

10534

Original

Diag. Cht. No. 1255 Insert.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey SHORELINE

Field No. Ph-146 Office No. T-10534

LOCALITY

State FLORIDA

General locality CHARLOTTE HARBOR

Locality PEACE RIVER AND

SHELL CREEK

1953-1958

CHIEF OF PARTY

A. L. Wardwell, Tampa Photo Office

LIBRARY & ARCHIVES

DATE

USCOMM-DC 5087

10534

DESCRIPTIVE REPORT - DATA RECORD

T-10534

Project No. (II): Ph-146

Quadrangle Name (IV):

Field Office (II): Punta Gorda, Fla.

Chief of Party: A. L. Wardwell

Photogrammetric Office (III): Tampa, Fla.

Officer-in-Charge: A. L. Wardwell

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

Copy filed in Division of

Amendment No. 1 9 Nov. 1954

Photogrammetry (IV)

Supplement No.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): AF 50 (FGS) 1934

Lat.:

Long.:

Adjusted

~~Unadjusted~~

Plane Coordinates (IV):

State: Florida

Zone: West

y= 953,248.58 Ft.

x= 501,033.03 Ft.

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

SECRETLINE

COMM-DC-57842

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): G. E. Varnadoe

Date: Dec. 1958

Planetable contouring by (II): Inapplicable

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): 21 Oct. 1958
Air Photo compilation (Refer to
Item 35)

Projection and Grids ruled by (IV): Joan Chaconas (W.O.)

Date: Jan. 1957

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

Date: Jan. 1957

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

Date: Nov. 1957

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

Date: Nov. 1957

Radial Plot or Stereoscopic R. R. Wagner
Control extension by (III): R. J. Pate

Date: Nov. 1957

Planimetry
Stereoscopic Instrument compilation (III): Inapplicable
Contours

Date:

Date:

Manuscript delineated by (III): I. I. Saperstein

Date: Jan. 1959

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

Date: Feb. 1959

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&GS Nine-lens & Single-lens Cameras

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PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
42955	1 Dec. 1953	14:29	1:10,000	0.8 ft
42956	"	14:30	"	"
42959	"	14:37	"	"
42960	"	14:38	"	"
55102	5 Nov. 1956	09:30	"	-0.6
55103	"	09:31	"	"
55104	"	09:32	"	"
58-S-1439A	21 Oct. 1958	11:57	" (ratio)	1.0
58-S-1440A	"	11:58	" "	"

Predicted Tide (III) *

Reference Station: Tampa Bay
Subordinate Station: Punta Gorda, Charlotte Harbor
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
-	1.4	1.6
1.0	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): 13

Shoreline (More than 200 meters to opposite shore) (III): 5

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

Control Leveling - Miles (II): Inapplicable

Number of Triangulation Stations searched for (II): 3

Recovered: 2

Identified: 2

Number of BMs searched for (II): None

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): 3

Number of Temporary Photo Hydro Stations established (III): 82

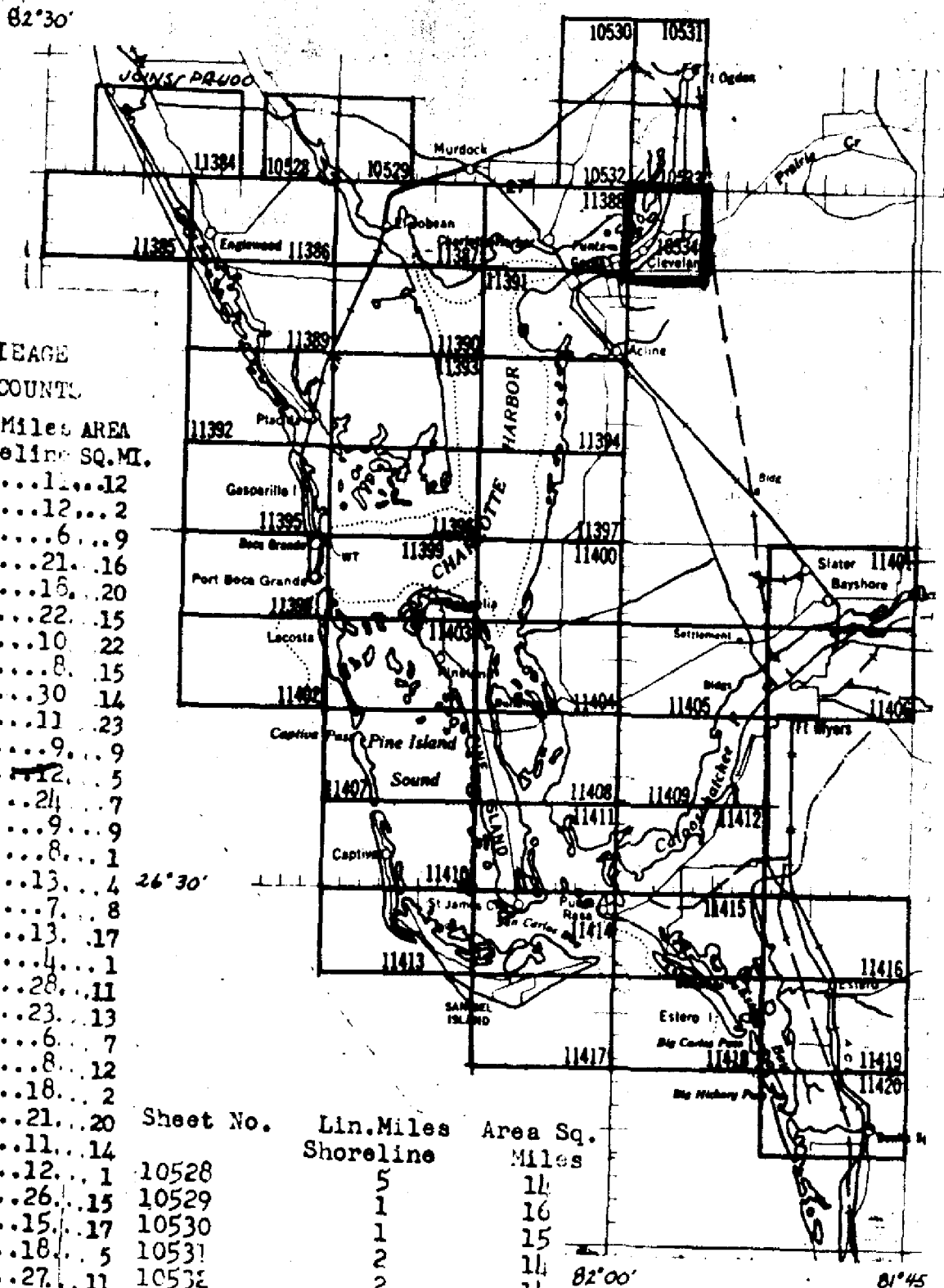
Remarks: * A tide gage is in operation in the vicinity of Highway 17 fixed bridge across Shell Creek, see Supplemental Instructions - Project 1353 on 2 March 1956 to Commanding Officer Ship SCBES. The data from this gage is not available at this time.

