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<td>Ph-146</td>
</tr>
<tr>
<td>Office No.</td>
<td>T-11391</td>
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**LOCALITY**

State: Florida  
General locality: Charlotte Harbor  
Locality: Alligator Creek to Peace River  

1953-59  
CHIEF OF PARTY:  
A.L. Wardwell, Tampa Photo, Office

**LIBRARY & ARCHIVES**

DATE: February 1965
DESCRIPTIVE REPORT – DATA RECORD

T - 11391

Project No. (II): Ph-116  Quadrangle Name (IV):


Photogrammetric Office (III): Tampa, Fla.  Officer-in-Charge: A. L. Wardwell

Instructions dated (III): 2 July 1954
Amendment 1  9 Nov. 1954
Supplement 1  17 Nov. 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):

Geographic Datum (III): N.A. 1927  Publication date (IV):

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

Reference Station (III): PUNTA GORDA 2, 1983

Lat.: 26°53'32.350" (995.6 m)  Long.: 82°05'32.568 (898.8 m)

Adjusted

Plane Coordinates (IV):

Y=  X=

Unadjusted

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.
Areas contoured by various personnel
(Show name within area)
(I) (II) (III)
Field Inspection by (II):  E. T. Jenkins  
                        G. E. Varnadore  
                        Date: December 1956  
                        January 1959  

Planetary contouring by (II):  Inapplicable  

Completion Surveys by (II):  Inapplicable  

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

Projection and Grids ruled by (IV):  Austin Riley (W.O.)  
                        Date: Sept. 1954  

Projection and Grids checked by (IV):  Austin Riley (W.O.)  
                        Date: Sept. 1954  

Control plotted by (III):  I. I. Saperstein  
                        Date: 2 Feb. 1956  

Control checked by (III):  R. J. Pate  
                        Date: 3 Feb. 1956  

Radial Plot and Stereoscopic  
                        Contour Extension by (III):  M. M. Slavney  
                        Date: 6 Mar. 1956.  

Stereoscopic Instrument compilation (III):  Inapplicable  
                        Contours  

Manuscript delineated by (III):  W. H. Shearouse  
                        R. Dossett  
                        Date: October 1958  

Photogrammetric Office Review by (III):  Jesse A. Giles  
                        W. H. Shearouse  
                        Date: March 1959  

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

...
# Descriptive Report - Data Record

Camera (kind or source) (III): C&GS Nine lens and Wild "S"n

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Reference Station: TAMPA BAY
Subordinate Station: PUNTA GORDA

<p>| Ratio of | Mean | Spring |</p>
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<tr>
<th>Ranges</th>
<th>Ranges</th>
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<td>0.9</td>
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Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 15
Shoreline (More than 200 meters to opposite shore) (III): 8
Shoreline (Less than 200 meters to opposite shore) (III): Inapplicable
Control Leveling - Miles (II): Inapplicable
Number of Triangulation Stations searched for (II): 23
Number of BMs searched for (II): 0
Number of Recoverable Photo Stations established (III): 0
Number of Temporary Photo Hydro Stations established (III): 35

Remarks:
THE FIELD INSPECTION REPORT
is SUBMITTED WITH T-11394.
COMPILATION REPORT
T-11391

PHOTOGRAHMERIC PLOT REPORT

Submitted with T-11396

31. DELINEATION

The graphic method was used. The scale of the photographs was good. No difficulty was experienced in photographic interpretation.

Field inspection was satisfactory.

32. CONTROL

Reference Photogrammetric Plot Report

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

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

35. SHORELINE AND ALONGSHORE DETAILS

Practically all shoreline is apparent except for stone bulkheads along Punta Gorda waterfront. The field inspection was adequate for shoreline features. Low-water and shallow lines were delineated according to field inspection notes.

36. OFFSHORE DETAILS

Offshore details such as piles, dolphins, shoals, etc. were compiled in accordance with field inspection notes.
37. LANDMARKS AND AIDS

Form 567 for Landmarks was submitted to Washington under date of 3 August 1956. One new landmark was established in 1959. Form 567 is included with this report. Form 567 covering the non-floating aids to navigation was submitted on August 1956.

38. CONTROL FOR FUTURE SURVEYS

There are no recoverable topographic stations.

