

11384

Diag. Cht. Nos. 1255 Insert & 1256.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. Ph-146 Office No. T-11384

LOCALITY

State Florida

General locality Gulf Coast

Locality Manasota Beach to Horse
and Chaise Point

1953-54

CHIEF OF PARTY

I.R. Rubottom, Chief of Party
H.C. Applequist, Tampa Photo Office

LIBRARY & ARCHIVES

DATE December 1965

USCOMM-DC 5087

11384

DESCRIPTIVE REPORT - DATA RECORD

T - 11384

Project No. (II): 6146

Quadrangle Name (IV):

Field Office (II): Tampa Florida

Chief of Party: Ira R. Rubottom

Photogrammetric Office (III): Tampa Florida

Officer-in-Charge: H. C. Applegate

Instructions dated (II) (III): 2 July 1954
Amendment 1 - 9 November 1954

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): Manasota 1955

Lat.: 27°00'36".499(1123.3m)

Long.: 82°24'44".505 (1227.0m)

~~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): W. H. Shearouse
R. R. Wagner

Date: 23 Dec. 1954

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 Dec. 1954

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

Date: 3 Sept. 1954

Projection and Grids checked by (IV): H. D. W. (W.O.)

Date: 3 Sept. 1954

Control plotted by (III): R. J. Pate

Date: ^{17 Jan.}
~~15 Feb.~~ 1955

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

Date: ^{17 Jan.}
~~15 Apr.~~ 1955

Radial Plot or Stereoscopic

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

Date: 14 Feb. 1955

Stereoscopic Instrument compilation (III):
Planimetry
Contours

Inapplicable

Date:

Date:

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

Date: 8 June 1956

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

Date: 11 June 1956

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&GS 9-lens camera

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
42803	1 Dec. 1953	12:21	1:10,000	0.6
42804	"	12:21	"	"
42805	"	12:22	"	"
42806	"	12:22	"	"
42813	"	12:37	"	"
42814	"	12:38	"	"
42815	"	12:38	"	"
42816	"	12:39	"	"

Tide (III) Predicted Tides

Reference Station: Tampa Bay
Subordinate Station: Port Boca Grande
Subordinate Station: Sarasota Point

Ratio of Ranges	Mean Range	Spring Range
	1.5	2.0
0.7	1.0	1.3
0.9	1.3	1.7

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): 12

Shoreline (More than 200 meters to opposite shore) (III): 11

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

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): 26

Recovered: 14

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): 45

Remarks: * Topo Station CHIM, 1954, is a natural object for which Form 524 was not prepared, in accordance with Project instructions.

FIELD INSPECTION REPORT

T-11384, T-11385, T-11386, T-113892. AREAL FIELD INSPECTION.

The land area borders Lemon Bay, a shallow, hazardous body of water that narrows to a small stream at its north end. On the west is the barrier beach, a sand and shell peninsula with a ridge lengthwise its center that rises to 15 feet or more in places. This barrier is broken by one pass (in Survey T-11389, photograph 42820) known as Stump Pass, but due to its instability, the present opening is called by some, Hurricane Pass. (This pass has changed its entrance for the third time in recent years, the present pass having opened during a storm four or five years ago, according to local information.) The peninsula to the north of Stump Pass is unnamed, officially, and is known locally by its beaches, such as Punta Gorda Beach, Englewood Beach and Manasota Beach, the latter two becoming well known in recent years due to cultural development.

To the south of the pass lies an island, which in times past has been several islands due to opening and closing of inlets. The names are retained in local usage although the inlets are presently closed. This island is notable in that it is one of the last undeveloped areas along Florida's west coast. Further, it is widely known as the most extensive sea turtle nesting beach along the coastline and is protected during nesting season. There are no roads on this island and the vegetation is a sub-tropical growth of palm, palmetto and scrub, with mangrove engulfing the coves and shoreline of the bay side.

