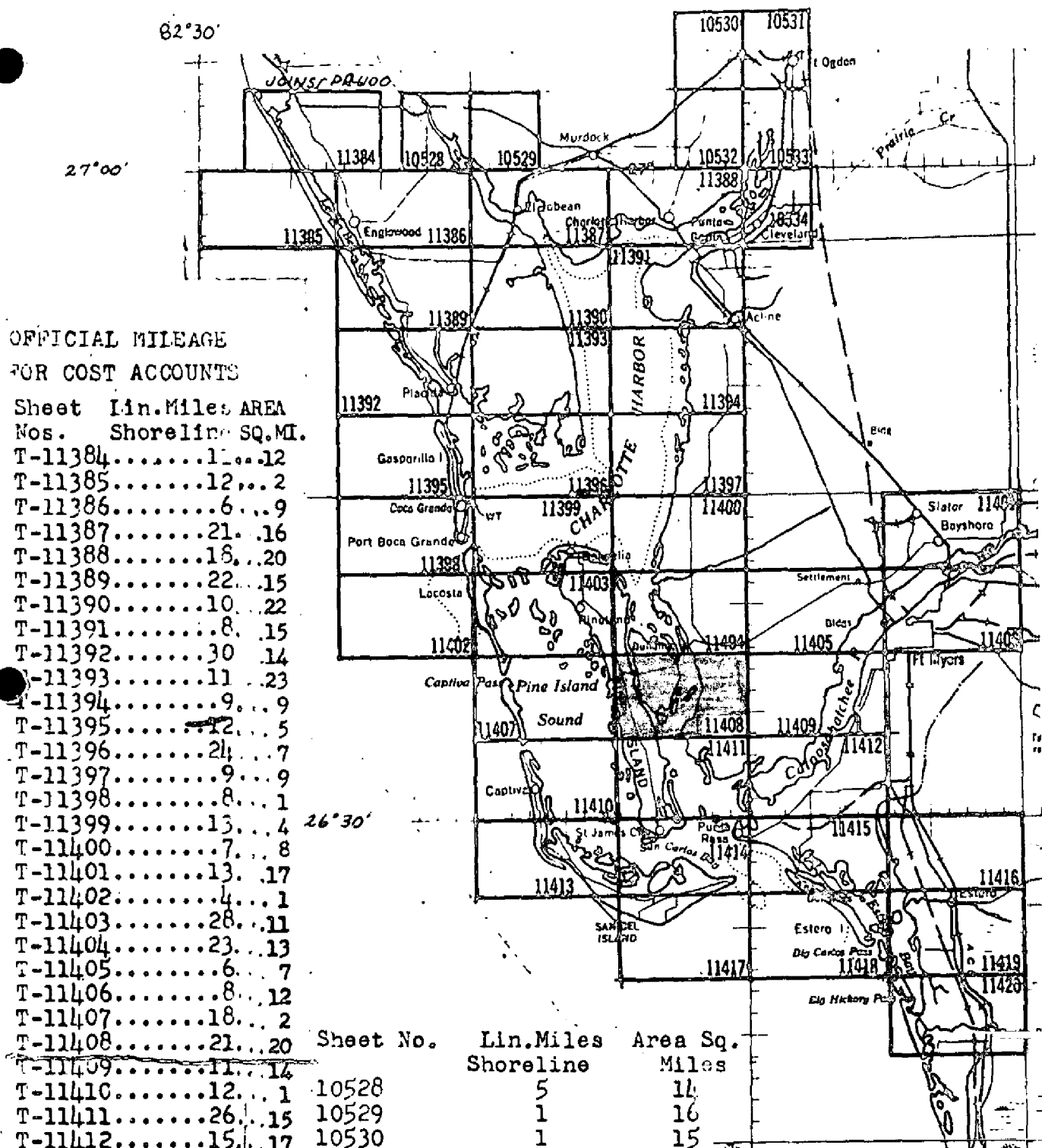
Number of Temporary Photo Hydro Stations established (III): **57**

Remarks:

