

10528 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-10528

LOCALITY

State FLORIDA

General locality CHARLOTTE HARBOR

Locality MYAKKA RIVER

CRUEDITT BAYOU TO DINNER ISLAND

1956-1959

CHIEF OF PARTY

A. L. Wardwell, Tampa Photo Office

LIBRARY & ARCHIVES

DATE

USCOMM-DC 5087

10528

DESCRIPTIVE REPORT - DATA RECORD

T-10528

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
Photogrammetry (IV)

Amendment No.1 9 November 1954

Supplement 1 17 December 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): **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): **HAVOLINE 1934**

Lat.: **27°02'48.467" (1491.7 m)**

Long.: **82°15'52.806" (1455.3 m)**

Adjusted
~~Horizontal~~

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.

SHORSLINE

COMM-DC-57842

DESCRIPTIVE REPORT - DATA RECORD

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

Date: **Feb. 1959**

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**
21 Oct. 1958

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

Date: **Jan. 1957**

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

Date: **Jan. 1957**

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

Date: **Dec. 1958**

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

Date: **Dec. 1958**

Radial Plot of ~~Stereoscopic~~ **R. R. Wagner**

Date: **Dec. 1958**

~~Stereoscopic Instrument~~ by (III): **R. J. Pate**

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

Date:

Date:

Manuscript delineated by (III): **R. J. Pate**

Date: **Mar. 1959**

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

Date: **April 1959**

Elevations on Manuscript

checked by (II) (III): **Inapplicable**

Date:

DESCRIPTIVE REPORT - DATA RECORD

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

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PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
5851113A	21 Oct. 1958	11:41	Ratio to 1:10,000	*
5851114A	"	11:41	"	"
5851115A	"	11:42	"	"
5851116A	"	11:42	"	"
55061	5 Nov. 1956	09:00	"	"
55062	"	09:01	"	"
55069	"	09:08	"	"
55070	"	09:09	"	"
55071	"	09:10	"	"

Tide (III) *

Reference Station: *

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 (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): **2**