The mainland is flat, poorly drained, pineland with an undercovering of palmetto, brush and cabbage palm trees. Near the bay shore the land is rapidly being developed by real estate companies. Notable is the South Venice development (T-11384) comprising several hundred acres which has been subdivided into small lots and sold by the Venice Chamber of Commerce to individuals from every State in the Union at low price.

The exceptional flatness of the terrain presents a drainage problem. During rainy seasons the earth covers with water that doesn't move off as flowage except near creeks. This causes many intermittent ponds. Also, it poses a problem to the field inspector and compiler as to which should be classified ponds and which intermittent ponds. In order to obviate undue discussion and study by the compiler, a careful examination was made on the ground by actually walking the shoreline and studying the berm and tone lines on the photographs as compared to the ground conditions, of many of them. Even this did not eliminate the problem as it was difficult to accurately differentiate at the spot. However, the following recommendations are made:

- (1) Ponds without visible off-drains or flowage, which are dark in tone, and with definite berms, show as POND.
- (2) Those described in (1) but with a gray tone in parts of them, which is grass in water, classify POND.
- (3) Areas of low appearance, generally visibly connected to other similar depressions by ditches or evident over-flowage, classify INTERMITTENT POND. The line to be delineated here is the outer berm or tone-change. Often found inside these light-colored areas will be dark areas which was water at time of photography and is the part that stays wet year round, the photographs having been taken in a normally dry season.
- (4) To sum up the foregoing, it is felt that a good rule to follow would be IF THERE IS A DOUBT, SHOW AS INTERMITTENT.

There are a number of dug ponds near residences. These are not borrow pits but holes dug for the purpose of draining the occupied land and should be classified POND.

Englewood is the only town. It is an unincorporated area which is developing as a retirement resort. It is off the beaten path, so to speak, having been by-passed by U. S. Highway 41, the main traffic artery. It is adequately served by State Highways 775, 776 and 777 however.

To the southeast of Englewood the area is mostly utilized as ranch land.

Photographic coverage is adequate. The quality is generally good although some difficulty was experienced in selection of photo-hydro station sites along the Gulf beach due to poor contrast of tones.

Thorough field inspection was made of shoreline and interior. No part was purposely omitted. No unusual problems of photographic interpretation exist except the discussion of ponds under this heading.

3. HORIZONTAL CONTROL.

No supplemental control was established, existing control being adequate.

Many stations of the Lemon Bay third-order triangulation scheme of the U. S. Engineers, established in 1938, were recovered and designated ones identified for photogrammetric plot use.

A third-order U. S. Geological Survey traverse, which was tied to Coast and Geodetic Survey main scheme triangulation stations by that Agency,

was also used. Stations recovered are:

71 ERS TT (USGS), 1952	62 ERS TT (USGS), 1952
TT40 JA (USGS), 1952	TT 41 JA (USGS), 1952
TT 42 JA (USGS), 1952	TT 43 JA (USGS), 1952
67 ERS TT (USGS), 1952	68 ERS TT (USGS), 1952

Only two Coast and Geodetic Survey Stations exist. Both were recovered and reported on Form 526.

4. VERTICAL CONTROL.

Inapplicable.

There are no tidal bench marks.

5. CONTOURS AND DRAINAGE.

Contours inapplicable.

Drainage has been inspected in numerous places and labelled on the photographs. Refer to Item 2 for a discussion of ponds. Many of the ponds and low areas have been drained by ditches which are evident on the photographs.

Several creeks drain the mainland. They are very shallow, particularly at the mouths which dry up completely during minus tides. Most of them are "peppered" with small oyster bars which make navigation hazardous to small boats, even when possible, which is only at extreme high-water.

6. WOODLAND COVER.

Classified in numerous instances on the photographs.

7. SHORELINE AND ALONGSHORE FEATURES.

Alongshore features such as piers, net racks, etc., were thoroughly inspected and labelled.

The mean high-water line was inspected and labelled. In the bay it is mostly self-evident. However, it was not readily visible on the photographs on the Gulf beach and it was measured-in from identifiable images at intervals of 1,000 - 1,200 feet. The mean high-water line was then extended a few hundred feet on either side of the measured point and it is believed that the compiler will experience no difficulty in completing the delineation.