\*One is a natural object for which a form 524 is not submitted

# SHORELINE MAPPING PROJECT

Charlotte Harbor, FLORIDA



## OFFICIAL MILEAGE FOR COST ACCOUNTS

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

T-11384	11	12
T-11385	12	2
T-11386	6	9
T-11387	21	16
T-11388	16	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

Sheet No.	Lin.Miles Shoreline	Area Sq. Miles
10528	5	14
10529	1	16
10530	1	15
10531	2	14
10532	2	14
10533	6	12
10534	5	13
Totals	22	98
	540	393
Grand Totals	562	1.91

FIELD INSPECTION REPORT

SUBMITTED WITH T-11404

## COMPILATION REPORT T-11408

PHOTOGRAMMETRIC PLOT REPORT

Submitted With T-11411

31. DELINEATION

The graphic method was used.

The field inspection, which was adequate, was done on the 1953 nine-lens photographs. Revisions were made from the 1958 single-lens photographs without field inspection. The 1958 single-lens photographs did not quite extend to the "delineation limits" indicated in the project instructions, therefore the delineation limits have been slightly constricted.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

No difficulties were encountered in the delineation of drainage.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate.

The low-water and shoal lines were based on data furnished by the field inspector.

36. OFFSHORE DETAILS

No statement.



37. LANDMARKS AND AIDS

There are no landmarks.

The only aids are privately maintained channel markers in Matlacha Pass. Form 567 is submitted.

38. CONTROL FOR FUTURE SURVEYS

Forms 524 for 4 topographic stations are submitted with the data for this manuscript. One topographic station is a natural object and Form 524 is not required.

The recoverable topographic and photo-hydro stations, with descriptions for the latter, are listed under Item 49.

39. JUNCTIONS

Junctions have been made with the following:

T-11404 to the north  
T-11407 to the west  
T-11411 to the south  
T-11409 lies to the east but delineation was  
stopped short of map projections limits.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with C&GS planimetric maps T-5864, T-5869 and T-5873, dated 1942 and 1943, scale 1:10,000.

The character of the detail on the planimetric maps compares well with the new survey, but there are position changes up to twenty meters. Investigation disclosed that triangulation station PINELAND, 1934 is shown on T-5864 twenty meters south of

its correct position. This probably accounts for the twenty meter shift in detail, because PINELAND, 1934 was used to control the 1942 work. It is noted that on T-5864 at latitude  $26^{\circ}35'5''$  there is an abrupt east-west jump in the delineation of Florida Highway 183.

Visual comparison was made with U. S. Geological Survey quadrangle PINE ISLAND CENTER, scale 1:24,000, compiled from 1951 aerial photographs with planetable surveys of 1957-1958. Agreement was very good with no major differences noted.

#### 47. COMPARISON WITH NAUTICAL CHARTS


Comparison was made with C&GS Nautical Chart 1255, scale 1:80,000, dated 20 February 1956. The two are in fair agreement. The maps listed under Item 46 appear to be the sources of topography, however the scale difference conceals the discrepancies. A small change in shoreline, man-made, exists at latitude  $26^{\circ}34'$ , longitude  $82^{\circ}07'$ .

#### ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

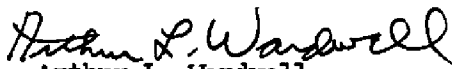
None.

#### ITEMS TO BE CARRIED FORWARD

None.

  
Robert R. Wagner  
Cartographer (Photo.)

APPROVED AND FORWARDED

  
Arthur L. Wardwell  
Tampa District Officer

48. GEOGRAPHIC NAME LIST

The sources of information for the names are the C&GS planimetric maps, nautical chart 1255 and U.S.G.S. quadrangle PINE ISLAND CENTER.

