

**T-12285****T-12285****T-12285**

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No.	Office No. T-12285
LOCALITY	
State	SOUTH CAROLINA
General locality	WINYAH BAY TO CHARLESTON HARBOR
Locality	CAPERS INLET
<del>1963</del> 1962-1964	
CHIEF OF PARTY	
J. K. Wilson, Chief of Field Party	
J. Bull, Norfolk Regional Officer	
LIBRARY & ARCHIVES	
DATE	

## DESCRIPTIVE REPORT - DATA RECORD

T - 12285

PROJECT NO. (II):

21058

FIELD OFFICE (II):

Georgetown, South Carolina

CHIEF OF PARTY

J. K. Wilson

PHOTOGRAMMETRIC OFFICE (III):

Norfolk

OFFICER-IN-CHARGE

J. Bull

INSTRUCTIONS DATED (II) (III):

Oct. 8, 1962 Field  
Nov. 5, 1962 Office  
Feb. 20, 1963 " Amendment I  
April 26, 1963 " " II  
Oct. 10, 1963 " Supplement I

METHOD OF COMPILATION (III):

Kelsh Plotter

MANUSCRIPT SCALE (III):

1:20,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:6000 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):

NA 1927

VERTICAL DATUM (III): MHW

~~MEAN LOW WATER~~ 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):

KUYLER, 1942

LAT.:

32° 50' 41".668 (1283.6m)

LONG.:

79° 42' 24".173 (628.6m)

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

Y = 370,465.82

X = 2,397,192.63

STATE

South Carolina

ZONE

South

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.

FORM C&GS-181b (12-61)		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT - DATA RECORD			
FIELD INSPECTION BY (II): H. G. Lucas                      M. A. Stewart R. S. Tibbetts		DATE: February 1963	
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):  Air photo compilation  Date of photography              Sept. 1, 1962 February 21, 1963			
PROJECTION AND GRIDS RULED BY (IV):  A. Riley		DATE Feb. 1963	
PROJECTION AND GRIDS CHECKED BY (IV):  L.F.B.		DATE Feb. 1963	
CONTROL PLOTTED BY (III):  J. Honick		DATE April 1963	
CONTROL CHECKED BY (III):  V. P. Cackowski		DATE April 1963	
<del>STEREOSCOPIC</del> STEREOSCOPIC CONTROL EXTENSION BY (III):  J. L. Lisle		DATE April 1963	
STEREOSCOPIC INSTRUMENT COMPILATION (III):		PLANIMETRY  R. J. Pole	DATE April 1963
		CONTOURS  Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III):      J. Honick "                      "                      Reviewed By: W. H. Shearouse		DATE      May 1963 May 1963	
SCRIBING BY (III):                      R. Matthews "                      Reviewed By: R. R. Wagner		DATE      Feb. 1964 Feb. 1964	
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. R. Wagner		DATE      Sept. 1964	
REMARKS:  FIELD EDIT - 1963-1964			

## DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

Cameras S &amp; W

## PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
62-S-1198A thru 62-S-1200A	Sept. 1, 1962	9:50	1:30,000	5.0
63-W-3073 thru 63-W-3076	Feb. 21, 1963	11:16		-0.1

## Predicted TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Charleston		5.1	6.0
SUBORDINATE STATION: Capers Inlet	HW LW	+0.1 0.0	5.2 6.1
SUBORDINATE STATION:			

~~WASHINGTON OFFICE~~ *FINAL* REVIEW BY (IV): M. M. Slavney, Norfolk Regional Office

DATE: 7/65

PROOF EDIT BY (IV): M. M. Slavney, Norfolk Regional Office

DATE: 11/65

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 8

RECOVERED:

IDENTIFIED:

5\*

1

NUMBER OF BM(S) SEARCHED FOR (II): (Tidal) 5

RECOVERED:

IDENTIFIED

1

1

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

none

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

none

REMARKS:

Another triangulation station, RUSH, 1963, is shown, no form 525 or 526, from a position furnished by the field editor.