The planetable was used to locate the mean high-water line at Stump Pass and nearby shoreline. This beach is rapidly changing and the Hydrographer may find it necessary to again check it.

The low-water line was shown as approximate in the bay only. Tides are largely controlled by the wind in the bay and flats uncover at extreme low tides. Final low-water line will have to be determined by the Hydrographer.

No attempt was made to locate low-water line on the Gulf beach, as agreed between the field unit and the hydrographic party.

The foreshore along the Gulf beach is sand and shell. In the bay it is sand or mud, often covered with grass.

The beaches are of gradual slope with no bluffs of consequence.

There are no submarine cables.

8. OFFSHORE FEATURES.

Offshore features of importance ^{in the bays} are the oyster bars, shoals and several piling used by local navigators as channel markers. These features have been labelled on the photographs or located by sextant fix or theodolite cuts. There are none off the Gulf beach.

9. LANDMARKS AND AIDS.

There are no maintained aids to navigation. However, there are several piling that serve as channel markers, particularly in Survey No. T-11389. These were located by theodolite cuts but are not considered adequate for charting as aids and are not reported on Form 567. They should be charted as "pile".

There are two landmarks recommended for nautical charts. They are listed on Form 567.

10. BOUNDARIES, MONUMENTS, AND LINES.

Inapplicable.

11. OTHER CONTROL.

The following are topographic stations that will be of value to the Hydrographer for which Form 524 is submitted:

ABLE, 1954	CHIM, 1954	GABE, 1954	JUDY, 1954
EOP, (1944) 1954	JOH, (1944) 1954	ENGLEWOOD AZ. MK., (1943) 1954	

Photo-hydro stations were selected throughout so as to provide adequate control for the hydrographic survey. Lone mangrove bushes, prominent gables, conspicuous lone palm or Australian pine trees, and oyster bars were used.

In a few instances where it could not feasibly be avoided, points of mangrove along otherwise "smooth" shoreline were identified. Care was exercised in these selections and all are believed to be within accuracy requirements. Further, these points are usually in creeks or narrow areas where their use will be negligible.

Along the Gulf beach, many seagrape bushes were chosen. In addition to marking these station sites with the usual stake with flag and accompanying shorter stake, a large number of the stakes were numbered with wax pencil to assure the Hydrographer of positive recovery. These station sites were selected at intervals usually not in excess of 1,000 - 1,200 feet in order that a "fix" could be obtained while running close to shore.

Gables and other conspicuous features were selected from offshore so as to give advantage while sounding the distant waters.

Numbers were assigned photo-hydro stations using the last two digits of the T-map number then adding 01, 02, etc., as previously arranged with the hydrographic party. Stations are described in Sketch Books Nos. 1, 2, 3, and 4.

12. OTHER INTERIOR FEATURES.

Roads were classified completely throughout and in accordance with current instructions.

Alongshore and inshore buildings were classified in accordance with Project Instructions.

There are two overhead power cables crossing navigable water. One is at the Manasota Beach bridge (T-11384) and has a vertical clearance above mean high-water of 98 feet. The other is at the Punta Gorda Beach bridge (T-11389) and has a vertical clearance above mean high water of 63 feet, both measurements being to the lowest point of the catenary.

Bridge data follows:

	Survey No. T-	Type	Bridge Book (Horiz) Feet	C&GS (Horiz) Feet	Bridge Book ab.H.W. Feet	C&GS above ab.M.H.W. Feet
Alligator Creek	11384	Fixed	not listed	13.7	not listed	8.5
North end Lemon Bay	11384	Fixed foot	not listed	15.0	not listed	8.5
1/2 mile S of N end of Lemon Bay (East Bridge)	11384	Fixed foot	not listed	15.0	not listed	8.0
1/2 mile S of N end of Lemon Bay (West Bridge)	11384	Fixed foot	not listed	15.0	not listed	8.0
Manasota Beach Bridge	11384	Fixed	28.8	27.2	6.5	6.6
Forked Creek	11385	Fixed	not listed	13(15.5)*		5.2
Englewood (Punta Gorda Beach Bridge)	11389	Bascule	26	28	8.5	8.0
Oyster Creek	11389	Fixed	14	13	5.0	6.0
Buck Creek	11389	Fixed	14	9(14)**	5.0	6.0

Vertical clearances were measured to mean high-water markings on the bridge pilings as this was considered more accurate than a tide computation in this locality.

