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T-12611

T-12611

T-12611

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE (Photogrammetric)
Field No.	Office No. T-12611
LOCALITY	
State	SOUTH CAROLINA
General locality	CHARLESTON TO SAVANNAH
Locality	SEABROOK ISLAND
19 64-65	
CHIEF OF PARTY	
J. K. Wilson, Chief Photo Party 6420	
J. Bull, Director, Atlantic Marine Center	
LIBRARY & ARCHIVES	
DATE	

5/17/67 chart 837-5C Part applied after V. + R. ~~original~~ CHB/mk

6/14/67 chart 792 Fully app after V + R. ~~note~~

1/30/68 CAT 1239 Part app after V + R ~~note~~

12/4/68 - 292 - Part Appd. after V. + R. ~~BT~~ BT

DESCRIPTIVE REPORT - DATA RECORD

T -12611

PROJECT NO. (II):

21420 Job PH-6407

FIELD OFFICE (II):

Georgetown, 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):

29 April 1964 Field
18 Sept. 1964 Office
22 Dec. 1964 Office - Amendment #1

METHOD OF COMPILATION (III):

Kelsh

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

MEAN SEASIDE 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 (II):

HALEY 1933 ✓

LAT.:

32° 35' 51."715 (1593.0m) ✓

LONG.:

80° 11' 49."288 (1285.3m) ✓

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

Y = 279,030.55 ft. ✓

X = 2,247,299.46 ft. ✓

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.

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (III): Robert S. Tibbetts		DATE: Oct.-Nov. 1964
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air photo compilation Date of photography May 8, 1964		
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree		DATE Nov. 1964
PROJECTION AND GRIDS CHECKED BY (IV): P. Hawkins		DATE Nov. 1964
CONTROL PLOTTED BY (III): A. Santillan		DATE Jan. 1965
CONTROL CHECKED BY (III): H. Cordell		DATE Jan. 1965
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): L. Fritz J. T. Gerlach (ws.c.)		DATE no date
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY L. Sullivan	DATE Jan. 1965
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): L. Sullivan		DATE Feb. 1965
SCRIBING BY (III): A. Santillan		DATE April 1966
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. E. Smith		DATE April 1966
REMARKS: Field Edit J. A. Brothers July 1965		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

S Camera

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
64 S 1194	May 8, 1964	0922	1:30,000	0.1
1195	"	0923	"	"
1196	"	0923	"	"
1197	"	0924	"	"
1198	"	0924	"	"
1199	"	0925	"	"
1213	"	0934	"	EDISTO BEACH 0.0 NORTH EDISTO RIVER 0.6
1214	"	0935	"	"
1215	"	0935	"	"
1216	"	0936	"	"
1217	"	0936	"	"
1218	"	0937	"	"

TIDE (III)

Predicted

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: SAVANNAH RIVER ENTRANCE, GA. CHARLESTON, S.C.		6.9 5.2	8.1 6.1
SUBORDINATE STATION: EDISTO BEACH, EDISTO ISLAND, S.C.		5.9	6.9
SUBORDINATE STATION: (NORTH EDISTO RIVER) Rockville, Bohicket Creek, S.C.		5.8	6.8

WASHINGTON OFFICE REVIEW BY (IV):

FINAL
M.M. SLAVNEY, Atlantic Mar Center

DATE:

May, 1966

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

16

RECOVERED:

14

IDENTIFIED:

1

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

3

RECOVERED:

3

IDENTIFIED

0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

None

REMARKS:

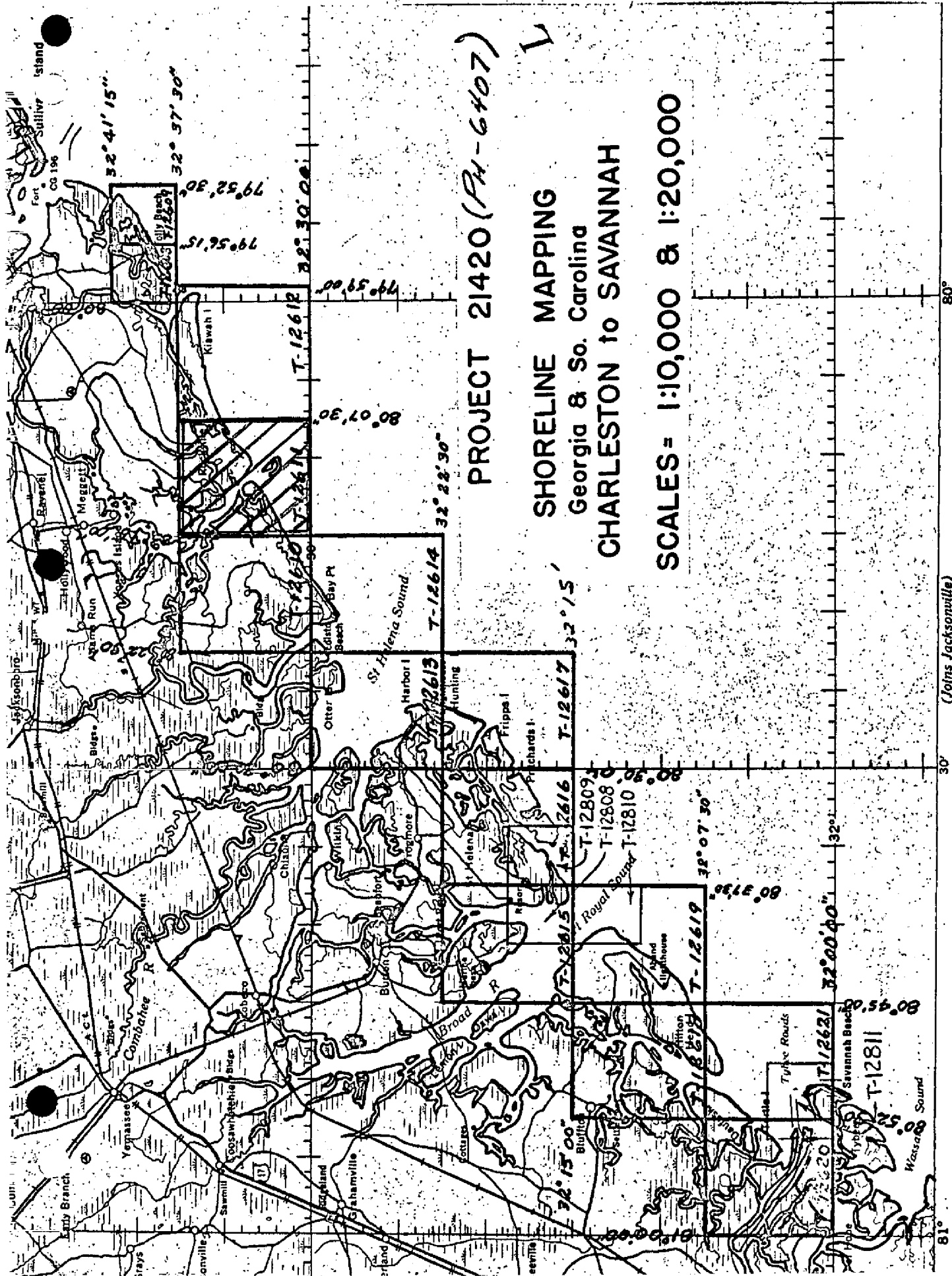
T-11611

COMPILATION RECORD

COMPILATION DATE

REMARKS

Alongshore area for hydro	Feb. 1965	<i>Superseded</i>
Field Edit Applied Manuscript Complete	July 1965	



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12611

Shoreline manuscript T-12611 is one of twelve 1:20,000 scale manuscripts in PH-6407 (Charleston to Savannah, Ga.) which also contains six 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 stereo-instrument project in advance of hydrographic surveys of the area. All the photographs for T-12611 are panchromatic at 1:30,000 scale, taken with the "S" Camera on May 8, 1964. The stereobridge was run and adjusted to field identified control in the Washington Office. Compilation was done with the Kelsh Plotter. Ratio prints, at 1:20,000 scale were processed, and provided for photo-hydro support.

Field work preceding compilation consisted of control identification and field inspection was provided for compilation. The manuscript was field edited in July 1965.

The compilation manuscript was a vinylite sheet 7 minutes, 30 seconds in latitude, and 7 minutes 30 seconds in 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
Project 21420 (Part 1)
South Carolina

For data pertaining to this Map see field inspection report filed
under Map T-12608.