T-12285

COMPILATION RECORD

COMPLETION DATE

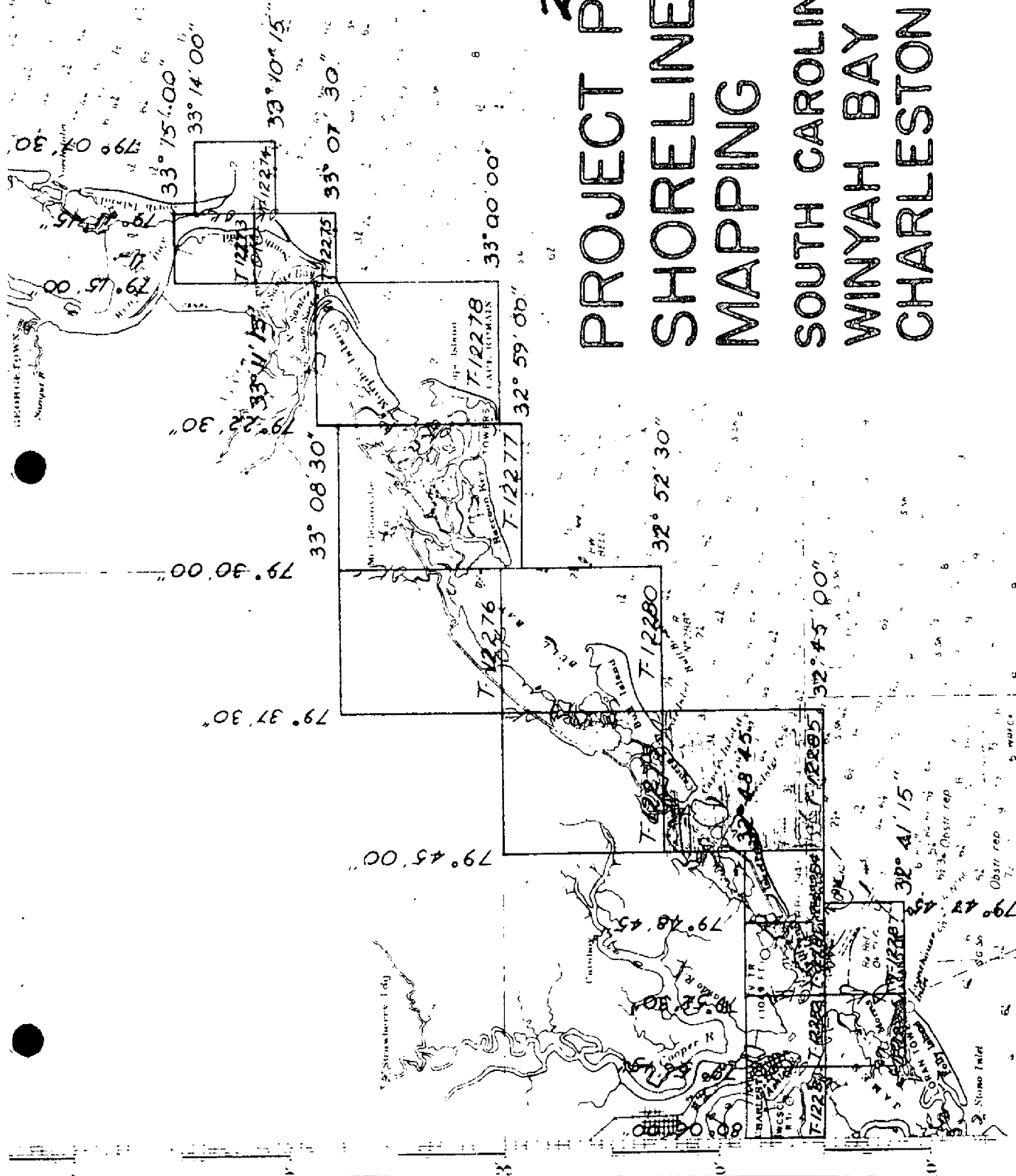
REMARKS

Compilation complete pending field edit.	May 1963	Superseded
Alongshore area revised from field edit.	January 1964	



21058

5



6.

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-12285

Shoreline manuscript T-12285 is one of six 1:20,000 scale maps in Project 21058 (Winyah Bay to Charleston, South Carolina), which also contains nine 1:10,000 scale manuscripts. The sketch on page 5 of this report shows the position of this manuscript in the project.