OFFICIAL MILEAGE
FOR COST ACCOUNTS

Sheet Nos.	Lin. Miles	AREA SQ. MI.
T-11384.....	12	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
Totals	540	393

Sheet No.	Lin. Miles Shoreline	Area Sq. Miles
10528	5	14
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 1.91



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FIELD INSPECTION REPORT

Ph-146

T-10530 thru T-10534

2. AREAL FIELD INSPECTION

These shoreline sheets embrace the Peace River and tributaries and the adjacent land area.

The land area is comprised of a large wooded area (trees and swamp) along the waters, with grass (pasture) land and small scattered orange groves upland from the woodland area.

Cleveland, a small village, located on the southeast shore of the river is the principal populated area. Several small areas, on the river shores, are being subdivided and developed for homes. These areas were under construction at the time of the field inspection.

The site of Fort Ogden 1841, which is marked by a bronze plaque, is located on the east bank of the river. This is the original site of Fort Ogden and was a fort during the Indian War.

The southeastern part of the area is covered by three sets of photographs; Nine-lens dated Dec. 1953 and Nov. 1956 and single-lens dated October 1958. The area that is covered by the 1953 photography was inspected in Sept. 1956 and revised on the 1956 and 1958 photography in Nov. and Dec. 1958. The remainder of the area was field inspected in Nov. and Dec. 1958 using the 1956 nine-lens and the 1958 single-lens.

It is believed that the field inspection is complete and that sufficient notes and labels used so that the compiler will have no difficulty.

3. HORIZONTAL CONTROL

No supplemental control was established.

Third-order stations of other agencies which were identified for use in the plot are: AF 50 FGS, AF 53 FGS, AF 55 FGS, D 24 FGS, TT 37 USGS, TT 47 USGS, 60 RDS USGS.

All USC&GS stations were recovered.

4. VERTICAL CONTROL

Two Tidal bench marks have been set, but no elevations established, in the vicinity of Liverpool Island. One of these "LIVERPOOL BM 1" was identified as a topographic station. The elevation can be obtained from the Ship SOSBEE when determined.

5. CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage has been labeled, and delineated where necessary, on the photographs.

6. WOODLAND COVER

It is believed that sufficient areas have been classified so that the inaccessible areas can be classified by interpretation.

It will be noted that some shoreline on the Peace River has been classified as MHWL or "fast shoreline" while the trees on the shore are classified as swamp. As noted on the photographs, a narrow ridge has been washed up on the shoreline which supports only a very narrow fringe of "trees", if any.

7. SHORELINE AND ALONGSHORE FEATURES

The mean high-water line and apparent shoreline was inspected wherever the water was navigable by skiff. It was labeled, and delineated where necessary. The area was not inspected at low-water.

Bluffs with their heights have been labeled.

Piers and landings have been labeled.

There are no submarine cables.

Other shoreline structures, such as wharf ruins, have been identified or located and labeled.

8. OFFSHORE FEATURES

None.

9. LANDMARKS AND AIDS

There are no landmarks or aids for nautical or aeronautical charts. One interior landmark, a skeleton steel micro wave tower 252 feet high, which was built subsequent to photography, was located by the photo point method.

10. BOUNDARIES, MONUMENTS AND LINES

Inapplicable.

11. OTHER CONTROL

Seven topographic stations were established or reidentified. They are:

DAN (1943) 1956

TANK PEACE RIVER LODGE (1943) 1956

STEM, 1959 -

LIVERPOOL BM 1, 1959

PALM, 1959

HOLE, 1959

MIKE, 1959

Photo-hydro stations were established to the limits of hydrography.

12. OTHER INTERIOR FEATURES

Roads and buildings were classified in accordance with instructions.

The clearance of bridges and power line crossing are:

SHELL CREEK

FIXED RR BRIDGE (ACL RR)

✓ Horz. clearance 16.5 ft.

T-10534

Vert. clearance 8.5 ft. above MHW

FIXED HWY BRIDGE (US 17)

✓ Horz. clearance 35.0 ft.

T-10534

Vert. clearance 7.0 ft. above MHW

✓ POWER LINE

Vert clearance 32 ft above MHW

T-10534

HUNTER CREEK

✓ POWER LINE

Vert. clearance 61 ft. above MHW

T-10534

PEACE RIVER

FIXED RR BRIDGE (SAL RR)

Horz. clearance 11.0 ft.