11 November 1964
Submitted by:

Joseph K. Wilson
Chief, Photo Party 6420

MAP T. 12611

PROJECT NO. 21420

SCALE OF MAP 1:20,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N. A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
HICKET, 1963		N.A. 1927	274,563.96 2,242,795.89	✓			
NORTH EDISTO RIVER ENTRANCE RANGE	P.C. S P. 111	"	273,409.65 2,243,847.00	✓			
FRONT LIGHT, 1954	GP 307	"	275,405.75 2,268,033.63	✓			
KIAWAH 2, 1963		"	277,175.99 2,263,195.54	✓			
ANDELL, 1933	GP II p. 61 PC S p. 26 DESC 203 p. 98	"	268,352.18 2,247,116.36	✓			
EDISTO, 1913	GP II p. 67 PC S p. 28 DESC. 203 p. 113	"	263,156.75 2,238,426.25	✓			
EDISTO ISLAND EAST BASE 1849	GP II p. 57 PC S p. 24 DESC. 221 p. 92, 93	"	32° 32' 02.703" 80° 14' 34.016"	✓			
FRAMP, 1963	PHOTOSTATS #10	"	83.3 (1764.9) ✓ 887.7 (678.1) ✓	✓			
HALEY, 1933	GP II p. 57 PC S p. 24 DESC 203 p. 78	"	279,030.55 2,247,299.46	✓			
HALEY RM 3, 1963	PHOTOSTATS #9	"	32° 35' 52.134" 80° 11' 49.794"	✓			
HORSE, 1933	GP II p. 67 PC S p. 28 DESC 208 p. 92	"	275,141.47 2,246,085.56	✓			
NORTH EDISTO RIVER RANGE REAR LIGHT 1954	PC S p. 111 GP 307	"	275,781.16 2,241,433.62	✓			
POINT FARM 1933	GP II p. 57 PC S p. 24 DESC 203 p. 73	"	286,712.19 2,237,606.87	✓			

1 FT. = 3048006 METER
COMPUTED BY: BLB

DATE 2-1-65

CHECKED BY: B.H. Barnes

DATE 2-1-65

SCALE FACTOR

[illegible]

DATE 2-1-65

COMPILATION REPORT
T-12611

The Aerotriangulation Report is submitted with T-12608.

31. DELINEATION

The Kelsh Plotter was used. Field inspection and photography were adequate.

32. CONTROL

See Aerotriangulation Report.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage was delineated from field inspection and office interpretation.

35. SHORELINE AND ALONGSHORE DETAILS

Field inspection was adequate. Low water and shoal lines were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

One wreck is located on Deveaux Bank at the mouth of the North Edisto River.

37. LANDMARKS AND AIDS

Appropriate copies of form 567 for aids to navigation were forwarded to the Washington Office under date April 15, 1966.

37. LANDMARKS AND AIDS (Cont.)

There are no landmarks.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Junctions have been made with T-12616 to the east and T-12610 to the west. The Atlantic Ocean is to the south and there is no contemporary survey to the north.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

Comparison with U.S.G.S. quadrangle, Wadmalaw Island, S.C. (N 3230-W8000/15), scale 1:62,500, 1919, reprinted 1944 was made.

The shoreline has receded. South Creek has split Edisto Island making an inlet named the Breakthrough. The shoreline of Captain Sams Inlet has changed.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with:

792; scale 1:40,000; Feb. 24, 1964, 3rd Edition
1239; scale 1:80,000; July 27, 1964, 6th Edition

The shoreline of Frampton Inlet has changed. The shoreline of Seabrook Island, ocean side, and Edisto Island between South Creek and the ocean have receded.

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, CAPT. USESSA
Director, Atlantic Marine Center

48. GEOGRAPHIC NAME LISTADAMS CREEK *Atlantic Ocean*

BLEAK HALL CREEK

BOHICKET CREEK

BOTANY BAY ISLAND

CAMP ST. CHRISTOPHER

CAPTAIN SAMS CREEK

CAPTAIN SAMS INLET

DEVEAUX BANK

EDISTO ISLAND

FIG ISLAND

FRAMPTON INLET

HORSE ISLAND

KIAWAH ISLAND

KIAWAH RIVER

KIAWAH ISLAND ROAD (Extend into this map from T12612, on which they are shown)

LONG ISLAND

NORTH EDISTO RIVER

OCELLA CREEK

POCKOY ISLAND

~~POINT OF PINES~~ *(Outside compilation limits)*

PRIVATEER CREEK

PRIVATEER POINT

SEABROOK ISLAND

SOUTH CREEK

THE BREAKTHROUGH

TOWNS^eAND RIVER

T-12611

49. NOTES FOR THE HYDROGRAPHER

None

GEOGRAPHIC NAMES
Ph 21420 (Wasmalaw Island, S.C.)
T-12611 (Shoreline)