This is a stereoscopic instrument project in advance of hydrographic surveys of the area. 1:30,000 scale panchromatic photographs were taken with the W and S cameras on September 1, 1962 and February 21, 1963. The stereo bridge was run and adjusted to field identified control in the Washington Office. Compilation was done with the Kelsh Plotter. 1:20,000 scale ratio prints were processed and provided for photo hydro support.

The field operations preceding compilation included field inspection and identification of control to be used in the stereo bridge. The manuscripts were later field edited in conjunction with photo hydro support.

The compilation manuscript was a vinylite sheet 7.5 minutes in latitude and longitude. The smooth manuscript was on cronaflex for review. One cronar positive and one cronar negative are furnished for registry and record after final review.

## FIELD INSPECTION REPORT

T-12285

Submitted with T-12277.



## AEROTRIANGULATION REPORT

T - 12285

Submitted with T-12283.

SCALE FACTOR

1 FT. # 3048008 METER COMPUTED BY: <i>J. Horneck</i>	DATE: <i>4-18-63</i>	CHECKED BY: <i>W. H. Slavery</i>	DATE: <i>4/18/63</i>	COMM-DC-57843
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COMPILATION REPORT FOR T-12279, T-12280 AND T-12285

31. DELINEATION

The Kelsh plotter was used.

The photographs and field inspections were satisfactory.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate.

The low-water and shoal lines were based from office interpretation of the photographs.

36. OFFSHORE DETAILS

The details have been shown as inspected.

37. LANDMARKS AND AIDS

Forms 567 were submitted to the Washington Office under the dates of April 26, 1963, December 10, 1963 and January 9, 1964.

see T-12280

see T-12279

38. CONTROL FOR FUTURE SURVEYS

There are no topographic or photo-hydro stations on these maps.

39. JUNCTIONS

Junctions have been made with maps as shown on the index. See page 5 of this report.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

T-12279 was compared with USGS quadrangle SEWEE BAY, S. C. dated 1959, scale 1:24,000

T-12280 was compared with USGS quadrangle BULL ISLAND, S.C. dated 1959, scale 1:24,000

T-12285 was compared with USGS quadrangle CAPERS INLET, S. C. dated 1959, scale 1:24,000

They are in fair agreement. The obvious shoreline differences occur in areas generally noted "subject to frequent changes."

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with charts 836 and 837, scale 1:40,000 2nd edition of March 19, 1962; and 1238, scale 1:80,000, 3rd edition August 13, 1943, revised October 29, 1962.

Some changes in shoreline were noted.

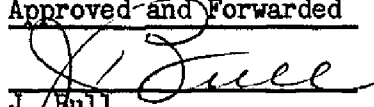
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

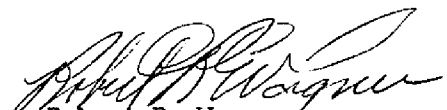
None.

ITEMS TO BE CARRIED FORWARD

None.

Approved and Forwarded

  
J. Bull  
Norfolk Regional Officer

  
Robert R. Wagner  
Cartographer (Photo.)

48. GEOGRAPHIC NAMES

The names are from the Final Name Sheet as prepared on the Capers Inlet quadrangle by the Geographic Names of the Washington Office.

ATLANTIC OCEAN

MARY ISLAND

MORGAN CREEK

BIG HILL MARSH

BULLYARD SOUND

\*OLD CAPERS BACK LANDING  
OLD HOUSE CREEK

CAPERS CREEK

CAPERS INLET

CAPERS ISLAND

CEDAR CREEK

COPAHEE SOUND

CRAB BANK

PALM BOULEVARD

PINE ISLAND

PRICE INLET

DEWEES CREEK

DEWEES INLET

DEWEES ISLAND

SANTÉE PASS

SEVEN REACHES

SOUTH CAROLINA

STATE 703

HORSEBEND CREEK

TOOMER CREEK

INTRACOASTAL WATERWAY

ISLE OF PALMS (ISLAND NAME)

ISLE OF PALMS (COMMUNITY)

ISLE OF PALMS PARK

WATERMELON CREEK

WHITESIDE CREEK

\*Name taken from nautical chart 837 and 837 SC

GEOGRAPHIC NAMES  
Ph 6216 (Winyah Bay - Charleston Harbor, S.C.)