BIG SANDY CREEK

DEER STOP KEYS

FLORIDA  
FORTY ACRE BAY

LITTLE PINE ISLAND  
LOWER 36 BAY

MATLACHA  
MATLACHA PASS  
MC CARDLE ISLAND

PINE ISLAND  
PINE ISLAND CENTER  
PINE ISLAND CREEK  
PINE ISLAND SOUND  
PUMPKIN KEY

ROCK CREEK

STATE 78  
STATE 767

THE MUD HOLE

UNDERHILL CREEK  
UNDERHILL POINT  
UPPER 36 BAY

WEST ISLAND

*Names checked & approved  
A. J. Wright  
3-25-65*

49. NOTES TO THE HYDROGRAPHER

Fifty-seven (57) photo-hydro stations are listed below:

- NOTE A: - Driven at the point is a 1" x 2" stake, 3 feet long. The top portion of this stake is painted white and U. S. Gov't is stenciled on it in black. Also nearby is a 1" x 1" fat pine stake 5 feet long that has a small white flag attached or the top portion of the stake is painted white.
- NOTE B: - Tied on or nearby is a two-foot white cloth streamer.
- NOTE C: - Wired on or nearby, with galvanized wire, is a quart oil can.
- 0801 The north gable of a large two-story building. The building's sides are covered with tar paper and the roof is tin. Station is not marked - photo 42869.
- 0802 The center of a small isolated mangrove bush that grows about 25 feet northwest of the mangrove shoreline. There is a small mangrove bush, about ten feet in distance, between this bush and the shoreline. Note A&B - photo 42870.
- 0803 The southwest end of a low sharp point of mangrove that is composed of two or three mangrove bushes. Note A&B - photo 42870.
- 0804 A blunt point of mangrove at the northwest corner of a small indentation. It is the sharpest point of mangrove in the indentation. Note A&B - photo 42870.
- 0805 The west edge of an isolated mangrove bush. This part of the bush forms a sharp point. The entire bush is about 15 feet in diameter. Note A&B - photo 42870.
- 0806 The southwest end of a sharp point of mangrove. There are some dead mangrove bushes in this point. This is the first sharp point of mangrove about 400 feet north-northeast of a larger blunt point of mangrove. Note A&B - photo 42870.
- 0807 A blunt point of mangrove at the northwest corner of a small indentation in the mangrove shoreline. Note A&B - photo 42870.



0808 The center of a long mangrove tree that is about 10 feet in height. Tree grows in a small indentation and is about 40 feet northwest of a round point of mangrove that is at the mouth of a small creek. Note A&B - photo 42870

0809 The southeast end of a point of mangrove that grows in a small indentation of the shoreline. Point is formed by one leaning mangrove. Note A&B - photo 42870.

0810 The center of an isolated small mangrove bush that grows about forty feet west of the mangrove shoreline. This bush is the most westerly one in the area. Note A&B - Photo 42870.

FALLS ON  
T-11411

0811 The south end of a sharp point of mangrove located at the north-northeast end of the island, on the west side of the very tip end of island. Note A&B - photo 42871

0812 The northeast corner of a low overhanging mangrove limb that extends about 15 feet beyond the shoreline. Note A&C - photo 42930.

0813 The south end of a mangrove bush that grows on a small shell spot about 60 feet west of the most northeast point of the island. Note A & C - photo 42930.

on T-11411

0814 A two-inch mangrove pole braced with two mangrove poles all of which are driven about four feet in the sand and mud. The pole is about one meter west of the mangrove shoreline. Note A&C (Approx. pos. on 42930)

0815 A low overhanging point of mangrove at the point where the shoreline makes its most abrupt turn. Note A&C - photo 42930.

0816 The center of the top of a small mangrove tree that is about 30 feet tall. This tree grows at the back of a small recess in the shoreline. The short stake described in Note A is nailed to the tree about six feet above high-water. Note C - photo 42930.

0817 The most southwesterly point of mangrove on the island. This point is formed by the shoreline making a bend at this point. The point of mangrove is about 6 feet tall. Note A&C.



