

12301

Original

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-12301
LOCALITY	
State	South Carolina
	Cape Fear, N. C. to
General locality	Winyah Bay, S. C.
Locality	Midway Inlet
1963-1964	
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

12301

DESCRIPTIVE REPORT - DATA RECORD

T-12301

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.C. Bull Director, Atlantic Marine
Center

INSTRUCTIONS DATED (II) (III):

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

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): MHW

~~XXXXXX~~ 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):

GRATE , 1934

LAT.:

33° 27' 41" .160 (1268.1m)

LONG.:

79° 06' 30" .442 (786.1 m)

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

y = 173,297.90 Ft.

x = 2,576,937.55 Ft.

STATE

South Carolina

ZONE

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

2.

FIELD INSPECTION BY (II): Harvey G. Lucas Ernest W. Hartford		DATE: Nov. 1963, Jan. 1964
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation Date of Photography; 21, Feb. 1963		
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree		DATE 11-29-63
PROJECTION AND GRIDS CHECKED BY (IV): P. Silverman		DATE 12-2-63
CONTROL PLOTTED BY (III): V. P. Cackowski		DATE 1-15-64
CONTROL CHECKED BY (III): R. R. Wagner		DATE 1-15-64
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): R. B. Kelly (W.O.)		DATE Dec. 1963
STEREOSCOPIC INSTRUMENT COMPILATION (III): PLANIMETRY checked: R. D. Purvis R. E. Smith CONTOURS Kelsh Inapplicable	DATE 2-5-64 2-9-64	
	DATE Feb 1964	
MANUSCRIPT DELINEATED BY (III): R. D. Purvis		DATE Feb 1964
SCRIBING BY (III): A. Santillan		DATE Dec. 10, 1964
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): W. H. Shearouse, R. E. Smith		DATE Mar. 1964 Feb. 1966

REMARKS:

FIELD EDIT
R.L. TIBBETTS
(REFER TO PAGES 13 and 17)
JUNE 1964

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

Single lens "S" and "W"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
63 W 3048	21 Feb. 1963	1011	1:30,000	0.6 <i>ebore M+W</i>
63 W 3049	"	1012	"	" "
63 W 3050	"	1013	"	" "
63 W 3151	"	1014	"	" "

TIDE (III) Predicted

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Charleston, S.C.		5.1	6.0
SUBORDINATE STATION: North Inlet	H -0.6 L 0.0	4.5	5.3
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): *Leo F. Beugnot, Atlantic Marine Center* DATE: *June 1966*

PROOF EDIT BY (IV): DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): *3* RECOVERED: *3* IDENTIFIED: *1*

NUMBER OF BM(S) SEARCHED FOR (II): *0* RECOVERED: IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): *None*

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): *None*

REMARKS:

COMPILATION RECORD

COMPLETION DATE

REMARKS

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

21059
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

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12301

Shoreline manuscript T-12301 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 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
Project 21059 (PH-6217)
Map T-12301

Field inspection report of this map is filed under map T-12302.

17 January 1964
Submitted by:

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

MAP T-12301

PROJECT NO. 21059

SCALE OF MAP.....1:20,000

SCALE FACTOR:

[illegible]

COMPILATION REPORT
T-12301

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-12296

31. DELINEATION

The Kelsh plotter was used. Field inspection was adequate.

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

The shoreline inspection was adequate.

Low water and shallow lines were delineated from office interpretation.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

Appropriate copies of Form 567, for Aids to Navigation were forwarded to Washington Office under date March 6, 1964. There are no landmarks.

37. LANDMARKS AND AIDS (Cont.)

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Junctions are in agreement with T-12298 to the north and T-12300 to the west. The Atlantic Ocean is to the south and east.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

A comparison was made with U.S.G.S. Quadrangle Magnolia, S.C. scale 1:24,000, 1942.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with C&GS 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

Approved and forwarded:

K. Boyle
K. Boyle
Cartographic Tech.

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

Geographic Names

Ph (21059) 6217

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

T-12301

- * Annieville ✓
- * Atlantic Ocean ✓
- Brookgreen Gardens
- * Clubhouse Creek ✓
- * Flagg Pond ✓
- * Fraserville ✓
- * Georgieville ✓
- * Long Bay ✓
- * ~~Magnolia Beach~~ ✓ * See below (LITCHFIELD BEACH)
- * Midway Inlet ✓
- * Parkersville ✓
- * Pawleys Island (2)
- * Pawleys Island Creek ✓
- * LITCHFIELD BEACH ✓

A. J. Wright

A. J. Wright
Chief, Geographic Branch

* These names appear on this manuscript.

