

# 10531

Original

Diag. Cht. No. 1255 Insert.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
<b>DESCRIPTIVE REPORT</b>	
Type of Survey	<b>SHORELINE</b>
Field No.	Office No. <b>T-10531</b>
LOCALITY	
State	<b>FLORIDA</b>
General locality	<b>PEACE RIVER</b>
Locality	<b>LETTUCE LAKE CUTOFF TO GRASS LAKE</b>
<u>1956-1958</u>	
CHIEF OF PARTY	
<b>A. L. Wardwell, Tampa Photo Office</b>	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

# 10531

DESCRIPTIVE REPORT - DATA RECORD

T-10531

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**  
**Amendment No.1 9 Nov. 1954**  
**Supplement No.1 17 Dec. 1956**

Copy filed in Division of  
Photogrammetry (IV)

Method of Compilation (III): **Graphic**

Manuscript Scale (III): **1:10,000**

Stereoscopic Plotting Instrument Scale (III): **Inapplicable**

Scale Factor (III): **None**

Date received in Washington Office (IV): **MAY 21 1959**      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**

~~Respectively~~ 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): **TT 46 WRM USGS 1952**

Lat.: **27°04'27.57" (848.5 m)**

Long.: **82°01'04.08" (112.4 m)**

Adjusted  
~~coordinates~~

Plane Coordinates (IV):

State: **Fla.**

Zone: **West**

Y= **996,147 FT.**

X= **494,208 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.



DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): **G. E. Varnadoe** Date: **Dec. 1958**

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

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

Mean High Water Location (III) (State date and method of location): **Air Photo Compilation**  
Date of photography: **5 Nov. 1956 and 21 Oct. 1958**

Projection and Grids ruled by (IV): **Jean 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. 1958**

Control checked by (III): **R. J. Pate** Date: **Nov. 1958**

Radial Plot ~~obscured~~ Date: **Nov. 1958**

~~Photogrammetric~~ by (III): **R. R. Wagner**

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

Contours Date:

Manuscript delineated by (III): **R. E. Smith** Date: **Dec. 1958**

Photogrammetric Office Review by (III): **W. H. Shearouse** Date: **Feb. 1959**

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

DESCRIPTIVE REPORT - DATA RECORD

4

Camera (kind or source) (III): 9 lens and Wild "S"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
55119	5 Nov. 1956	09:42	1:10,000	
55120	"	09:43	"	
55121	"	09:43	"	
55108	"	09:33	"	
55109	"	09:34	"	
55110	"	09:34	"	
58-S-1704 A	21 Oct. 1958	14:19	"	Ratio Prints
58-S-1705 A	"	14:19	"	"
58-S-1706 A	"	14:20	"	"
58-S-1707 A	"	14:20	"	"

Tide (III) (1)

Reference Station: (1)  
Subordinate Station:  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

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): 14

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

Shoreline (Less than 200 meters to opposite shore) (III): 6 (2)

Control Leveling - Miles (II): Inapplicable

Number of Triangulation Stations searched for (II): 15

Recovered: 15

Identified: 4 (3)

Number of BMs searched for (II): None

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): 2 (4)

Number of Temporary Photo Hydro Stations established (III): 12

Remarks: (1) No tide data available. The Ship SCSEES hydrographic party will establish a tide gage in the vicinity and the information may be obtained from them.

(2) This is measured mileage for entire map which disagrees with "official Mileage for Cost Accounts."

(3) One falls east and one falls north of limits.