U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY  
DESCRIPTIVE REPORT  
CONTROL RECORD

MAP T. 114.09

PROJECT NO. Ph 146 (54)SCALE OF MAP 1:10,000SCALE FACTOR 1

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)	
✓ <u>NIGGER 1927</u>	<u>P.C. 24</u>	<u>NA 1927</u>	<u>810,977.65</u>	✓ <u>24</u>	<u>7186.5</u>				<u>Ph 115 10 June 59</u>
			<u>528,530.09</u>	<u>16</u>	<u>1096.3</u>				<u>R.P. "</u>
✓ <u>MILES 1927</u>	<u>"</u>	<u>"</u>	<u>812,549.43</u>	✓ <u>24</u>	<u>7665.6</u>	<u>Not plotted</u>			<u>"</u>
			<u>521,963.72</u>	<u>15</u>	<u>9094.9</u>				<u>"</u>
✓ <u>FOUR MILE 2 1927</u>	<u>P.C. 25</u>	<u>"</u>	<u>826,476.62</u>	✓ <u>25</u>	<u>1910.6</u>	<u>Not plotted (removed)</u>			<u>"</u>
			<u>528,650.22</u>	<u>16</u>	<u>1132.9</u>				<u>"</u>
✓ <u>AE1 (EGG) 1934</u>	<u>P.C. 57</u>	<u>"</u>	<u>827,917.53</u>	✓ <u>25</u>	<u>2349.8</u>				<u>"</u>
			<u>535,551.56</u>	<u>16</u>	<u>3236.4</u>				<u>"</u>
✓ <u>PF 2 1945</u>	<u>P.C. 56</u>	<u>"</u>	<u>821,883.14</u>	✓ <u>25</u>	<u>0510.5</u>	<u>EAST OF</u>			
			<u>541,821.71</u>	<u>16</u>	<u>5147.6</u>				
✓ <u>FT MYERS COUNTRY CLUB W.T. 1955</u>	<u>P.C. 99</u>	<u>"</u>	<u>827,871.74</u>	✓ <u>25</u>	<u>2335.8</u>				<u>"</u>
			<u>532,785.22</u>	<u>16</u>	<u>3917.3</u>				<u>"</u>
✓ <u>SHAD USE 1936</u>	<u>USED PHOTO.</u>	<u>"</u>	<u>26 34 10.746</u>	✓ <u>81 54</u>	<u>26.761</u>		<u>330.7</u>		<u>"</u>
			<u>818,537.66</u>	✓ <u>24</u>	<u>9490.8</u>		<u>740.6</u>		<u>"</u>
✓ <u>PAGE ARMY AIRFIELD ARWAY BEACON 1945</u>	<u>P.C. 57</u>	<u>"</u>	<u>546,934.39</u>	✓ <u>16</u>	<u>6705.9</u>	<u>E of Proj. Limits</u>			<u>"</u>
			<u>26 33 50.91</u>				<u>1566.8</u>		<u>" Nov 1944</u>
✓ <u>RIVER 1961</u>	<u>field</u>	<u>"</u>	<u>81 55 16.78</u>				<u>464.4</u>		<u>"</u>
			<u>26 34 15.86</u>				<u>488.1</u>		<u>"</u>
✓ <u>MUDDY 1961</u>	<u>"</u>	<u>"</u>	<u>81 55 52.36</u>				<u>1449.1</u>		<u>"</u>
			<u>26 36 21.13</u>				<u>650.3</u>		<u>"</u>
✓ <u>SUN DECK 1961</u>	<u>"</u>	<u>"</u>	<u>81 53 35.80</u>				<u>990.5</u>		<u>"</u>
			<u>26 36 27.45</u>				<u>844.8</u>		<u>"</u>
✓ <u>SHORE 1961</u>	<u>"</u>	<u>"</u>	<u>81 54 44.97</u>				<u>1244.1</u>		<u>"</u>