*Sunken pile 2.5 feet from NW edge of span prevents full clearance of 15.5 feet.

**5 feet of span blocked by timber fixed horizontally to bridge piles.

13. GEOGRAPHIC NAMES.

The following new names are well known in local usage and no conflict was noted. They appear to be permanent enough for charting and are recommended:

ENGLEWOOD BEACH, Survey T-11389, photograph 42819

MANASOTA BEACH, Survey T-11384, photograph 42806

PINEY POINT, Survey T-11389, photograph 42819

No discrepancies were noted in charted names, although no systematic check was made.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA.

None.

Respectfully submitted

William H. Shearouse

William H. Shearouse
Cartographer

23 Dec. 1954

APPROVED AND FORWARDED

Ira R. Rubottom

Ira R. Rubottom, Chief of Party

ADDENDUM NO. 1 TO FIELD INSPECTION REPORT FOR

T-11384, T-11385, T-11386, T-11389

13. GEOGRAPHIC NAMES. -- The name WOODMERE appears on planimetric map T-5854 at latitude $27^{\circ} 03.2'$, longitude $82^{\circ} 24.5'$, and on T-5855 at latitude $27^{\circ} 01.2'$, longitude $82^{\circ} 23.4'$. Investigation determined the latter position to be the correct location. A number of people were interviewed and no one knew of the area as shown on T-5854 ever having been called WOODMERE.

Information obtained from the following citizens is considered authoritative.

1. Harry Chapin, local resident 32 years - Real Estate Broker
Venice, Fla.
2. Guy Curwood, local resident 25 years - City Bldg. Inspector
Venice, Fla.
3. John A. Stancar, local resident 12 years - Real Estate Broker
Englewood, Fla.

William H. Shearouse
William H. Shearouse
Cartographer

APPROVED AND FORWARDED:

H. C. Applequist
H. C. Applequist,
Chief of Party

COMPILATION REPORT T-11384PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11396

31. DELINEATION

The graphic method was used.
The photographs were of poor scale.
The field inspection was very good. ~~It is submitted herewith.~~

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.
The drainage was delineated without any difficulties.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate.
The low water line was furnished by the field inspector.

36. OFFSHORE DETAIL

No unusual problems were encountered.

37. LANDMARKS AND AIDS

There are no landmarks or aids.

38. CONTROL FOR FUTURE SURVEYS

Two photo-hydro stations, one submitted with T-11090(north) and the other with T-11385 fall within the limits of this manuscript.

Forms 524 are submitted with data for this manuscript.

A list of topographic and photo-hydro stations, with descriptions for the latter are included in paragraph 49.

39. JUNCTIONS

Junctions were made with the following: T-11090 to the north T-11385 and T-11386 to the south. There are no contemporary surveys to the east and west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with C&GS planimetric maps T-5854 and T-5855 scale 1:10,000, dated 1944. The manuscript and maps are in fair agreement.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with C&GS Chart 1256 (Lemon Bay to Passage Key Inlet) scale 1:80,000, published (3rd Ed.) 12 March 1943 and corrected 21 May 1955. The two are in fair agreement. A wreck appears on the nautical chart just south of Horse and Chaise Point that does not appear on the manuscript. It has been called to the attention of the hydrographer. The maps listed in Item 46 appear to be the sources of topography and the same differences exist.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Approved and forwarded:

H. C. Applequist
H. C. Applequist, Chief of Party

R. R. Wagner
R. R. Wagner
Carto Survey Aid.

48. GEOGRAPHIC NAME LIST

The following are base map names applied to the manuscript.