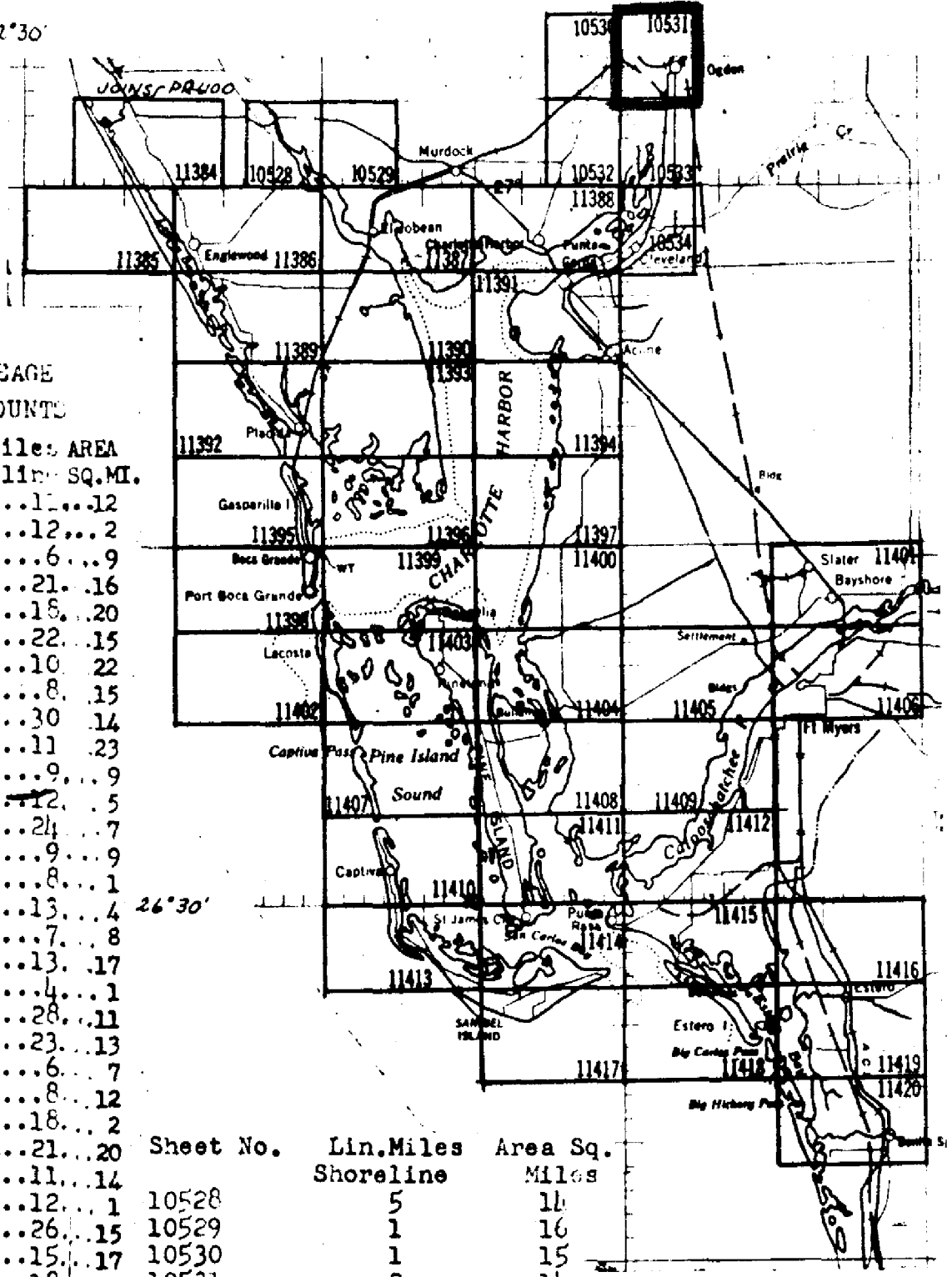
(4) One Topographic station is TV tower for which no Form 524 is submitted.

# SHORELINE MAPPING PROJECT ~~27315~~ PH-146

Charlotte Harbor, FLORIDA

82°30'

27°00'



## OFFICIAL MILEAGE FOR COST ACCOUNTS

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

T-11384	11	12
T-11385	12	2
T-11386	6	9
T-11387	21	16
T-11388	18	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	17
10533	6	12
10534	5	13
Totals		98
540		393
Grand Totals		191

82°00'

81°45'

FIELD INSPECTION REPORT  
IS BOUND WITH T-10534

COMPILATION REPORT T-10531PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10534

31. DELINEATION

The graphic method was used.

The scale of the 1956 nine-lens photographs was excellent and they were used for delineation. The scale of the 1958 single-lens photographs was satisfactory. They were used to make changes that had taken place since 1956.

Field inspection was satisfactory.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours inapplicable.

The drainage has been delineated as shown on the photographs and according to field inspection notes.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate.

No low-water or shoal lines were shown.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.



38. CONTROL FOR FUTURE SURVEYS

One topographic station was established. It is listed, along with the descriptions of twelve photo-hydro stations, under Item 49.