T-10531

Vert. clearance 11.5 ft. above MHW

FIXED HWY BRIDGE (S-760)

Horz. clearance 51 ft.

T-10531

Vert. clearance 11 ft.

POWER LINE

✓ Vert. clearance 61 ft. above MHW

T-10534

13. GEOGRAPHIC NAMES

No systematic investigation was made. Discrepancies that were noted in the field and the Tampa Office have been satisfied.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

None.

Respectfully submitted

George E. Varnadoe
George E. Varnadoe
Supervisory Cartographer
(Photogrammetry)
3-23-59

APPROVED & FORWARDED

Arthur L. Wardwell
Arthur L. Wardwell
Chief of Party

PHOTOGRAMMETRIC PLOT REPORT NO. 2

21. AREA COVERED.

Radial Plot number 2 was for the Myakka River with manuscript numbers T-10528 and T-10529, and also the Peace River with manuscript numbers T-10530 thru T-10534.

The sketch on Page 13 shows the arrangement of manuscripts, the identified control, index of control, photograph centers and the adjoining manuscripts of Plot number 1.

22. METHOD.

Radial Plot:

Map manuscripts: -- The projections are 3' 45" in latitude and longitude on mylar, with emulsion grain.

The plot was run on the manuscripts without the use of base grids.

Photographs: -- The plot was run with the nine-lens photographs of 5 November 1956 at the scale of 1:10,000. The photographs used were 55058 thru 55063, 55068 thru 55072, 55102 thru 55111 and 55119 thru 55127.

The center of most of the single-lens photographs of 21 October 1958, camera S were located by holding pass points located by the nine-lens photographs; however in some cases it was necessary to cut in additional points common to both sets of photographs to fix the single-lens photographs. The latter points are shown with a .6 m.m. circle in blue ink on the manuscript.

Templets: -- Vinylite templets were made from all the nine-lens photographs using master templet 53605 (1956-1957) for correction of transforming errors and paper distortion.

Closure and adjustment to control: -- The plot was run in two groups with conventional methods being used. No unusual problems were encountered and all control was held.

The plot was tight and a good junction was made with plot number 1.

23. ADEQUACY OF CONTROL

The control was adequate and all was positively identified. Substitute station for B 24, 1933 could not be held and a pass point was established for the position located by the plot. The station was returned to the field for verification. An error was found in an angle that was used to locate the substitute station which when computed verified the position of the pass point.

24. SUPPLEMENTAL DATA

None.

25. PHOTOGRAPHY

The nine-lens photographs of 5 November 1956 gave adequate coverage. The contrast, definition and scale was good.

The single-lens photographs of 21 October 1958, camera S were flown to provide up-to-date coverage in this area where considerable waterfront development is taking place.

None of the photographs were sufficiently tilted to justify special measures.

26. GENERAL

Date of completion of the photogrammetric plot by maps are as follows:

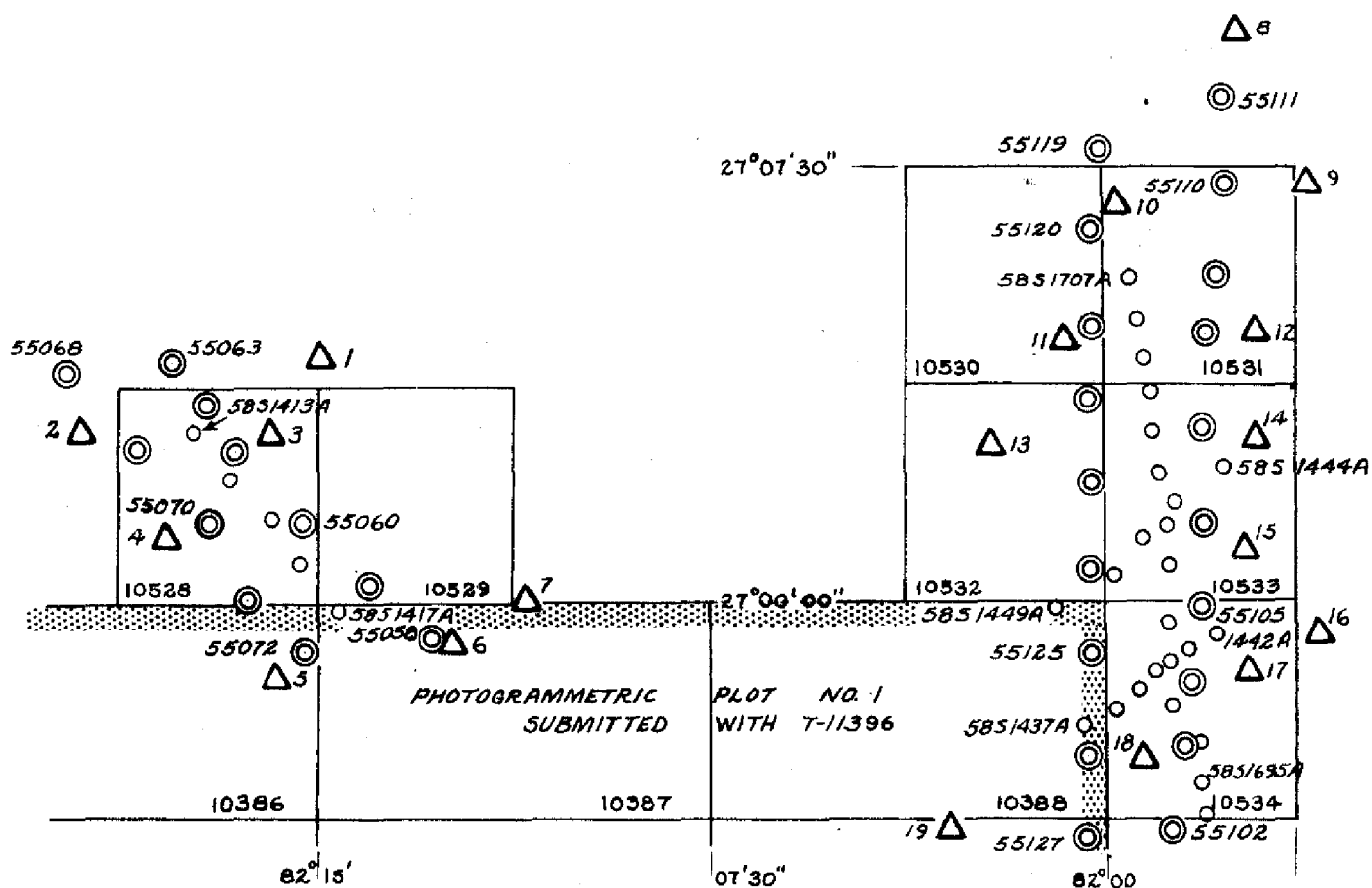
T-10528, T-10529	3 December 1958
T-10530, T-10531	24 November 1958
T-10532	21 November 1958
T-10533, T-10534	20 November 1958

