

12299

Diag. Cht. No. 1237.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey SHORELINE

Field No. Ph-6217 Office No. T-12299

LOCALITY

State SOUTH CAROLINA
General locality CAPE FEAR, N.C. TO
WINYAH BAY, S.C.
Locality SURFSIDE BEACH

19 62 - 1964

CHIEF OF PARTY

Joseph K. Wilson, Chief, Photo Party 6420
J. C. Bull, Director, Atlantic Marine
Center

LIBRARY & ARCHIVES

DATE December 1967

USCOMM-DC 5087

12299

DESCRIPTIVE REPORT - DATA RECORD

T -12299

PROJECT NO. (II):

Job PH 6217

FIELD OFFICE (III):

Myrtle Beach, South Carolina

CHIEF OF PARTY

Joseph K. Wilson

PHOTOGRAMMETRIC OFFICE (III):

Atlantic Marine Center

OFFICER-IN-CHARGE

J. Bull, Director, Atlantic Marine Center

INSTRUCTIONS DATED (II) (III):

11 September 1963 Field
14 October 1963 Office
10 January 1964, Amendment 1 Office

METHOD OF COMPILATION (III):

Kelsh Plotter

MANUSCRIPT SCALE (III):

1:20,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:6,000 pantographed to 1:20,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III):

N.A. 1927

VERTICAL DATUM (III):

MEAN SEA LEVEL EXCEPT AS FOLLOWS: MHW

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):

ROCH 2, 1962

LAT.:

33° 36' 09.5352"

LONG.:

78° 58' 28.2622"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y = 225,463.96 FT.

X = 2,616,759.36 FT.

South Carolina

North

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): Robert S. Tibbetts Harvey G. Lucas		DATE: January 1964 November 1963
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo compilation Date of Photography September 1, 1962 & Feb 21, 1963		
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree		DATE 12-3-63
PROJECTION AND GRIDS CHECKED BY (IV): P. Silverman		DATE 12-3-63
CONTROL PLOTTED BY (III): V. P. Cackowski		DATE March 1964
CONTROL CHECKED BY (III): R. R. Wagner		DATE March 1964
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): R. B. Kelly (Washington Office)		DATE Dec. 1963
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY R. E. Smith	DATE March 1964
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): J. Honick		DATE March 1964
SCRIBING BY (III): B. Barnes		DATE Dec. 1964
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): W. H. Shearouse		DATE April 1964
REMARKS: FIELD EDIT R. S. TIBBETTS JUNE 1964 (REFER TO PAGES 14 AND 19)		

FORM C&GS-181c
(12-61)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

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CAMERA (KIND OR SOURCE) (III):

"S" and "W" Cameras

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
62 S 1075A & 1076A	Sept. 1, 1962	0807	1:30,000	+ 4.3 above MHW
63 W 3043	Feb. 21, 1963	1008	1:30,000	+ 1.0 " "

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Charleston, South Carolina		5.1	6.0
SUBORDINATE STATION: Murrells Inlet, South Carolina	HW LW	-0.6 0.0	4.5 5.3
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): L. F. Beugnet, Atlantic Marine Center

DATE: June 1966
~~Sept. 14, 1965~~

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

1

RECOVERED:

1

IDENTIFIED:

1

NUMBER OF BM(S) SEARCHED FOR (II):

0

RECOVERED:

0

IDENTIFIED

0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

None

REMARKS:

il.