ALLIGATOR CREEK

BAFFIN DRIVE

ENGLEWOOD ROAD

FORKED CREEK

HORSE AND CHAISE POINT

LAKE SIDE DRIVE-IN CHURCH
LEMON BAY

MANASOTA

MANASOTA BEACH *

MANACSTA BRIDGE

RED LAKE

SEMINOLE DRIVE

SHAMROCK DRIVE

STATE 775

TAMIAMI TRAIL

US 41

WOODMERE

* New name-Reference Field Inspection Report. *OK a/jw*

A. J. Wright
Geog. Names Sec.

T-11384
(Ph-146 Florida)

49. NOTES FOR THE HYDROGRAPHER

The following is a list of fifty eight(58) photo-hydro stations with pertinent data. Note "A" means a 1x1 inch stake (with a small flag) which usually projects three(3) feet above ground and has a 1x2 inch stake nearby which projects approximately one (1) foot above ground:

- 8520- West gable of red roof of white house. Photo 42806
- 8401- Triangulation Station LBM(USED) 1938. Flagged
- 8402- Seaward end of pier.(Not Flagged) Photo 42806
- 8403- Southwest stake, in group of stakes(2x4) has a brace stake near bottom. Flagged. Photo 42806
- 8404- Power pole on east side of Bay, at bridge located from East Base (USE) see Photo 42806
- 8405- Center of lone mangrove bush 30 feet offshore. Marked note "A" Photo 42806
- 8406- West point of mangrove clump. Note "A" Photo 42806
- 8407- Topographic Station LBG (USED) 1938. Flagged
- 8408- Southwest end of mangrove point. Note "A" Photo 42805
- 8409- 150 feet west of east end of foot bridge on south east side of bridge. Nail with triangle cut in floor and marked with red keel. Photo 42804
- 8410- In a point of mangrove 10 feet south east of cleared line and 5 feet south of iron pipe. Photo 42804 Note "A"
- 8411- South tip of a point of mangrove. There is a small sand bar leading south from point. Photo 42804 Note "A"
- 8412- Tip end of mangrove point. Note "A" Photo 42804
- 8413- Tip end of mangrove point. Note "A" Photo 42804

- 8414- Tip end of mangrove point. Note "A" Photo 42804
- 8415- Tip end of mangrove point. Note "A" Photo 42804
- 8416- Mangrove bush on rounded point just north of fast shoreline. Note "A" Photo 42805
- 8417- Triangulation Station V-285 + 00(USED) 1938 under 3rd span of foot bridge.
- 8418- Triangulation Station LBF(USED) 1938 Flagged
- 8419- Tip end of mangrove point. Note "A" Photo 42805
- 8420- Triangulation Station LBD(USED) 1938 Pricked on Photo 42805
- 8421- The southeast end of foot bridge. Flagged and marked with a red triangle. Photo 42804
- 8422- An umbrella shaped mangrove bush on point Flag wrapped around tree. Photo 42805
- 8423- A "T" shaped pier with the point being the center of the "T"
- 8424- 100feet off set a standard USED Harbor Survey mark. Photo 42805
- 8425- V-308+50.2 USED 1938. Photo 42805
- 8426- Southwest tip of grass in water in mouth of creek. Photo 42805
- 8427- Triangulation Station LBE USED 1938 A cut line in mangrove to station about 100feet from shoreline. A 16' signal will needed.
- 8428- Triangulation Station LBH USED 1938. Flagged. Photo 42806
- 8429- East gable of boat house on pier "Gray" Photo 42806
- 8430- Power line pole on west side of bay. Photo 42806
- 8431- Lone Australian pine tree on point. Flagged. Photo 42806
- 8432- Seaward end of pier. Photo 42806 Not flagged.

8433- Triangulation Station LBL (USED) 1938 Flagged.
Photo 42806

8434- Center of 10 foot wide white chimney on west side
black roofed house approximately 900 feet inshore.