Respectfully submitted,

Robert R. Wagner
Robert R. Wagner
Cartographer (Photo)

APPROVED AND FORWARDED:

Arthur L. Wardwell
Arthur L. Wardwell, Chief of Party



SKETCH FOR REPORT ON
PHOTOGRAMMETRIC PLOT NO. 2 PH 146

△ HORIZONTAL CONTROL STATION ⊙ NINE LENS PHOTOGRAPH ○ SINGLE LENS PHOTOGRAPH

LIST OF CONTROL

Following stations identified by Sub. Pt. method:

- | | |
|------------------------|-------------------------|
| 1. TT 51 WKM USGS 1952 | 10. TT 37 WKM USGS 1952 |
| 2. TT 72 ERS USGS 1952 | 11. TT 46 WKM USGS 1952 |
| 3. HAVOLINE 1934 | 12. FORT OTYEN 1953 |
| 4. TT 73 ERS USGS 1952 | 13. TT 47 WKM USGS 1952 |
| 5. TT 75 ERS USGS 1952 | 14. D 24 1934 |
| 6. TT 14 JA USGS 1952 | 15. AF 53 (ERS) 1934 |
| 7. MURDOCK 1934 | 16. TT 60 ERS USGS 1952 |
| 8. HORSE 1937 | 17. AF 53 (ERS) 1934 |
| 9. B 24 1933 | 18. AF 50 (ERS) 1934 |

Station identified direct:

19. PUNTA GORDA MUNI WATER TANK 1934

SCALE FACTOR

1 FT = 3048006 METER
COMPUTED BY: *RPRW*
DATE: *10 Nov 58*
CHECKED BY: *RPRW*
DATE: *10 Nov 58*
COMM - DC - 57843

SCALE FACTOR —.....

1 FT. = 3048006 METER COMPUTED BY: <i>RRW</i>	CHECKED BY: <i>RRW</i>	DATE: <i>3 Dec 1958</i>	COMM-DC-57843
--	------------------------	-------------------------	---------------

SCALE FACTOR

url = 1524.003 ÷ 500,000
N.A. 1927. DATUM

COMPUTED BY: <i>BRUN</i>	CHECKED BY: <i>BRUN</i>	DATE: <i>10 Nov 58</i>	COMM. DC-57843
DATE: <i>10 Nov 58</i>			

SCALE FACTOR

1' FT = 3048006 METER

PETER

DATE.

12 July 58

CHECKED BY: A

RLP

DATE _____

COMM-DC-57843

SCALE FACTOR

1 FT. = 3048006 METER	DATE	10 Nov 58	DATE	10 Nov 58
COMPUTED BY: <i>RPW</i>	CHECKED BY: <i>RPW</i>			

COMM-DC-57043

SCALE FACTOR

1 FT. = 3048006 METER COMPUTED BY: <i>RRW</i> DATE: <i>10 Nov 58</i>	CHECKED BY: <i>RRP</i> DATE: <i>10 Nov 58</i>	COMM-DC-57843
--	--	---------------

SCALE FACTOR

1 FT. = 3048006 METER
COMPUTED BY: *PRW*
DATE: *10 Nov 58*
CHECKED BY: *PRW*
DATE: *10 Nov 58*
COMM-DC-57843

COMPILATION REPORT T-1053431. DELINEATION:

The graphic method of compilation was used. The field inspection was adequate and no difficulty was encountered in the interpretation of the photographs. Three sets of photographs covered the area of the sheet. Two sets of nine-lens photographs are dated Dec. 1953 and Nov. 1956. Single-lens photographs were flown Oct. 1958 and were used to bring the compilation up-to-date.

32. CONTROL:

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE

Contours inapplicable.

Drainage has been delineated according to field inspection notes and photographic interpretation.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection is adequate and was brought up-to-date with the 1958 photographs. All alongshore details have been shown according to field inspection.

The low-water and shallow areas have been shown as an aid to the hydrographer and were taken from Department of Agriculture low-water photographs DMV-2H-101, 102, 104 of 11 Jan. 1952 without field inspection. All low-water shown is approximate.

36. OFFSHORE DETAILS:

None.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS:

Three recoverable topographic stations, two of which have Form 524, and 82 photo-hydro stations were established and are listed under Item 49 along with descriptions of the photo-hydro stations.

39. JUNCTIONS:

Junctions have been made with T-10533 to the north, T-11388 to the west and U.S.G.S. Quadrangle CLEVELAND to the east and south.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

Comparison has been made with U.S.G.S. Quadrangle CLEVELAND 1:24,000 edition of 1956. Except for man made changes at Harbour Heights the quadrangle and the compilation are in agreement.