Recovered: **2**

Identified: **2**

Number of BMs searched for (II): **None**

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): **1**

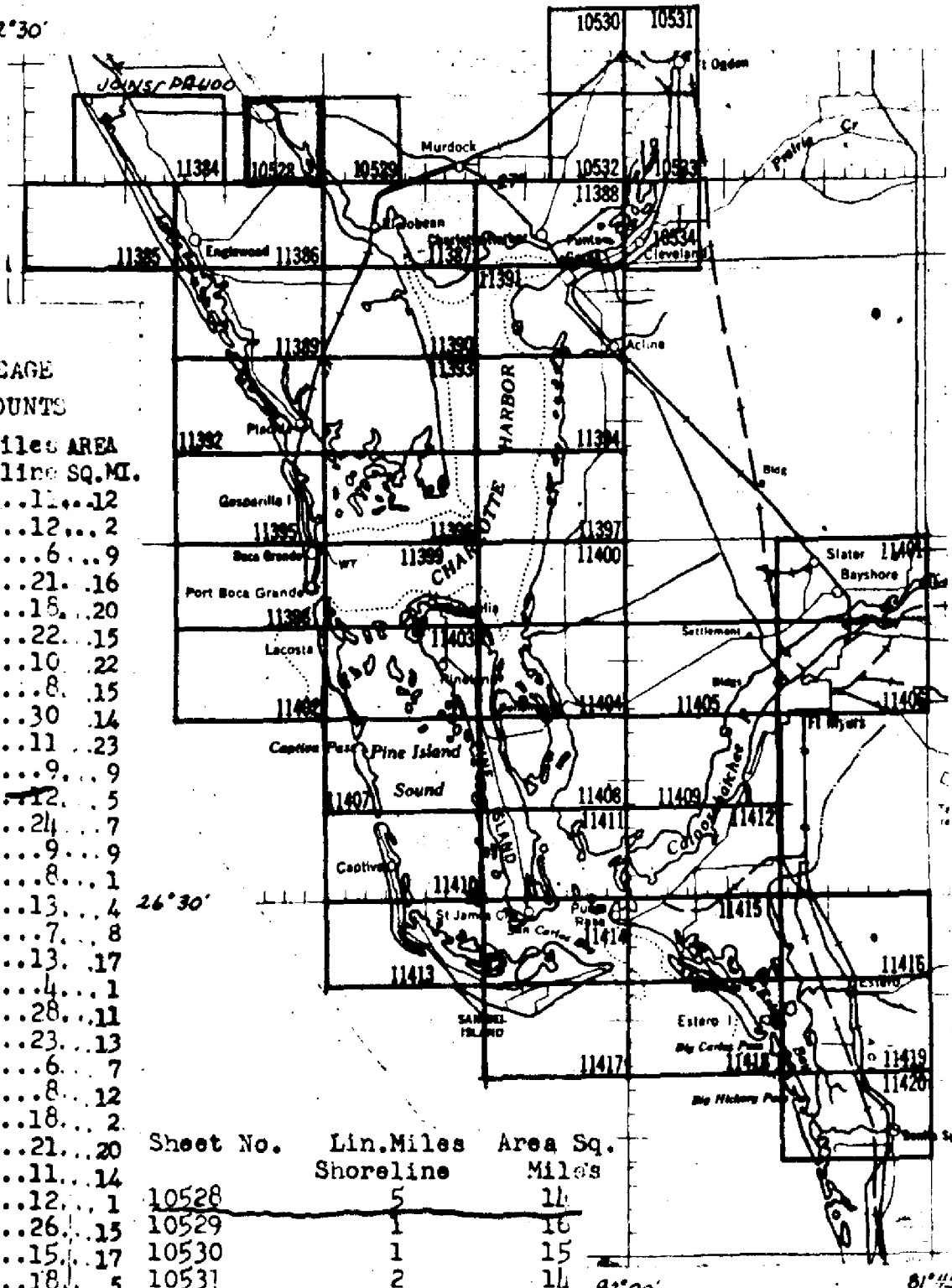
Number of Temporary Photo Hydro Stations established (III): **40 ****

Remarks: * Tide information not available. The Ship **SOSBER** is to install a tide gage in the vicinity and the data may be obtained from their records.

** Photo-hydro stations No's 28-30, 28-36, 28-37 and 28-38 fall south of the limits of this manuscript. They were, however, located and furnished to the hydrographer on a print of this compilation.

5

82°30'



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

Sheet Nos.	Lin. Miles	SQ. Miles	AREA
T-11384	11	12	
T-11385	12	2	
T-11386	6	9	
T-11387	21	16	
T-11388	15	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	293

Sheet No.	Lin. Miles Shoreline	Area Sq. Miles
10528	5	14
10529	1	16
10530	1	15
10531	2	14
10532	2	14
10533	6	12
10534	5	13

Totals

22

96
222

Grand Totals 562 1.91

THE FIELD INSPECTION REPORT
is SUBMITTED WITH T-10529

COMPILATION REPORT T-10528

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-10534

31. DELINEATION

Graphic compilation method used. Field Inspection and Photography were adequate.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

No statement.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate.

There are no low-water or shoal lines shown.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS AND AIDS

There are no landmarks or aids.

38. CONTROL FOR FUTURE SURVEYS

Form 524 is submitted for one topographic station. It is listed, along with forty (40) photo-hydro stations under Item 49.

Photo-hydro stations: No's 2830, 2836, 2837, and 2838 are located south of the limits of this survey (in T-11386). They were shown on the compilation manuscript and a print was furnished the hydrographic party, but are not shown on the ADVANCE (VAN DYKE) MANUSCRIPT.

39. JUNCTIONS

Junctions were made with T-10529 on the east and T-11386 on the south and are in agreement.

This survey lies within C&GS quadrangle MYAKKA RIVER, FLA., scale 1:31,680, published by the Corps of Engineers, U. S. Army in 1944. Junction of details appears to be in fair agreement.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with C&GS planimetric maps T-5880 and T-5881, scale 1:10,000, dated 1943 and with C&GS quadrangle MYAKKA RIVER, FLA. scale 1:31,680 dated 1944. They are in good agreement with the exception of a large real estate subdivision in the north-east corner of this survey.