COMPILATION RECORD

COMPLETION DATE

REMARKS

Manuscript complete pending field edit	March 1964	Superseded
Compilation complete	December 1964	

PROJECT PH-6217 SHORELINE MAPPING NORTH CAROLINA-CAPE FEAR TO SOUTH CAROLINA-WINYAH BAY

Official Mileage For Cost Accounts

PH-6217

Sheet Number	Area Square Miles	Shoreline Linear Miles
12288	30	38
12289	30	34
12290	26	26
12291	34	35
12292	9	9
12293	8	15
12294	7	22
12295	12	16
12296	7	7
12297	7	6
12298	30	30
12299	5	4
12300	25	25
12301	8	10
12302	40	34

TOTALS 278

311

14 SEPT. 1962

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SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12299

Shoreline manuscript T-12299 is one of fifteen similar maps in Project 21059 (PH-6217). The sketch on page 5 of this report shows the position of this map in the project. This is a Kelsh project in advance of hydrographic surveys in the same area. The field operations preceding compilation included recovery and identification of horizontal control and field inspection. The Kelsh compilation was at 1:20,000 scale from which a cronar positive showing shoreline and alongshore features was furnished for preparation of the hydrographer's boat sheet. 1:30,000 scale photographs taken September 1, 1962 and February 21, 1963 were used for compilation. 1:20,000 scale ratio prints were subsequently provided for hydro support purposes. The compilation manuscript is a vinylite sheet $7\frac{1}{2}$ minutes in latitude and $7\frac{1}{2}$ minutes in longitude from which the smooth sheet was scribed and reproduced on cronaflex. One cronar positive and one cronar negative are provided for record and registry after final review.

FIELD INSPECTION REPORT
South Carolina
Project 21059

For data pertaining to this Map see field inspection report filed
under Map T-12296.

2 March 1964
Submitted by:

Joseph K. Wilson
Joseph K. Wilson
Chief, Photo Party 6420

SCALE FACTOR.....

P.

COMPILATION REPORT
T-12299

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-12296

31. DELINEATION

The Kelsh Plotter was used.

Field inspection was adequate and no unusual difficulty was encountered.

32. CONTROL

See Photogrammetric Plot Report

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage was delineated as inspected or from office interpretation.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate

No low water line was shown.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

Forms 567 for Aids to Navigation have been submitted to the Washington Office under date of April 9, 1964.

There are no landmarks.

37. LANDMARKS AND AIDS (Cont.)

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Junctions are in agreement with T-12296 to the north and T-12298 to the west. There is no contemporary survey to the south and east.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. Quadrangle MYRTLE BEACH, S.C. scale 1:62,500 date 1937, Changes noted were to be expected due to the passage of time.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with chart No. 1237 scale 1:80,000, revised 11/5/62.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None

ITEMS TO BE CARRIED FORWARD

None

R. E. Smith
R. E. Smith
Cartographer

Approved and forwarded:

J. Bull
J. Bull
Director, Atlantic Marine Center

GEOGRAPHIC NAMES

Ph 6217

(Cape Fear, N.C. - Winyah Bay, S.C.)

T-12299

Atlantic Ocean

~~Floral Beach~~ SURF SIDE BEACH (Reported by F.E.)

Garden City Beach

Lakewood

Dick Pond

A. J. Wraight

A. J. Wraight
Chief, Geographic Branch

NOTE: THE GEOGRAPHIC NAMES BRANCH WAS NOTIFIED OF
THE CHANGES AND ADDITIONS SHOWN IN RED, THE
CHANGES WERE RECOMMENDED BY THE FIELD
EDITOR.

JWB

Nov. 4, 1966

NOTE: CHANGES VERIFIED BY A.J. WRIGHT 11/7/66

T-12299

49. NOTES FOR THE HYDROGRAPHER:

None.