Comparison has been made with planimetric map T-5877, 1:10,000 scale dated 1943. Man made changes have taken place at Shell Point and the site of the town of Harbour Heights.

47. COMPARISON WITH NAUTICAL CHARTS:

Comparison has been made with Chart 1255, 1:80,000 revised to 20 Feb. 1956. The very small part of the chart that falls within the compilation is in agreement.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD:

None.

I. I. Saperstein
I. I. Saperstein
Cartographer (Photo)

Approved and Forwarded:

Arthur L. Wardwell
Arthur L. Wardwell
Chief of Party

48. GEOGRAPHIC NAME LIST:

ATLANTIC COAST LINE

CLEVELAND

FLORIDA

HARBOUR HEIGHTS
HUNTER CREEK

LONG ISLAND

PEACE RIVER

SANS SOUCI
SHELL CREEK
SHELL POINT
STATE 74

U. S. 17

WHIDDEN BAY

A. J. Wright
Geog. Names Sec.

49. NOTES FOR THE HYDROGRAPHER:

The following are recoverable topographic stations:

DAN (1943) 1956
TANK, PEACE RIVER LODGE (1943) 1956
CENTER POLE OF THREE, 1958

The photo-hydro stations with descriptions for each follow on the next page:

T-10534
Photo-hydro Stations - T-11388E *

Note "A" - A short 1"x2" stake with top portion painted white with "U.S.GOV'T" painted in black.

Also there is a 1"x1" taller stake nearby with a small white flag attached.

Note "B" - On or nearby is tied a 2 foot white cloth streamer.

8801-E The northeast edge of an isolated mangrove bush that is located on the northeast end of long island. Note A & B Photo 42961.

*Destroyed **
8802-E The center of a small mangrove bush that is about one meter beyond the shoreline. There is a row of mangrove north of this bush that runs north and south. Note A & B Photo 42961.

*Destroyed **
8803-E The center of a clump of marsh grass that lies about 4 meters beyond the shoreline. The clump of marsh is approximately 900 ft. southwest of a large house. Note A & B Photo 42961.

8804-E The center of a small isolated mangrove bush that is located at the southwest tip of a long marsh point that is on the east side of the mouth of Whidden Bay. Note A & B Photo 42961.

8805-E A clump of marsh grass at the east edge of a mud flat in Whidden Bay. This clump of marsh grass is approximately 12 meters east of the marsh shoreline. Note A Photo 42961.

*Destroyed **
8806-E The south end of a row of mangrove; located on the west side of Whidden Bay. Just south of this point the shoreline has a small sharp indentation to the northwest. Note A & B Photo 42961.

8807-E A low overhanging mangrove limb, located on the east shore of Whidden Bay, near the center of a large blunt point of mangrove. Note A & B Photo 42961.

8808-E The southwest end of a mangrove bush located approximately 150 feet south of the mouth of a small stream on the east side of Whidden Bay. Note A&B Photo 42960.

*ONT-10533 **
8809-E The center of a clump of grass in water, located at the north end of Whidden Bay. This clump of grass is just southeast of the mouth of the largest stream that flows into Whidden Bay. Note A & B Photo 42960.

*Destroyed **
8810-E The sawed end of a large pine log that is located at the extreme southwest end of a narrow mangrove island. Note A & B Photo 42960.

8811-E The center of the top of a small cabbage palm tree that stands approximately 4 meters from the shoreline. Note A & B Photo 42960.

8812-E The south end of sharp point of marsh grass and trash located on the north side of the mouth of a small stream. Note A & B Photo 42960.

8813-E The extreme south end of a point of marsh and ferns that are located on the northeast side of the mouth of a small stream. Note A & B Photo 42960.

8814-E A point of ferns and marsh just northeast of the mouth of a small stream. Note A & B Photo 42960,

8815-E A point of tall grass approximately 30 feet east of a small stream. There is some grass in water just south of the station. Note A & B Photo 42960.

8816-E The south end of a clump of tall ferns that is located just north of a string of small mangrove islands. Note A & B Photo 42960.

8817-E The center of the top of a cabbage palm tree that stands on a point of land between Peace River and Hunter Creek. This palm has a palm tree snag approximately 15 feet east of it. Note A & B Photo 42960.

8818-E The center of an isolated mangrove bush, that sits approximately 40 feet south of the south tip of a marsh island where Peace River and Hunter Creek flow together. Note A & B Photo 42960.

8819-E The center of a mangrove bush that stands approximately 40 feet southeast of the shoreline in Hunter Creek. This bush is approximately 300 feet southwest of the southwest end of a mangrove island. Note A & B Photo 42960.

8820-E A point of marsh where two small streams flow together. This point is approximately 100 ft. northwest up-stream from the mouth of the stream where it flows into Hunter Creek. Note A & B Photo 42960.

8821-E The trunk of a large pine tree that does not have much foliage, Tree is located approximately 150 ft. inland from some small net racks, approximately 50 ft. south of a dirt road. Note B Photo 42960.

8822-E The trunk of a large pine tree that has an American Eagles nest in its top. Located on the southeast side of Hunter Creek, approximately 200 ft. inland from the shoreline. Note B Photo 42960.

8823-E The trunk of a small pine tree, located on southeast shore of Hunter Creek approximately 40 ft. inland from the shoreline, and approximately 30 ft. northeast of a burnt pine snag. Note A & B Photo 42960.

8824-E The center of the top of a cabbage palm tree that stands about 10 ft. from the mangrove shoreline. There are two palms that are growing close together about 40 ft. west of the station. Also there are two taller palms growing close together about 160 ft. south of the station. Note A & B Photo 42960.

8825-E The center of the top of a tall leaning cabbage palm tree. Palm is by far the tallest tree on the island. Note B Photo 42960.