47. COMPARISON WITH NAUTICAL CHARTS

There are no charts for this area.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None

Russell J. Pate
Russell J. Pate
Carto Survey Aid

APPROVED AND FORWARDED

Arthur L. Wardwell
Arthur L. Wardwell
Chief of Party

48. GEOGRAPHIC NAME LIST

BIG SLOUGH

CRUDDITT BAYOU

DEER PRAIRIE CREEK

DICKS HOLE

DINNER ISLAND

DOUBLE ISLAND

ENGLEWOOD ROAD

INDIAN MOUND BAYOU

MYAKKA RIVER

MYAKKA SHORES

RIVER ROAD

SALT SPRINGS CREEK

STATE HWY 777

TAMIAMI TRAIL

TARPON POINT

U. S. HWY 41

WARM MINERAL SPRINGS

A. J. Wright
Geog. Names Sec.

49. NOTES FOR THE HYDROGRAPHER

The following are photo-hydro stations:

- 28-01 Northeast corner of north boat shed - first shed south of bridge. Not marked - photo 58S-1414A.
- 28-02 Power pole nearest water, southwest side of river. Not marked. Photo 1414A.
- 28-03 Power pole nearest water - northeast side of river. Not marked. Photo 1414A.
- 28-04 Center of detached mangrove bush at southeast end of mangrove growth. First mangrove bush north of small creek. White cloth strip - cut limbs. Photo 1413A.
- 28-05 Northwest tip of marsh point - a dead mangrove bush is 2 meters north of point at south side of water between islands. 1x2" stake with white flag - photo 1414A.
- 28-06 South tip of marsh and mud point at north entrance to creek. 1x2" stake with white flag - photo 1415A.
- 28-07 Center of dead mangrove bush at south tip of mangrove point. This bush is detached at MHW. White cloth strip - photo 1415A.
- 28-08 North tip of mangrove point about midway on east side of small mangrove island at south edge of small cove. White cloth strip, cut limbs - photo 1415A.
- 28-09 Southeastern most of 7 palms in group in marsh area. White cloth band around trunk and blazed - photo 1415A.
- 28-10 South tip of point of marsh and mud at north entrance to small bay. 1x2" stake with white flag - photo 1415A.
- 28-11 Dead mangrove bush at LWL on northwest tip of mangrove island. Cut limbs - white cloth strip - photo 1415A.
- 28-12 Southwest edge of dead (white) mangrove bush at edge of marsh line. The marsh shoreline jogs to north just southeast of station. Cut limbs and white cloth strip - photo 1415A.
- 28-13 South tip of dead mangrove bush at southeast end of mangrove point. Cut limbs - white cloth strip - photo 1416A.
- 28-14 Southwest tip of marsh point at north shore of entrance to creek. White cloth strip on small mangrove with cut limbs. Photo 1416A.

- 28-15 Tip of dead mangrove limbs on southeast side of island - 270 feet northwest of end of point. There is a slight curve in shoreline just above and just below the station. Cut limbs - white cloth strip - photo 1416.
- 28-16 A stubby 8-foot tall palm with few fronds - approximately 200 feet north of the northern of two boat slips, about 2 meters west of MHWL. A bushy top palm leaning to north is about 20 feet south. White cloth band around palm - photo 1416.
- 28-17 The northeast corner of two story house - green first floor - white second floor - only two story house in vicinity. Photo 1416.
- 28-18 Center of mangrove bush at MHWL about 100 feet north of low bushy palm and about 100 feet south of small bunch of marsh. Cut limbs - white cloth strip - photo 55071.
- 28-19 Mangrove bush at LWL at north end of mangrove shoreline with marsh to north for about 150 feet. Cut limbs - white cloth strip - photo 55071.
- 28-20 Dead (white) mangrove bush 2 meters off HNL with marsh behind and about 3 meters north of mangrove. Mangrove begins again about 60 feet north. 1x2" stake with white flag and white cloth strip tied to dead mangrove - photo 55071.
- 28-21 Small mangrove bush about 5 feet southeast of tip of marsh point. Cut limbs - white cloth strip - photo 1417.
- 28-22 South tip of marsh point at north entrance to small creek - a strip of marsh continues south of this point about 12 feet and is flooded across at high tide. 1x2" stake with white flag - photo 1417.
- 28-23 Dead mangrove bush on marsh shore with a lone clump of mangrove about 20 feet inshore - scattered mangrove are about 80 feet southeast and 300 feet northwest. Cut limbs - white cloth strip - photo 1417.
- 28-24 Center of mangrove bush near southeast end of a marsh and mangrove island, approximately 15 feet northwest of tip of island with smaller scattered mangrove around it. The top and limbs were cut off. White cloth strip - photo 55072.
- 28-25 Center of partly dead mangrove bush that is semi-detached, at the southeast tip of the mangrove point. Bush is 1 meter east of edge of marsh, in water. Cut limbs and top - white cloth strip - photo 55072.