1 FT. = 3048006 METERS

COMPUTED BY: R.P.W.DATE April 59CHECKED BY: R.P.P.DATE June 59

COMM-DC-57043

10



- 0829 A sharp low hanging point of mangrove. The point of this mangrove is about 3 feet above high water. Note A&C - photo 42930.
- 0830 The east edge of a mangrove limb that is about 12 feet above water. The oil can described in Note C is wired to this limb about 10 feet above water. Note A - photo 42930.
- 0831 A corner or point of low mangrove where the mangrove shoreline makes a sharp bend to the west for about 3 meters before turning to the south-southwest again. Note A&C - photo 42929.
- 0832 A 3-inch mangrove pole braced with 2 mangrove poles driven into the sand about one meter beyond the mangrove shoreline. The short stake described in Note A is nailed to the top of the upright pole. Note C - photo 42929.
- 0833 A point of mangrove that is about six feet above M.H.W. There is the remains of an oil stove about 15 feet north of the station that is awash at M.H.W. Note A&C - photo 42929.
- 0834 A point or corner of mangrove where the shoreline turns east into a small indentation. There is a large dead mangrove snag at the east end of this indentation. Note A&C - photo 42929.
- 0835 The middle point of three blunt points of mangrove on the extreme southwest end of the island. Note A&C - photo 42929.
- 0836 A point of mangrove. Point is the longest, sharpest and the lowest one in near area. Note A&C - photo 42929.
- 0837 A point of mangrove about 4 feet in height. The first sharp point north of the southeast corner of the island. Note A&C - photo 42929.
- 0838 The corner of the mangrove where the shoreline turns west into the small stream. Note A&C - photo 42929.
- 0839 A point of mangrove that is about 120 feet east-northeast of the mouth of a small stream. The highest part of this mangrove is about ten feet above M.H.W. Note A&C - photo 42929.

- 0840 A limb of a mangrove tree that is about 15 feet tall. This limb hangs over the water about 2 meters. Note A&C - photo 42929.
- 0841 A point of mangrove that is the northeast tip of the island. Note A&C - photo 42928.
- 0842 The center part of the shoreline edge of a mangrove bush that is about 6 meters in diameter. Bush projects the most of any in a slight recess in the shoreline. Note A&C - photo 42928.
- 0843 The northwest edge of the top of a mangrove tree that is about 20 feet tall. This tree has a small white pointer nailed to it that is numbered E-39. The mangrove just to the west of this tree is about 8 feet tall. Note A&C - photo 42928.
- 0844 The center part of the west edge of an isolated clump of mangrove that is about 5 meters in diameter. Note A&C - photo 42943.
- 0845 A corner of mangrove where the shoreline turns from south-southwest to southeast for 4 or 5 meters before turning to the south-southwest again. Note A&C - photo 42943.
- 0846 An overhanging mangrove bush where the shoreline turns from southwest to south-southeast. Note A&C - photo 42943.
- 0847 A 2x8 driven 5 feet into the mud and projecting 3 feet above M.H.W. The short stake described in Note A is nailed to the top of the 2x8. Note C - photo 42943 for approximate position.
- 0848 A low sharp point of mangrove that is near the northeastern part of a larger non prominent point. Note A&C - photo 42929.
- 0849 The west end of an overhanging mangrove limb that is about 40 feet north of a small indentation in the shoreline. This limb is about 10 feet above high water and projects the most of any nearby. Note A&C - photo 42943.
- 0850 A corner of mangrove at the southwest corner of a small indentation in the shoreline. Note A&C - photo 42943.
- 0851 A small corner of mangrove on the southwest corner of a small indentation in the shoreline. Note A&C - photo 42943.



- 0852 A point of mangrove that is formed by a broken mangrove limb that hangs very close to the water. It is the most north-west point of the island. Note A&C - photo 42943.
- 0853 A very low and sharp point of mangrove. There is a small dead mangrove tree about 15 feet north of the point. Note A&C - photo 42943.
- 0854 A low, sharp point of mangrove that forms the extreme west end of the larger point. Note A&C - photo 42944.
- 0855 A sharp point of mangrove that is about 10 feet above M.H.W. Note A&C - photo 42944.
- 0856 A point of mangrove that is a low overhanging limb. The first limb just south of the extreme northwest tip of the large point. Note A&C - photo 42944.
- 0857 A corner of mangrove on the south side of a narrow indentation through which a person can see about 100 feet inshore. Point is at about the sharpest bend in the shoreline about 80 feet south of the large point. Note A&C - photo 42944.

#### TOPOGRAPHIC STATIONS

AIR (1943) 1957

LEON 1957

NINA 1957

STAN 1957

LAST 1957 (Northeast corner of flat roof house.) (n.m.)