ON
T-10533

*

Destroyed
*

8826-E The center of a mangrove bush that stands on the eastern edge of a mud flat. There is some grass in water just south of the station. Note A & B Photo 42960.

ONT-10533

*

8827-E The end of a mangrove tree that lies in the water, near the north end of an island. Note A Photo 42960.

8828-E A blazed cabbage palm tree that joins a bent palm at the ground. The blazed palm is the taller of the two and is standing 1 meter southeast of the shoreline. Note A & B Photo 42960.

8829-E The center of the top of a leaning cabbage palm tree. This palm is the tallest one within 500 ft. of this area. Note A Photo 42961.

8830-E The shore end of a narrow low row of mangrove. The end mangrove bush grows around the old dead snags of a large mangrove. Note A & B Photo 42961.

8831-E The center of a small isolated mangrove bush that sits on a mud flat. Bush is approximately 3 ft. high and there is a very small clump of grass in water 40 ft. north of bush. Note A & B Photo 42961.

8832-E The center of the most northeasterly mangrove bush on the northeast end of the island. This bush extends out approximately 3 meters beyond the shoreline. Note A & B Photo 42961.

8833-E The center of an isolated mangrove bush that stands approximately 2 meters beyond the marsh shoreline. Note A & B Photo 42961.

8834-E The center of a mangrove bush that sits approximately 3 meters beyond the shoreline. Note A & B. Photo 42961.

8835-E The center of an isolated mangrove bush that stands about 4 meters south of the mangrove shoreline. Note A & B Photo 42961.

8836-E The western edge of a mangrove bush that is approximately 6 ft. in height. Note A & B Photo 42961.

8837-E The south edge of the most southerly mangrove bush on the extreme south end of the point. Note A & B Photo 42961.

8838-E ^{W.} The edge of a mangrove bush that sits about 2 meters west of the mangrove shoreline and just north of some grass in water. Note A & B Photo 42961.

8839-E The center of the top of a blazed cabbage palm tree. This is the only palm within several hundred feet. Note A & B Photo 42961.

8840-E The extreme southwest tip of a sharp point of marsh. Note A & B Photo 42961.

8841-E The extreme east end of a sharp point of low mangrove and marsh at the mouth of a small stream. Point is on west side of streams mouth. Note A & B Photo 42961.

8842-E The center of the top of a blazed cabbage palm tree. This palm is the most southerly of two palms that grow near the northern end of the island. Note A Photo 42961.

8843-E The east side of an overhanging mangrove bush is on a point that is on the north side of the mouth of a very small stream. Note A & B Photo 42961.

8844-E The tip end of point of marsh and small mangrove that is on the east side of the mouth of a small stream. Note A Photo 42961.

8845-E The center of the top of a blazed cabbage palm tree. The trunk of this tree is crooked and this palm is the only one within 500 ft. Note A Photo 42961.

8846-E The southeast end of some grass in water. This end or point is approximately 6 meters southeast of the point of mangrove. Note A & B Photo 42961.

8847-E The extreme end of a point of marsh that lies on the west side of the mouth of a short, but wide stream. There is a round clump of grass in water approximately 100 ft. southeast of this point. Note A & B Photo 42961.

8848-E The most southwesterly tip of a point of marsh. Note A & B Photo 42961.

8849-E The most easterly sharp point of marsh on the island. This is not the most northerly point. Note A & B

8850-E The southeast tip of a small row of mangrove that is located on a small mangrove island. Note A & B Photo 42960.

8851-E The center of a small mangrove bush that sits at the north end of a small point of marsh. Note A & B Photo 42960.

8852-E The southwest corner of the mangrove on the small mangrove island. Note A & B Photo 42960.

8853-E The center of a mangrove bush that is approximately 3 meters in diameter. This bush is approximately 8 ft. tall and sits approximately 75 ft. south of the shoreline, and is surrounded by marsh. Note A & B Photo 42960.

8854-E The northeast corner of a long narrow island of mangrove. The point is on the west side of the mouth of the stream. Note A & B Photo 42960.

8855-E The center of the east end of a narrow fringe of mangrove that grows at the marsh line on the north side of Shall Creek. The point is approximately 50 ft. west of the mouth of a small stream. Note A & B Photo 42960.

8856-E A point of low mangrove and marsh on the west side of a small indentation in the marsh shoreline. The indentation is about 1 meter wide at its mouth and 2 meters long. Note A & B Photo 42960.

8857-E The center of the top of a cabbage palm tree that stands approximately 300 ft. northeast of the northeast shore of Shell Creek. This palm is on southwest side of a stream that is blocked by the R.R. bridge. This is a lone palm and is approximately 300 ft. from any other one. Note A & B Photo 42960.

8858-E Telegraph pole # E-62 that is located on the extreme south end of a small mangrove island, approximately 40 ft. northwest of the R.R. bridge and about in the center of Shell Creek. Note A Photo 42960.

8859-E The center of the top of a cabbage palm tree that is approximately 35 ft. from the shoreline. This palm is the nearest one to the shore. Note A & B Photo 42960.

8860-E The corner of a concrete slab bulkhead. This corner which is not quite square is at the southeast corner of a boat slip that leads to an aluminum covered boat house. There is a wooden platform just south of this point that is approximately 10 x 30 ft. in size. This point is not marked.

8861-E The center of the top of a cabbage palm tree that stands approximately 30 ft. south of the south shoreline. There is no other palm within several hundred feet. Photo 42960.

8862-E The north northwest gable of a small rectangular shaped white house that sits approximately 30 ft. south of the shoreline. This house is approximately 25 ft. north northeast of a green house that has six windows in its front. The gable of the small house has a small brown ball on it.
This station is not marked.