Thirty-five (35) photo-hydro stations were established. Descriptions of these photo-hydro stations are included in paragraph 49.

39. JUNCTIONS

Junction is made with survey T-11388 on the north
T-11390 on the west
T-11394 to the south

This survey lies within U.S. Geological Survey quadrangle PUNTA GORDA. Details along the eastern limits of delineation are in good agreement with the G.S. quadrangle.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with C&GS Planimetric Map T-5876 scale 1:10,000, dated 1949 with U.S. Geological Survey quadrangle PUNTA GORDA, FLA., scale 1:24,000 compiled from 1951 aerial photographs and published in 1956. Significant changes are man-made land developments and this new manuscript should supersede the older ones.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with C&GS Nautical Chart No. 1255, scale 1:80,000, 5th edition dated March 1929 and revised to 20 Feb. 1956. The land details and topography apparently were taken from Map T-5876. Therefore the same differences exist as mentioned under paragraph 46.
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

William H. Shearouse
William H. Shearouse
Cartographer (Photo)

Approved and Forwarded:

Arthur L. Wardwell
Chief of Party
48. GEOGRAPHIC NAME LIST

ALLIGATOR CREEK
ALLIGATOR CREEK (NORTH FORK)
AQUI ESTA
ATLANTIC COAST LINE

CHARLOTTE HARBOR

FLORIDA

MANGROVE POINT

PEACE RIVER
PUNTA GORDA
PUNTA GORDA (CITY)

A. I. Wright
Geog. Names Sec.
I recommend that the following objects which have (MARKED) been inspected from seaward to determine their value as landmarks be charted on (MARKED) the charts indicated.

The positions given have been checked after listing by B. Dossett

Arthur L. Hardwicke
Chief of Party

<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>SIGNAL NAME</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>DATUM</th>
<th>METHOD OF LOCATION AND SURVEY</th>
<th>DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
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<td>skeleton steel, ht=152 (157)</td>
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<td>26 56</td>
<td>62 45</td>
<td>02 57.92 N.A.</td>
<td>Plot</td>
<td>Dec.</td>
<td>1255</td>
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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. 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.
49. NOTES FOR THE HYDROGRAPHER

The following is a list of nineteen (19) photo-hydro stations with pertinent data. Note "A" means a short 1" x 2" stake with top portion painted white with U.S. Gov't painted in black and there is a 1" x 1" taller stake nearby with a small white flag attached. Note "B" means on or nearby and higher is tied a 2-foot white cloth streamer:

9110 - The extreme west end of a small mangrove point that is located on the north side of the mouth of a small stream. Note A & B Photo 42951.

9111 - A flagged 2x2 driven 3 feet into the mud and sand about 20 feet west of the mangrove shoreline. Station is on line between a cross blazed palm tree and Mangrove Point Light, 1956. Distance from palm to station is 73 feet. Note A, Photo 42951.

9112 - A flagged 2x4 that is about 1 meter west of the mangrove shoreline near the center of a point of mangrove. Note A & B.

9113 - A flagged 2x2 driven into the mud and sand at the west tip of a point of mangrove that is about 1400 feet south of the southwest edge of the Punta Gorda Municipal Beach. Note A & B.

9114 - A lone mangrove tree with little foliage that grows on the north side of the mouth of a new cut channel for small boats. The south of this channel is at the southwest corner of the Punta Gorda Municipal Beach. Note A & B.

9115 - A flagged 2x2 driven into the mud and sand at the west edge of the mangrove. The station is near the center of a point of mangrove that is about 1100 feet north of the southwest corner of the Punta Gorda Municipal Beach. Note A & B.

9116 - The north, northwest end of a dead mangrove tree trunk that lies at the north northwest end of a small oyster bar. Station is marked with flagged 2x2 driven into the sand. Note A, Photo 42951.

9117 - A flagged 2x2 driven into the sand and mud at a point of mangrove that is at the northwest corner of a larger point of mangrove. Note A & B. Photo 42951.

9118 - A flagged 2x2 driven into the mud and sand at a corner of mangrove that is at the southwest corner of a larger point of mangrove. Note A & B. Photo 42951.
9119 - An 8-foot flagged pole driven into the mud and sand about one meter beyond the mangrove shoreline. Station is 196 feet west of Triangulation Station COOPER, 1909. Note A & B. Photo 42952.