T-12285 (Shoreline)

Atlantic Ocean  
Big Hill Marsh  
Bullyard Sound  
Cedar Creek  
Crab Bank  
Copahee Sound  
Capers Creek  
Capers Inlet  
Capers Island  
Deweese Creek  
Deweese Inlet  
Deweese Island  
Horsebend Creek  
*Intracoastal Waterway*  
Isle of Palms  
Isle of Palms  
Isle of Palms Park  
Old Capers Back Landing  
Old House Creek  
Palm Boulevard  
Price Inlet  
Pine Island  
Mary Island  
Morgan Creek  
Seven Reaches  
Santee Pass  
Toomer Creek  
Whiteside Creek  
Watermelon Creek

*A. J. Wraight*  
A. J. Wraight  
Geographic Names

T-12285

49. NOTES FOR THE HYDROGRAPHER

WINYAH BAY - CHARLESTON HARBOR Daybeacons 97 and 113 were located by one angle and distance. Verification of location has been requested of the field editor.



**STRIKE OUT TWO**

### NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Tampa District Office  
December 10 1963

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

The positions given have been checked after listing by

ing by J. Honick

**V. Ralph Sobieralski** *Chicago 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**

**NONREACTING/AMPS/OR LANDMARKS FOR CHARTS**

TO BE CHARTED  
~~THESE THESE~~  
~~THAT THE THESE~~ } STRIKE OUT TWO

Tampa District Office

December 10, 1963

I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on ~~(attached forms)~~ the charts indicated.

The positions given have been checked after listing by

*J. Honick*  
J. Honick

**V. Ralph Sobleralski**

Chief of Party

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.7, Sec. 1-55, 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.

\* LATE SECONDS AND METERS

USCGC 16234-P

15

C&GS FORM 1002 (11-13-61)		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW			
50		T-12285	
1. PROJECTION AND GRIDS  RRW	2. TITLE  WHS 4a Classification Label <u>unclassified</u>	3. MANUSCRIPT NUMBERS  RRW	4. MANUSCRIPT SIZE  RRW
<b>CONTROL STATIONS</b>			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY  RRW	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)  XX		7. PHOTO HYDRO STATIONS  XX
8. BENCH MARKS  RRW	9. PLOTTING OF SEXTANT FIXES  VPC	10. PHOTOGRAMMETRIC PLOT REPORT  BRIDGE (W.O.)	11. DETAIL POINTS  KELSH
<b>ALONGSHORE AREAS (Nautical Chart Data)</b>			
12. SHORELINE  RRW	13. LOW-WATER LINE  RRW	14. ROCKS, SHOALS, ETC.  RRW	15. BRIDGES  XX
16. AIDS TO NAVIGATION  RRW	17. LANDMARKS  RRW	18. OTHER ALONGSHORE PHYSICAL FEATURES  RRW	19. OTHER ALONGSHORE CULTURAL FEATURES  RRW
<b>PHYSICAL FEATURES</b>			
20. WATER FEATURES  RRW		21. NATURAL GROUND COVER  RRW	22. PLANETABLE CONTOURS  XX
23. STEREOSCOPIC INSTRUMENT CONTOURS  XX	24. CONTOURS IN GENERAL  XX	25. SPOT ELEVATIONS  XX	26. OTHER PHYSICAL FEATURES  RRW
<b>CULTURAL FEATURES</b>			
27. ROADS  RRW	28. BUILDINGS  RRW	29. RAILROADS  XX	30. OTHER CULTURAL FEATURES  RRW
<b>BOUNDARIES</b>			
31. BOUNDARY LINES  RRW		32. PUBLIC LAND LINES  XX	
<b>MISCELLANEOUS</b>			
33. GEOGRAPHIC NAMES  RRW		34. JUNCTIONS  WHS	35. LEGIBILITY OF THE MANUSCRIPT  RRW
36. DISCREPANCY OVERLAY  XX	37. DESCRIPTIVE REPORT  MMS	38. FIELD INSPECTION PHOTOGRAPHS  RRW	39. FORMS  RRW
40. REVIEWER <i>R. R. Wagner</i> R. R. Wagner		SUPERVISOR, REVIEW SECTION OR UNIT <i>M. M. Slavney</i> M. M. Slavney	
41. REMARKS (See attached sheet)			
<b>FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT</b>			
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>M. M. S.</i> <i>for</i> R. D. Purvis		SUPERVISOR <i>M. M. Slavney</i> M. M. Slavney	
43. REMARKS			

FIELD EDIT REPORTT-12285

No Field Edit Report was forwarded.