8863-E The peak of a green roofed white building that has some Australian pines at its east side. The roof of this building is pyramid shaped and the highest part was located. Not marked. Photo 42960.

8864-E The center of a small dead bush that stands approximately 2 meters northwest of the shoreline. Bush is surrounded by tall grass but the area is not marsh. Note A & B Photo 42960.

8865-E The center of the top of a cabbage palm tree that stands at the waters edge. There are no other palms within several hundred feet. Note A Photo 42960.

8866-E A sharp point of marsh and ferns on the west side of a small stream. This is the only stream within several hundred feet. Note A & B Photo 42960.

8867-E The center of the top of a cabbage palm tree that stands on the west side of the mouth of a stream at the M.H.W.L. There is a shorter more bushy palm approximately 2 meters north of the one located. Note A Photo 42960.

8868-E The center of an isolated clump of saw grass that grows at the mouth of a small stream. Note A & B Photo 42960.

8869-E The center of the top of a cabbage palm tree that is almost horizontal over the water. Palm extends approximately 4 meters beyond the shoreline. Note A Photo 42960.

8870-E A sharp corner of marsh at the south corner of a small bay. Note A & B Photo 42960.

8871-E A point of marsh and mangrove formed by a small stream flowing into the larger one. Point is the corner on the east side of the mouth of the small stream. Note A & B Photo 42960.

8872-E The sharp end of a point of marsh and mud. Note A & B Photo 42960.

8873-E The offshore end of a boat shed, the top of which is covered with green tar paper. This shed is the only one near whose top slopes downward towards the water. Also this shed is the next one northeast of a tin covered one. Station is not marked.

8874-E The offshore end of a wooden pier. This is the only pier nearby. Station is not marked. Photo 42960.

8875-E The northeast corner of a point of marsh and mangrove. There is a small stream approximately 3 meters south of the station that flows from the west. Note A & B Photo 42960.

8876-E The northeast end of a row of mangrove that is approximately 100 ft. northwest of the point where the shoreline begins to curve to the southwest. Note A & B Photo 42961.

8877-E The center of a mangrove bush that is approximately 3 meters in diameter and approximately 4 meters in height. This bush is approximately 40 ft. south of the mangrove shoreline and approximately 150 ft. east of some grass in water. Note A & B Photo 42961.

8878-E The northwest or offshore end of a short wooden pier. There is a shack that sits at the shore end of the pier. There is a longer pier under construction along the southwest side of this pier. Station is not marked. Photo 42961.

8879-E The center of a mangrove bush that grows approximately 15 feet west of a very large mangrove tree. Note A & B Photo 42961.

8880-E The center of the south end of a point of grass in water that is approximately 30 ft. south of the mangrove shoreline. Note A & B Photo 42961.

8881-E The west edge of an overhanging mangrove bush. This bush overhangs more than any other in the area. Note A & B Photo 42961.

8882-B - The center of a tall but not so large Australian pine. There is a small cabbage palm growing by the side of this pine and there are no other Australian pines nearby. Note A & B. Photo 42961.

8883-B - The northwest gable of a tin covered building that has a red roof. There is a sign on that end of the building that reads: Palms and Pines Apts, Boats, Trailer. Station not marked. Photo 42961.

8884-B - The east edge of a blunt mangrove bush located approximately 150 feet south of the mouth of a small stream. The bush used was the third prominent one south of stream. Note A & B. Photo 42961.

8885-B - The west edge of a mangrove bush located approximately 100 feet north of the north edge of a small inlet in the island. Note A & B. Photo 42961.

8886-B - The center of a mangrove bush that is isolated from the mangrove shoreline. Bush is approximately 1 meter in diameter and has been trimmed. Note A & B. Photo 42961.

8887-B - The center of the top of a blazed cabbage palm tree that grows approximately 2 meters west of the M.H.W.L. Note A. Photo 42961.

8888-B - The offshore end of a low overhanging mangrove bush. This bush grows at the east end of a point of marsh. Note A & B. Photo 42961.

8889-B - The east edge of a mangrove bush that is approximately 3 meters in diameter. This bush has a narrow fringe of marsh and ferns on its west side that separates it from the other mangrove. Note A & B. Photo 42961.

8890-B - The northeast corner of the offshore end of a wooden pier. This pier is in front of a two-story white house that is partly surrounded by Australian pines. Station is not marked. Photo 42961.

8891-B - The northeast corner of the offshore end of a pier. Pier leads out from near a two-story house with a red roof. The shoreline in front of this house is bound by a concrete seawall. Station is not marked.

88EA - The southeast corner of small concrete block boat shed that is opposite a light green house with brown trim. Photo 58-S-1439A.

88EB - The northeast corner of the northwest of three identical piers. Photo 58-S-1439A.

88EC - The southeast corner of (green) area surrounding swimming pool adjoining yellow house. Photo 58-S-1440A.

34-02 - North of two power poles west bank of river. Photo 1699.

- 34-03 North of two power poles east bank of stream east of river. Photo 1699
- 34-05 Center of lone mangrove bush at edge of marsh about 100 feet southwest of end of narrow mangrove island. Cut limbs - cloth strip. Photo 1698.
- 34-06 South of twin power poles in waters edge at north end of Whidden Bay. Photo 1699.
- 34-07 The eastern of twin trans. poles on north side of SHBL CREEK. Photo 1698

* T-10534 was added to this project; see Instructions (Field and Office) - Project 27310 Supplement 1, dated 17 Dec. 1956, and incorporates most of the area originally designated T-11388 north and east. Photo-hydro stations 8801E through 8891E were marked in 1956 and those noted herein have been destroyed; others fall on T-10533 and are so noted.