8435- Seaward tip of seagrape bush on low bluff. Marked note
"A" Photo 42804

8436- South end of oblong shaped seagrape bush 57feet east
of MHWL. Marked Note "A" Photo 42804

8437- Center of low seagrape clump which is just south of
another seagrape bush and is 63 feet inshore from MHWL.
Marked note "A" Photo 42804

8438- Center of seagrape bush 105feet inshore from MHWL.
There's a small opening in between the low sand dunes that
leads to station, which is about 30feet behind the bluff-
like dunes. The opening is void of vegetation. The stake
is numbered 8438. Marked note "A" Photo 42804.

8439- A lone palm tree at the southeast end of a rather
large seagrape bush. The Palm is 124 feet inshore from
MHWL. Marked note "A" and the stake numbered. Photo 42804

8440- Small seagrape bush 108feet inshore from MHWL about
equal distance between edge of grass(at sand beach) and 4 foot.
Marked note "A" and stake numbered. Photo 42804

8441- A small lone bushy palm on ridge at west edge of sand
road and 94 feet from MHWL. Note: There are several white
property line stakes in this vicinity. Marked note "A"
Photo 42804

8442- Seaward tip of low seagrape bush, 20feet offshore from
sand ridge approximately 100feet northwest of lone Australian
pine and 83feet from MHWL Marked note "A" and stake numbered.
Photo 42804

8443- Topographic Station LOP(1944) 1954, in seagrape bush
and about 40feet southeast of Blazed palm and 99feet from
MHWL. Photo 42805

8444- Center of seagrape bush which is on first terrace-like
step of sand ridge and is 86feet from MHWL approximately
30feet northwest of tiny Australian pine. The sand road
atop the ridge turn left (southeast) just south of station.
Marked note "A" and stake numbered. Photo 42805

8445- Gable of gray house with gray roof approximately 300 feet southeast of blue house with white roof. Photo 42805

8446- Northerly of two(2) seagrape bushes on first step of sand ridge and 58 feet from MHWL. Marked note "A" and stake numbered Photo 42805

8447- Red brick chimney atop white house with gray roof. The chimney is near south end of house. There's another house of like appearance approximately 200 feet northwest. Photo 42805

8448- Center of a round seagrape bush 30 feet inshore from grass line and 66 feet from MHWL, and approximately 580 feet northwest of a lone Australian pine. Marked note "A" Pricked Photo 42805

8449- Center of grass clump at edge of grassline 42 feet from MHWL, 33 feet northwest of two(2) medium size Australian pines, approximately 125 feet north northwest of large Australian pine and approximately 100 feet south of path leading to brindle colored house. Marked note "A" Pricked Photo 42805

8450- Gray brick chimney on yellow house trimmed in white Pricked on Photo 42805

8451- Center of about 5 foot diameter seagrape bush approximately 20 feet inshore from grass line and 124 feet inshore from MHWL. There are large seagrape bushes to the east, southeast, and south. Note "A" and staked numbered. Photo 42806

8452- TT404A (USGS) 1952. Power pole about 2 feet north northwest of station and is leaning toward mark. MHWL is 370 feet at a magnetic bearing of 280° from station. Pole and station is located just west from road leading north at the northeast end of cleared area and at end of road accross the Lemon Bay Bridge. The cross arms on the pole should be used as the hydro station.

8453- Northwest corner of the northerly of six(6) cabins painted white. Photo 42806

8454- Northwest corner of rambling block house. Photo 42806

8455- Southwest corner of block house trimmed in green.
Photo 42806

8456- Topographic Station ABLE 1954 Flagged Photo 42804

9038- Bush Photo 42803

Following is a list of ^{five (5)}~~four (4)~~ recoverable topographic stations:

ABLE 1954

LOP (1944)1954

100 foot offset(USE) 1938 (1944) 1954

200 foot offset (USE) 1938 (1944) 1954

CHIM, 1954

TIDE COMPUTATION

PROJECT NO. Ph. 146 T. 11384

Time and date of exposure 1230 Dec 1953 Reference station Tampa, Fla.Mean range 1.3