39. JUNCTIONS

A satisfactory junction has been secured with T-10533 on the south and T-10530 on the west.

Comparison with U. S. Geological Survey quadrangle FT. OGDEN to the east and NOCATHE to the north indicates satisfactory agreement of junction details. This map falls in the northwest part of U. S. G. S. quadrangle FT. OGDEN.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with C&GS Planimetric Map No. T-5878 scale 1:10,000 compiled from Air Photographs taken December 1939 and supplemented by other surveys to August 1944. Only minor differences were noted.

A comparison was also made with Geological Survey Topographic Quadrangle FT. OGDEN, scale 1:24,000 compiled from aerial photographs taken 1951-1952, topography by planetable surveys in 1956. Only minor differences were noted.

47. COMPARISON WITH NAUTICAL CHARTS

Not covered by a nautical chart.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

*Rayford E. Smith Jr.*  
Rayford E. Smith Jr.  
Carto Photo Aid

Approved and Forwarded  
*Arthur L. Wardwell*  
Arthur L. Wardwell  
Chief of Party

48. GEOGRAPHIC NAME LIST

ATLANTIC COAST LINE

BOGESS CREEK

ENGLISH LAKE

FLORIDA

FORT OGDEN SCHOOL

FORT WINDER CHURCH

HANDCOCK LAKE

HULL

HORSE CREEK

LETTUCE LAKE

LETTUCE LAKE CUTOFF

PEACE RIVER

SEABOARD AIR LINE

SITE OF FORT OGDEN (INDIAN FORT 1841)

SOUTHFORT

U. S. HIGHWAY 17

*A. J. Wright*  
*Geog. Names Sec.*

49. NOTES FOR THE HYDROGRAPHER

- 31-07 The north tip of a vine and fern covered point formed by a small slough in the marsh (ferns and vines). 1x2 stake with white flag. Photo 1706
- 31-08 Offshore tip of small, bare overhanging tree about 50 feet upriver from large bushy overhanging tree. Cut limbs, white cloth strip. Photo 1706
- 31-09 Top of palm that overhangs at 45° angle then bends lower near top - just southwest of large slough. Cloth band around trunk. Photo 1706
- 31-10 Center of 20-foot tall but small tree at edge of low bank and in a large area of marsh and ferns. Cut limbs - white cloth strip. Photo 1706
- 31-11 Offshore end of vine covered bush about 8 feet tall. Cut limbs - white cloth strip. Photo 1706
- 31-12 Offshore end of a willow tree that lies in the water. Point is about 15 feet offshore and 5 feet above water. Cut limbs - white cloth strip. Photo 1706
- 31-13 Southwest tip of point with low trees and fern on the extreme tip. A point with water plants and grass is about 40 feet southeast. 1x2 stake with white flag. Photo 1706
- 31-14 Center of top of tall palm at edge of bank. Palm leans at about 15° towards water - a dead large oak overhangs about 80 feet upriver. Palm is blazed with white cloth band around trunk. Photo 1706
- 31-15 Center of top of palm that leans over water at about 45°. Palm has rubber tree winding around trunk. Top of rubber tree cut away. White cloth band around trunk. Photo 1706
- 31-16 Offshore end of log with round patch of vines (dead) on its top. 1x2 stake with white flag. Photo 1706
- 31-17 Center of low vine covered tree at northeast end of water plants. There is a much larger vine covered tree about 20 feet southwest. Cut limbs - white cloth strip. Photo 1706
- 31-18 Northwest (offshore) end of long finger of marsh. 1x2 stake with white flag. Photo 1706

50.

### PHOTOGRAMMETRIC OFFICE REVIEW

T. 10531

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

4a Classification label unclassified

#### CONTROL STATIONS

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

#### ALONGSHORE AREAS

(Nautical Chart Data)

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

#### PHYSICAL FEATURES

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

#### CULTURAL FEATURES

27. Roads WBS 28. Buildings WBS 29. Railroads WBS 30. Other cultural features WBS

#### BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

#### MISCELLANEOUS

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

40. William H. Shearouse M. N. Slavner  
Reviewer 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:

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. Waugh 4/5/65  
Chief, Photogrammetry Division    Chief, Nautical Chart Division

Charles L. ...  
Chief, Photogrammetric Branch