# TIDE COMPUTATION

PROJECT NO. Ph. 145 T. 11408

Time and date of exposure 12 35 Oct 24 58 Reference station Tampa Fla. Mean range 1.4  
 Date of field inspection 13 25 Subordinate station Punta Gorda. Ratio of ranges 1.9

	Time		Height feet	Height x Ratio of ranges	High tide Low tide Range of tide	Time h. m.
	h.	m.				
High tide	16	16		1.4		
Low tide	9	27		0.1		
Duration of rise or fall	6	49		1.3		

	Time		High tide at Ref. Sta. Time difference Corrected time at Subordinate station	Time h. m.
	h.	m.		
High tide at Ref. Sta.	8	56		
Time difference	1	31		
Corrected time at Subordinate station	9	27		

	Time		Low tide at Ref. Sta. Time difference Corrected time at Subordinate station	Time h. m.
	h.	m.		
Low tide at Ref. Sta.	16	05		
Time difference	1	11		
Corrected time at Subordinate station	16	16		

Time H. T. or L. T. Required time Interval	h. m.	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	feet	Feature bares Stage of tide above MLW Feature above MLW	Photo. No.
Time H. T. or L. T. Required time Interval	9 27 12 35 3 08	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	1.4 .7 0.7	Feature bares Stage of tide above MLW Feature above MLW	585 1514 A
Time H. T. or L. T. Required time Interval	16 16 13 25 2 51	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	0.1 .6 0.7	Feature bares Stage of tide above MLW Feature above MLW	585 1515 97
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW	
Time H. T. or L. T. Required time Interval		Ht. H. T. or L. T. Tabular correction Stage of tide above MLW		Feature bares Stage of tide above MLW Feature above MLW	

Computed by R. H. Wagner checked by R. H. Wagner

# TIDE COMPUTATION

PROJECT NO. Ph- 146 T. 11408

Time and date of exposure 1406 Dec 1 1953 Reference station TAMPA BAY Mean range 1.4  
 Date of field inspection \_\_\_\_\_ Subordinate station Punta Gorda Ratio of ranges 0.9

	Time		Height feet	Height x Ratio of ranges	Time h. m.	Time h. m.
	h.	m.				
High tide	12	01	1.0	0.9	11	41
Low tide	16	08	0.8	0.7	7	20
Duration of rise or fall	4	07		0.2	12	01
						Corrected time at Subordinate station
						Low tide at Ref. Sta. Time difference
						Corrected time at Subordinate station

	Time		Height feet	Height x Ratio of ranges	Time h. m.	Time h. m.
	h.	m.				
Time <del>H. T.</del> or L. T. ....	14	08	Ht. <del>H. T.</del> or L. T. ....			
Required time ....	14	06	Tabular correction ....			
Interval ....	2	02	Stage of tide above MLW ....			
Time H. T. or L. T. ....			Ht. H. T. or L. T. ....			
Required time ....			Tabular correction ....			
Interval ....			Stage of tide above MLW ....			
Time H. T. or L. T. ....			Ht. H. T. or L. T. ....			
Required time ....			Tabular correction ....			
Interval ....			Stage of tide above MLW ....			
Time H. T. or L. T. ....			Ht. H. T. or L. T. ....			
Required time ....			Tabular correction ....			
Interval ....			Stage of tide above MLW ....			
Time H. T. or L. T. ....			Ht. H. T. or L. T. ....			
Required time ....			Tabular correction ....			
Interval ....			Stage of tide above MLW ....			
Time H. T. or L. T. ....			Ht. H. T. or L. T. ....			
Required time ....			Tabular correction ....			
Interval ....			Stage of tide above MLW ....			

Computed by PPV Checked by PPV M 2617-12

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

## NONFLOATING AIDS/OR/LANDMARKS FOR CHARTS

Tampa, Florida

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

The positions given have been checked after listing by

**W. H. Shearouse**

**Arthur L. Wardwell** *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.

PHOTOGRAMMETRIC OFFICE REVIEW

50

T- 11408

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

5a. Classification label Unclassified

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy WHS 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 RFW 10. Photogrammetric plot report RFW 11. Detail points WHS

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline WHS 13. Low-water line WHS 14. Rocks, shoals, etc. WHS 15. Bridges XX 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 WHS

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

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-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 80	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 L. Lenn*  
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

*J. E. Vaughn 8/17/65*  
Chief, Photogrammetry Division