Adams Creek	<i>Atlantic Ocean</i>	✓ South Creek
Bleak Hall Creek		✓ The Breakthrough
* Bloody Point		✓ Towns ^e and River
Bohicket Creek		
Botany Bay Island		
Camp St. Christopher		
Captain Sams Creek		
Captain Sams Inlet		
* Cherry Point	<i>DEVEAUX BANK **</i>	
Fig Island	<i>EDISTO ISLAND **</i>	
Frampton Inlet		
Horse Island		
* Jenkins Point	<i>KIAWAH ISLAND</i>	
Kiawah River	<i>KIAWAH ISLAND ROAD</i>	<i>(Extend into this map from T-12612, on which they are listed)</i>
* Leadenwah Creek	<i>LONG ISLAND **</i>	
North Edisto River		
* Oak Grove		
Ocella Creek		
Pockoy Island		
* Point Farm		
* Point of Pines	<i>PRIVATEER CREEK **</i>	
Privateer Point		<i>A. J. Wraight</i>
* Rockland		A. J. Wraight
* Rockville		Geographic Names
Seabrook Island		

** Outside compilation limits*
*** Underlined on Geo. Name Sheet*

FORM 182 -11		PHOTOGRAMMETRIC OFFICE REVIEW T-12611		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 (WO)	
	11. DETAIL POINTS WELSH				
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE RES	13. LOW-WATER LINE RES	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 XX	29. RAILROADS XX		
	30. OTHER CULTURAL FEATURES RES				
BOUNDARIES	31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX		
MISCEL- LANEOUS	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 RES <i>P.E. Smith</i>		SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT ACR <i>Albert C. Rauch, Jr.</i>		
40. 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 RES <i>P.E. Smith</i>		SIGNATURE OF SUPERVISOR ACR <i>Albert C. Rauch, Jr.</i>			

Field Edit Report submitted with T-12608.

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

STRIKE OUT TWO

APRIL 15 1966

I recommend that the following objects which have ~~three-not~~^{been} inspected from seaward to determine their value as landmarks be charted on ~~(detested from)~~ the charts indicated.

positions given have been checked after Listing by

R. E. Smith

I	Bull	Director	Atlantic Marine Center	Chief of Party.
---	------	----------	------------------------	-----------------

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 6-36, Fig. 79. Positions of charted landmarks and non-floating 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

REVIEW REPORT T-12611
SHORELINE
May, 1966

61. GENERAL STATEMENT

See summary accompanying Descriptive Report (page 6)

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-11125 N/2 and S/2, 1:10,000 scale, field edited June 1960,
Final Review June 1963.

The wreck at Lat. $32^{\circ} 33.10'$ Long. $80^{\circ} 11.14'$ on T-12611 is
not on T-11125. The changes in the shoreline and at DEVEAUX BANK
are to be expected in this area.

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

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Rockville, S.C., U.S.G.S., 1:24,000, 1960.

The surveys are in fair agreement; the same changes are noted
that are noted in Item 62.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There are no recent hydrographic surveys for this area.

65. COMPARISON WITH NAUTICAL CHARTS

Chart 792, 1:40,000 scale, 4th Edition of Feb. 14, 1966.

The wreck on T-12611, at Lat. $32^{\circ} 33.10'$, Long. $80^{\circ} 11.14'$
is not shown on the chart.

The changes in the shoreline and in DEVEAUX BANK are frequent.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

There are no items for future surveys.

Reviewed by:

M. M. Slavney
M. M. Slavney

Approved by:

J. Hollis
J. Hollis, CAPT., USN
Director, Atlantic Marine Center

Approved by:

Charles L. Leman
Chief, Cartographic Branch, MB

L. F. Woodward
Chief, Photogrammetry Division

Chief, Chart Division

Chief, Operations Division

NOTES TO VERIFIER
T-12611 Project 21420 (PH-6407)

None--no contemporary hydrographic survey.

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF COMMERCE

U. S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY
WASHINGTON, D. C. 20235

OFFICIAL BUSINESS

12/12/78 ckt. 8525(16710)

Fully applied to chart
See History D.J. Rinnm

66. ADQUACY OF RESULTS AND FUTURE SURVEYS

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

There are no recommendations for future surveys.

Reviewed by:

Leo P. Rinnm

Approved by:

J. Ball, WDM
Director, Atlantic Marine Center

Approved by:

Chief, Photogrammetric Branch

Chief, Photogrammetry Division

Chief, Nautical Chart Division