Date of field inspection _____

Subordinate station Sarasota PointRatio of ranges 0.9

	Time	
	h.	m.
High tide	9	26
Low tide	13	33
Duration of rise or fall	4 07	

	Height		Height x Ratio of ranges
	feet		
High tide	1.0	✓	0.9
Low tide	0.8	✓	0.7
Range of tide			0.2

	Time	
	h.	m.
High tide at Ref. Sta.	11	41
Time difference	-	2 15
Corrected time at Subordinate station	9 26	

	Time	
	h.	m.
Low tide at Ref. Sta.	15	48
Time difference	-	2 15
Corrected time at Subordinate station	13 33	

	h.	m.		feet		feet	Photo. No.
Time H. T. or L. T.	13	33	Ht. H. T. or L. T.	0.7	Feature bares		
Required time	12	30	Tabular correction	0.0	Stage of tide above MLW		
Interval	1	03	Stage of tide above MLW	0.7	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		

M-2617-12

Computed by R.P.H.Checked by HS

TIDE COMPUTATION

PROJECT NO. Ph. 146 T. 11384

Bay

Mean range 1.0

Tampa File

Time and date of exposure 1330 Dec 1 1953

Ratio of ranges 0.7

Subordinate station Port Boca Grande, Charlotte Harbor

Date of field inspection

	Time		Height feet	Height x Ratio of ranges	Time h. m.	Time h. m.	Time h. m.
	h.	m.					
High tide	10	06	1.0	0.7	11	41	13-48
Low tide	14	13	0.8	0.6	11	35	1-35
Duration of rise or fall	4	07		0.1	10	06	14 13

	h.	m.	feet	feet	Photo. No.
Time H. T. or L. T.	14	13	0.6	Feature bares	
Required time	12	30	0.0	Stage of tide above MLW	
Interval	1	43	0.6	Feature above MLW	
Time H. T. or L. T.				Feature bares	
Required time				Stage of tide above MLW	
Interval				Feature above MLW	
Time H. T. or L. T.				Feature bares	
Required time				Stage of tide above MLW	
Interval				Feature above MLW	
Time H. T. or L. T.				Feature bares	
Required time				Stage of tide above MLW	
Interval				Feature above MLW	
Time H. T. or L. T.				Feature bares	
Required time				Stage of tide above MLW	
Interval				Feature above MLW	

PHOTOGRAMMETRIC OFFICE REVIEW

50.

T-11384

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

Unclassified

(a. Classification label)

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

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

40. Jesse A. Giles
Jesse A. Giles
Reviewer

William A. Rasure
William A. Rasure
Supervisor, Review Section or Unit

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:

M-2623-12

Review Report
Shoreline Maps
T-11384 thru T-11388
January 1965

61. General Statement

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

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-5855	1:10,000	1944
T-5856	1:10,000	1944
T-5877	1:10,000	1944
T-5879	1:10,000	1944
T-5880	1:10,000	1944
T-8409	1:20,000	1944
T-8410	1:20,000	1944

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

Myakka River	1:24,000	1944
Venice	1:24,000	1944
Englewood	1:24,000	1956
Englewood NW	1:24,000	1957
El Jobean	1:24,000	1957
Punta Gorda	1:24,000	1957

There are cultural and shoreline changes but, in general the agreement is good.

64. Comparison with Contemporary Hydrographic Surveys

H-8153	1:20,000	1955
H-8155	1:10,000	1955
H-8357	1:10,000	1957
H-8469	1:10,000	1959
H-8471	1:10,000	1959
H-8472	1:10,000	1959

Shoreline and control was furnished prior to hydrography and no changes of importance exist.

65. Comparison with Nautical Charts

1255	1:80,000	1956
1256	1:80,000	1955
857 SC	1:40,000	1964

There are only minor differences that exist. However, their are no items to be applied immediately.

66. Accuracy of Results and Future Surveys

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

Reviewed by,

L. C. Lande
L. C. Lande

Approved by:

Charles Lerner
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

m & Math
fw Chief, Photogrammetry Division