- 28-26 Center of detached mangrove bush in water, near center of small cove near north end of mangrove growth and beginning of marsh. Some marsh grows around bush. Cut limbs - white cloth strip - photo 55072.
- 28-27 Northwesternmost tall palm in growth along shore, at beginning of palmetto growth. Palm leans slightly toward water - top of palm is signal - blazed with white cloth band - photo 55072.
- 28-28 South tip of mangrove point of island. Cut limbs - white cloth strip - photo 55072.
- 28-29 Blazed lone palm with white cloth band approximately 10 feet in from HWL. Palm is about 25 feet high and is only high palm in area. Photo 55072.
- 28-30 Southeastern tip of mangrove and marsh point at northwest entrance to creek. Cut limbs - white cloth strip - photo 55072.
- 28-31 Detached, small mangrove bush with marsh in and around it, at HWL., approximately 120 feet north of southwest point of island. Cut limbs - white cloth strip - photo 55072.
- 28-32 Mangrove bush approximately 100 feet north of point of island. There is another lower mangrove bush in the water about 2 meters offshore and another about 2 meters inshore. Cut limbs and white cloth strip - photo 55072.
- 28-33 Blazed 15-foot palm with white cloth band, approximately 900 feet north of entrance to Big Slough. The palm leans slightly toward water. A short stubby palm 5 feet high joins this one at the root and leans toward water. Photo 1416.
- 28-34 Point of marsh at northwest end of small cove on marsh shoreline. There is some grass in water west of station. 1x2" stake with white flag. Photo 1416.
- 28-35 South tip of narrow fringe of marsh which is in water at high tide at northeast entrance to creek. 1x2" stake with white flag. Photo 1416.
- 28-36 A lone blazed 8-foot palm at the HWL with white cloth band - near the southeast end of a white sand beach (LWL). Mangrove begins about 20 feet southeast of the palm and about 40 feet inshore is a taller palm. Photo 55072.
- 28-37 The northern tip of a clump of mangrove that is overhanging the water - a larger clump is about 80 feet north and another is about 90 feet south. Cut limbs - white cloth strip - photo 55072.

- 28-38 North end of mangrove clump that forms a hook about 200 feet north of entrance to small creek. Cut limbs - white cloth strip (old signal). Photo 55072.
- 28-39 The eastern tip of a partly dead mangrove on the eastern end of the mangrove island. Cut limbs and cloth strip - photo 1417.
- 28-40 The center of a low (10-foot) cabbage palm which is western palm of small group and is 12 feet north of HWL - cut fronds. White cloth strip - photo 1417.

TOPOGRAPHIC STATIONS:

PISH 1959.

PHOTOGRAMMETRIC OFFICE REVIEW

50.

T. 10528

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

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) WHS 7. Photo hydro stations WHS 8. Bench marks XX
9. Plotting of sextant fixes XX 10. Photogrammetric plot report RRW 11. Detail points WHS

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

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

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

33. Geographic names WHS 34. Junctions WHS 35. Legibility of the manuscript WHS 36. Discrepancy overlay XX 37. Descriptive Report WHS 38. Field inspection photographs WHS 39. Forms WHS
40. William H. Shearouse Hilton M. Slavney
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.