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 10534

1. Projection and grids W.H.S. 2. Title W.H.S. 3. Manuscript numbers W.H.S. 4. Manuscript size W.H.S.

1a CLASSIFICATION:
unclassified

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads W.H.S. 28. Buildings W.H.S. 29. Railroads W.H.S. 30. Other cultural features W.H.S.

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

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

40. W. H. Shearouse
Reviewer

M. M. Slavney
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:

TIDE COMPUTATION

PROJECT NO. Ph. 146 T. 10534

Time and date of exposure 0931 5 Nov 1956

Reference station Tampa Bay

Mean range 1.4

Date of field inspection

Subordinate station Punta Gorda Charlotte Harbor

Ratio of ranges 1.0

	Time	
	h.	m.
High tide	2	13
Low tide	10	07
Duration of rise or fall	7	54

	Height	Height x Ratio of ranges
	feet	
High tide	2.0	2.0
Low tide	- 0.6	- 0.6
Range of tide	2.6	

	Time	
	h.	m.
High tide at Ref. Sta.	1	53
Time difference	4	20
Corrected time at Subordinate station	2	13

	Time	
	h.	m.
Low tide at Ref. Sta.	9	47
Time difference	4	20
Corrected time at Subordinate station	10	07

	h.	m.		feet		feet	Photo. No.
Time H. T. L. T. Required time	10	07	Ht. H. T. L. T. Tabular correction	-0.6	Feature bares		
Interval	09	31	Stage of tide above MLW	0.0	Stage of tide above MLW		55-103
Time H. T. or L. T. Required time			Ht. H. T. or L. T. Tabular correction	-0.6	Feature bares		
Interval			Stage of tide above MLW		Stage of tide above MLW		
Time H. T. or L. T. Required time			Ht. H. T. or L. T. Tabular correction		Feature bares		
Interval			Stage of tide above MLW		Stage of tide above MLW		
Time H. T. or L. T. Required time			Ht. H. T. or L. T. Tabular correction		Feature bares		
Interval			Stage of tide above MLW		Stage of tide above MLW		
Time H. T. or L. T. Required time			Ht. H. T. or L. T. Tabular correction		Feature bares		
Interval			Stage of tide above MLW		Stage of tide above MLW		
Time H. T. or L. T. Required time			Ht. H. T. or L. T. Tabular correction		Feature bares		
Interval			Stage of tide above MLW		Stage of tide above MLW		

Computed by 113

Checked by E. Davis

TIDE COMPUTATION

PROJECT NO. Ph: 146 T. 10534

Time and date of exposure 1429 Dec 1953

Reference station

Tampa Bay

Mean range

1.4

Date of field inspection

Subordinate station Punta Gorda, Charlotte Harbor

Ratio of ranges 0.9

	Time	
	h.	m.
High tide	12	01
Low tide	16	08
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	+	20
Corrected time at Subordinate station	12	01

	Time	
	h.	m.
Low tide at Ref. Sta.	15	48
Time difference	+	20
Corrected time at Subordinate station	16	08

	h.	m.	Ht. H. or L. T.	feet	Feature bar	feet	Photo. No.
Time H. or L. T. Required time Interval	16	08	Ht. H. or L. T. Tabular correction Stage of tide above MLW	0.7	Feature bar Stage of tide above MLW		42955
Time H. T. or L. T. Required time Interval	14	29	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	0.1	Feature bar Stage of tide above MLW		
Time H. T. or L. T. Required time Interval	13	9	Ht. H. T. or L. T. Tabular correction Stage of tide above MLW	0.8	Feature bar Stage of tide 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 bar Stage of tide 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 bar Stage of tide 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 bar Stage of tide 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 bar Stage of tide above MLW		

Computed by 115 Checked by HP 1902

TIDE COMPUTATION

PROJECT NO. Ph. 146 T. 10534

Time and date of exposure 1157 21 Oct 1958

Reference station

Tampa Bay

Mean range

1.4

Date of field inspection

Dec 1958

Subordinate station

Punta Gorda, Charlotte Harbor

Ratio of ranges

1.0

	Time	
	h.	m.
High tide	9	27
Low tide	16	16
Duration of rise or fall	6	49

	Height	Height x Ratio of ranges
	feet	
High tide	1.4	✓
Low tide	0.1	✓
Range of tide		1.3 ✓

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

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

	h.	m.	Ht. H. T. or L. T. Tabular correction	feet	Feature bares Stage of tide above MLW	feet	Photo. No.
Time H. T. or L. T. Required time Interval	9	27	11 57 ✓ 2 30 ✓	1.4 0.4 1.0	Feature bares Stage of tide above MLW Feature above MLW		58-5-14394
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		
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		

Review Report

Shoreline Maps

T-10528 thru T-10534

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-5877	1:10,000	1944
T-5878	1:10,000	1944
T-5880	1:10,000	1944
T-5881	1:10,000	1944
T-8409	1:20,000	1944

There are cultural and shoreline changes due to the difference in time interval. T-10528 thru T-10534 are to supersede the above listed surveys of common areas for nautical charting.

63. Comparison with Maps of Other Agencies

Murdock	1:24,000	1956
Murdock S.E.	1:24,000	1956
Myakka	1:24,000	1944
Fort Ogden	1:24,000	1956
Cleveland	1:24,000	1956

There are small cultural and shoreline differences but in general the agreement is good.

64. Comparison with Contemporary Hydrographic Surveys

H-8469	1:10,000	1959
H-8471	1:10,000	1959
H-8472	1:10,000	1959

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

65. Comparison with Nautical Charts

1255

1:80,000

1956

There is no chart coverage of the above manuscripts except for a portion of T-10534. See item 47 for this comparison.

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:

J. E. Enbaugh 4/5/65 Chief, Photogrammetry Division Chief, Nautical Chart Division

Charles Hansen
Chief, Photogrammetric Branch

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

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]