* THIS ADDITION WAS RECOMMENDED BY THE FIELD EDITOR.
THE GEOGRAPHIC BRANCH WAS NOTIFIED OF THE CHANGE.

VERIFIED BY A.J. WRIGHT

11/7/66

NOV. 4, 1966

SGR

T-12301

49. NOTES FOR THE HYDROGRAPHER

None

PHOTOGRAMMETRIC OFFICE REVIEW

T-10363 T-12301

1. PROJECTION AND GRIDS WHS	2. TITLE WHS	3. MANUSCRIPT NUMBERS WHS	4. MANUSCRIPT SIZE RES
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 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 WHS	13. LOW-WATER LINE WHS	14. ROCKS, SHOALS, ETC. XX	15. BRIDGES XX
16. AIDS TO NAVIGATION RES	17. LANDMARKS XX	18. OTHER ALONGSHORE PHYSICAL FEATURES WHS	19. OTHER ALONGSHORE 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 XX	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 RES	38. FIELD INSPECTION PHOTOGRAPHS WHS	39. FORMS RES
40. REVIEWER RES <i>R. E. Smith</i>		SUPERVISOR, REVIEW SECTION OR UNIT ACR Jr <i>Albert C. Rauck, Jr.</i>	
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 <i>H. Boyle</i>		SUPERVISOR A.C.R. Jr <i>Albert C. Rauck, Jr.</i>	
43. REMARKS			

FIELD EDIT REPORT
T-12301

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.

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REVIEW REPORT T-12301
SHORELINE
June 8, 1966

61. GENERAL STATEMENT

See summary accompanying Descriptive Report (page 6)

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with Registered Survey T-8219, 1:20,000 scale edition of 1942.

Midway Inlet has shifted to the northward and the shoreline on either side has changed considerably. There are minor changes in the interior of the map and in the apparent shoreline along Powlegs Island Creek and Clubhouse Creek.

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. quadrangle MAGNOLIA BEACH, SOUTH CAROLINA, 1:24,000 scale edition of 1942.

This quadrangle, published by the U.S.G.S., is the civil edition of T-8219 referred to in ITEM 62; and the same differences with T-12301 exist.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with a copy of boat sheet PE-20-2A-64 between latitude 33°22'30" and 33°27'00". No contemporary hydrographic survey north of latitude 33°27'00" was available for comparison purposes at the time of final review.

Boat sheet PE-20-2A-64 shows no detail inshore from the Atlantic Ocean. The shoreline on the boat sheet and the manuscript are in good agreement along the outer coast.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart 1237, 1:80,000 scale, 3rd edition, dated June 21, 1965. The shoreline along the outer coast and the size and shape of Midway Inlet is in good general agreement with map manuscript T-12301.

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66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey complies with the instructions and meets the National Standards 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 L. Leman
Chief, Cartographic Branch JLB

J. Ralph Sobienalski
Chief, Photogrammetry Division
12-06-67

John L. Boyer
Chief, Chart Division
Marine

Chief, Operations Division

NOTES TO VERIFIER
T-12301 Project 21059 (Ph-6217)
BOAT SHEET No. PF-20-2A-64

The shoreline on boat sheet PF-20-2A-64 and this manuscript are in good agreement.

No contemporary hydrographic survey was available for comparison purposes north of latitude 33°27'00".

The following photographs were used in the manner indicated.

Control Identification: 63-W-3050

Field Inspection: 63-W-3049 thru 3053

Field Edit: None. See discrepancy print.

Final Review: 63-W-3049 thru 3052.

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

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-12301

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]