9120 - A flagged 8-foot pole driven into the mud and sand just beyond the mangrove shoreline about 1200 feet east of Triangulation Station COOPER, 1909. Note A & B.

9121 - A flagged 7-foot pole driven into the water about 40 feet north of the mangrove shoreline and about 2400 feet east of Triangulation Station COOPER, 1909. The station is 40 feet north of the stern of a small wrecked boat. Note A & B.

9122 - A flagged 7-foot pole driven into the mud and sand, approximately 60 feet north of the mangrove shoreline, about 12 feet northwest of a small clump of grass in water, near the end of an old railroad fill. Note A.

9123 - A 7-foot flagged pole driven into the mud and sand on the west side of the mouth of a new cut ditch. There is a bridge across this ditch about 100 feet inshore from the station. Note A. Photo 42952.

9124 - The center of a small mangrove bush that grows at the M.H.W.L. The bush is about 15 feet west of the shore end of a fence that leads out into the water. Note A & B. Photo 42952.

9125 - The northwest gable of a large tin covered building that sits on the northwest corner of a large wharf that is used partly by the Gulf Oil Co. Station is not marked in any way. Photo 42952.

9126 - The offshore end of a small pier that leads offshore from near the mouth of a large ditch. There is a green crab bait box on the offshore end of the pier. Station is not marked. Photo 42952.

9127 - The center of a concrete block that was once part of the foundation of a wharf. The block is in the second line of blocks from the southwest side and it is the third block inshore. Note A. Photo 42952.

9128 - The northwest corner of a wooden pier that leads out from a stone bulkhead. This pier is just east of a filled area that is used as a boat-launching slip. The corner of the pier has a sign on it that advertises Evinrude outboard motors. Station is not marked. Photo 42952.

The following is a list of eight (8) fourth-order temporary traverse stations with pertinent data. This traverse was run offshore on a shoal and was used to locate hydro stations where well defined points did not appear on the photographs:
SPG-0  - A 2x4 driven 3 feet into the sand shoal and extending about 4 feet above shoal. Painted in black on the shore side of the 2x4 is SPG-0.

SPG-1500 - A 2x4 driven in the sand shoal and projecting about 4 feet above the shoal. Painted in black on the shore side of the 2x4 is SPG-1500.

SPG-3000 - A 2x4 driven into and projecting about 4 feet above the sand shoal. Painted in black on the shore side of the 2x4 is SPG-3000.

SPG-4500 - A 2x4 driven into and projecting about 4 feet above the sand shoal. Painted in black on the shore side of the 2x4 is SPG-4500.

SPG-6000 - A 2x4 driven into and projecting about 4 feet above the sand shoal. Painted on the shore side of the 2x4 is SPG-6000.

SPG-7500 - A 2x4 driven into and projecting about 4 feet above the sand shoal. Painted on the shore side of the 2x4 is SPG-7500.

SPG-9000 - A 2x4 driven into and projecting about 4 feet above the sand shoal. Painted on the shore side of the 2x4 is SPG-9000.

SPG-10,200 - A 2x4 driven into and projecting about 8 feet above the water. Painted on the shore side of the 2x4 is SPG-10,200.

The following is a list of nine (9) hydro stations located from above traverse with pertinent data:

9101 - A 2x4 driven 3 feet into the mud and sand and extending approximately 3 feet above water. Located approximately 500 feet east of the channel into Alligator Creek at a point of mangrove. Note A & B.

9102 - A 2x4 driven 3 feet into the mud and sand at the edge of a mangrove point that is located approximately 500 feet northwest of the mouth of Alligator Creek. 2x4 extends approximately 3 feet above water. Note A & B.

9103 - A 2x4 driven 3 feet into the mud and sand and extending 3 feet above water. Located on the south side of a mangrove Island that sits on the west side of a mud and sand bar. This mangrove island is approximately 2000 feet west of the mouth of Alligator Creek. Note A & B.

9104 - A 2x4 driven 3 feet into the mud and extending 3 feet above water, located at the edge of a point of mangrove that lies approximately 800 feet west of the mouth of a small stream. Note A & B.
9105 - A 2x4 driven into the mud and extending approximately 3 feet above water. Located at the edge of a large blunt point of mangrove. Note A & B.