Questions referred to the field editor on the ozalid Discrepancy Print were answered by the field editor in November 1963.

The plane coordinates of triangulation station RUSH, 1963 were furnished by the field editor on the Discrepancy Ozalid; no form 525 or 526 were furnished.

*M. M. S.*  
M. M. S.

REVIEW REPORT T-12285  
SHORELINE  
JULY 1965

61. GENERAL STATEMENT

See summary accompanying Descriptive Report (page 6)

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-5392	1:10,000 scale	1934
T-5394	"	1934

An ozalid comparison print of T-12285 is submitted with the differences noted:

The Atlantic shoreline of Capers Island and Dewees Island has undergone changes in position up to 450 meters. The eastern end of Isle of Palms has also undergone large changes that diminish west of longitude  $79^{\circ} 44'$ .

The Intracoastal Waterway, in the "cut" portions, has been widened by more than 60 meters in some areas.

The large inlet on Dewees Island has changed in size and a dike has converted about 2/3rds of it into a pond.

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

63. COMPARISON WITH MAPS OF OTHER AGENCIES

CAPERS INLET, SOUTH CAROLINA, U.S.G.S. 1:24,000 1959

Large shoreline changes are evident along the Atlantic Ocean and at Capers Inlet and Dewees Inlet.

On Dewees Island most of the inlet near longitude  $79^{\circ} 42'.4$  has been made into a pond by the dike built near latitude  $32^{\circ} 50'.7$ .

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Boat Sheets:	PE 20-3-63	1:20,000	No date
	PE 20-1-64A	"	"

The boat sheets are in agreement with this survey, with minor shoreline variations.

18.

The wreck noted in Item 65, is on Boat Sheet PE 20-3-63.

65. COMPARISON WITH NAUTICAL CHARTS

Chart 837 SC, 1:40,000, 1st edition corrected thru Notice to Mariners No. 40 of October 3, 1964.

Chart 1238, 1:80,000, 4th edition, May 10, 1965 was used for the area not covered by 837 SC.

The wreck on Chart 1238 near latitude  $32^{\circ} 48.8'$ , longitude  $79^{\circ} 42.6'$  was not identified during field inspection, and could not be seen on the photographs. The field editor stated the hydrographer had found it and would locate it. It appears on boat sheet PE 20-3-63 "awash" at latitude  $32^{\circ} 48.84'$  longitude  $79^{\circ} 42.62'$ .


The pond on Dewees Island, some widening of the Intracoastal Waterway north of Toomer Creek, and some shoreline changes comprise the other differences.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

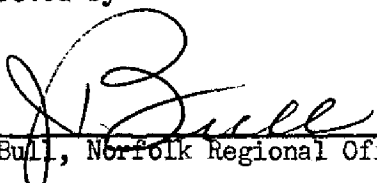
This survey complies with the instructions and meets the National Standards of Map Accuracy.

No items are noted for future surveys.


Reviewed by

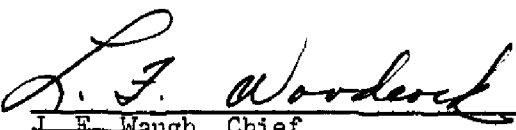
  
M. M. Slavney

Approved by

  
J. Bull, Norfolk Regional Officer

Approved by

  
Charles Theurer, Chief, Cartographic Branch  
Photogrammetric

  
J. E. Waugh, Chief  
Photogrammetry Division

Chief, Chart Division

Chief, Operations Division

NOTES TO VERIFIER  
T-12285 Project 21050 (Ph-6216)  
BOAT SHEET No. PE 20-3-63 & PE 20-1-64A

The boat sheets are generally in agreement with this survey.

The wreck on Chart 1238 near latitude  $32^{\circ} 48.8'$  longitude  $79^{\circ} 42.6'$  was reported by the field editor to have been found by the hydrographer. It appears on Boat Sheet PE 20-3-63.