FORM 182 (3-61)		PHOTOGRAMMETRIC OFFICE REVIEW T-12299		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS RES		2. TITLE RES		3. MANUSCRIPT NUMBERS RES	4. MANUSCRIPT SIZE RES
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY RES		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) XX		
	7. PHOTO HYDRO STATIONS XX	8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT BRIDGE (W.O.)	
	11. DETAIL POINTS KELSH				
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE RES	13. LOW-WATER LINE XX	14. ROCKS, SHOALS, ETC. XX	15. BRIDGES XX	
	16. AIDS TO NAVIGATION RES	17. LANDMARKS XX	18. OTHER ALONGSHORE PHYSICAL FEATURES RES		
	19. OTHER ALONGSHORE CULTURAL FEATURES RES				
PHYSICAL FEATURES	20. WATER FEATURES RES		21. NATURAL GROUND COVER RES		
	22. PLANETABLE CONTOURS XX		23. STEREOSCOPIC INSTRUMENT CONTOURS XX		
	24. CONTOURS IN GENERAL XX		25. SPOT ELEVATIONS XX		
	26. OTHER PHYSICAL FEATURES RES				
CULTURAL FEATURES	27. ROADS RES	28. BUILDINGS RES	29. RAILROADS XX		
	30. OTHER CULTURAL FEATURES RES				
BOUNDARIES	31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX		
MISCELLANEOUS	33. GEOGRAPHIC NAMES RES			34. JUNCTIONS RES	
	35. LEGIBILITY OF THE MANUSCRIPT RES	36. DISCREPANCY OVERLAY XX		37. DESCRIPTIVE REPORT RES	
	38. FIELD INSPECTION PHOTOGRAPHS RES		39. FORMS RES		
	SIGNATURE OF REVIEWER <i>R.E. Smith</i>		SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT A.C.R. Jr. <i>Albert C. Rauch, Jr.</i>		
D. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT - Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.					
SIGNATURE OF COMPILER <i>R.J. Pate</i>			SIGNATURE OF SUPERVISOR A.C.R. Jr. <i>Albert C. Rauch, Jr.</i>		

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FIELD EDIT REPORT
T-12299

No formal field edit report was received. Field edit data received on the discrepancy print indicates that the manuscript was field edited in June 1964.

15.

REVIEW REPORT T-12299
SHORELINE
June 14, 1966

61. GENERAL STATEMENT

See summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with 1:20,000 scale Registered Survey No. 5246.

This map supersedes the listed prior survey for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with U.S.G.S. MYRTLE BEACH, S. C. quadrangle, 1:62,500 scale, edition of 1940.

The shoreline along the outer coast is in good general agreement with map T-12299. There are major changes in the interior of the map; namely, additional roads and buildings.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Contemporary hydrographic surveys in this area had not been accomplished at the time of final review.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart 1237, 3rd edition, dated June 21, 1965. The shoreline of this chart and map T-12299 are in good agreement.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey complies with instructions and meets the National Standard of Map Accuracy.

Reviewed by:

Leo F. Beugnet
Leo F. Beugnet

Approved by:

J. Bull
J. Bull, CAPT
Director, Atlantic Marine Center

Approved by:

Charles Lerner
Chief, Cartographic Branch jlc

S. Ralph Sobieralski
Chief, Photogrammetry Division
12-06-67

John D. Boyer
Chief, Chart Division
Marine

Chief, Operations Division

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

**NOT RECORDED
TO BE DELETED**

STRIKE OUT TWO

March 30 1964

I recommend that the following objects which have ~~(insert name)~~ been inspected from seaward to determine their value as landmarks be ~~inserted on~~ *(deleted from)* the charts indicated.

The positions given have been checked after listing by

William H. Shearouse

V. Ralph Solomonski

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-35, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. 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.

* TABULATE SECONDS AND METERS

USCOMM-DC 16234-P61

F-12299

(19)

NOTES TO THE VERIFIER

Contemporary hydrographic surveys in the area of this manuscript had not been made at the time of final review.

The following photographs were used in the manner indicated.

Control Identification - 63-W-3044

Field Inspection - 63-W-3043 and 3044

Field Edit - 62-S-1074A

Final Review - 62-S-1075A thru 1077A, 63-W-3043 and 3044

NOTE: A COMPARISON PRINT WAS SUBMITTED BY THE FINAL REVIEWER; IT WAS DESTROYED, HOWEVER, SINCE IT CONTAINED NO INFORMATION NOT ACCOUNTED FOR IN THE REPORT.

SGB