9106 - A 2x4 driven into the mud and extending approximately 3 feet above water. Located at the edge of a large blunt point of mangrove. Note A & B.

9107 - A 2x4 driven into the mud and extending approximately 3 feet above water. Note A & B.

9108 - A 2x4 driven into the mud and extending approximately 3 feet above water. Located near the center of the edge of a large blunt point of mangrove. Note A & B.

9109 - A 2x4 driven into the mud and extending approximately 3 feet above water. Located at the edge of the mangrove approximately 450 feet south of Triangulation Station PUNTA GORDA 2, 1943. Note A & B.
PHOTOGRAMMETRIC OFFICE REVIEW

T- 11391

4a. Classification label ________

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 JAG 8. Bench marks XX

ALONGSHORE AREAS
(Nautical Chart Data)
to navigation WHS 17. Landmarks WHS 18. Other alongshore physical features ________ 19. Other along-
shore cultural features JAG

PHYSICAL FEATURES
features WHS

CULTURAL FEATURES

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
40. William H. Shearouse Reviewer
M. W. 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-11991**

**Time and date of exposure:** Dec 1953  
**Reference station:** Tampa Bay  
**Mean range:** 1.4

### Field Inspection Data

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<td>Low tide</td>
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<td>Feature above MLW</td>
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</table>

### Notes

- A mean of photography was used.
**Tide Computation**

**PROJECT NO. Ph. 146 T. 11391**

**Time and date of exposure:** 15 Dec 21, 1958
**Reference station:** Tampa Bay

**Date of field inspection:** Dec 1958
**Subordinate station:** Punta Gorda, Charlotte Harbor

**Mean range:** 1.4

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<tr>
<td>Duration of rise or fall</td>
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<td>1.3</td>
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<th>Height</th>
<th>Height x Ratio of ranges</th>
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</thead>
<tbody>
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<td>Time difference</td>
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<tr>
<td>Corrected time at Subordinate station</td>
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<td>Corrected time at Subordinate station</td>
<td>16 16'</td>
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<thead>
<tr>
<th>Time H. T. or L. T.</th>
<th>Required time</th>
<th>Interval</th>
<th>Ht. H. T. or L. T.</th>
<th>Tabular correction</th>
<th>Stage of tide above MLW</th>
<th>feet</th>
<th>Photo No.</th>
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<td>11 54'</td>
<td>2 27'</td>
<td>1.4</td>
<td>0.3</td>
<td>Feature bares</td>
<td>585 1430</td>
<td></td>
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**Computed by:** [Signature]
**Checked by:** [Signature]
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-5856   | 1:10,000  | 1944 |
| T-5857   | 1:10,000  | 1944 |
| T-5858   | 1:10,000  | 1944 |
| T-5859   | 1:10,000  | 1944 |
| T-5860   | 1:10,000  | 1944 |
| T-5875   | 1:10,000  | 1944 |
| T-5876   | 1:10,000  | 1944 |

There are shoreline changes due to the difference in time interval. These map manuscripts are to supersede the above listed surveys of common area for nautical charting.

63. Comparison with Maps of Other Agencies

| Englewood | 1:24,000  | 1956 |
| El Jobean  | 1:24,000  | 1957 |
| Punta Gorda| 1:24,000  | 1957 |
| Punta Gorda SE | 1:24,000  | 1956 |
| Punta Gorda SW | 1:24,000  | 1957 |
| Placida    | 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-8192   | 1:10,000  | 1956 |
| H-8193   | 1:10,000  | 1956 |
| H-8357   | 1:10,000  | 1957 |
| H-8360   | 1:10,000  | 1959 |
64. **Comparison with Contemporary Hydrographic Surveys (cont'd)**

- H-8469 1:10,000 1959
- H-8470 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
- 857 SC 1:40,000 1964

There are only minor differences that exist. However, there 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:

[Signature]

L. C. Lande

Approved by:

[Signature]

Chief, Photogrammetric Branch

Chief, Nautical Chart Division

[Signature]

Chief, Photogrammetry Division
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

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<tr>
<th>CHART</th>
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<th>REMARKS</th>
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