

T-12610

T-12610

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Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE (Photogrammetric)
Field No.	Office No. T-12610
LOCALITY	
State	SOUTH CAROLINA
General locality	CHARLESTON TO SAVANNAH
Locality	EDINGSVILLE BEACH
19 64-65	
CHIEF OF PARTY	
J. K. Wilson, Chief of Photo Party 6420	
J. C. Bull, Director, Atlantic Marine Center	
LIBRARY & ARCHIVES	
DATE	

5/17/67 Chart 837 SC - Part applied after Court Review GHB/m.R

6/14/67 Chart 793 Truly app after V. & R. ~~under~~

1/29/68 Chart 1239 Part app after V. & R. ~~under~~
app third chart 793

12/4/68 792 - Part. Appd. after U. & R. 3+

12-17-74 1239 Adequately Applied - NO CORR. EMB

DESCRIPTIVE REPORT - DATA RECORD

T-12610

PROJECT NO. (II): Job PH- 21420 6407		
FIELD OFFICE (II): Georgetown, S.C.		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): April 23, 1964 Field September 28, 1964 Office December 22, 1964 Office Amendment No. 11		
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 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): EDISTO ISLAND, WEST BASE, 1849 ✓		
LAT.: 32° 30' 28".302 (871.8m) ✓	LONG.: 80° 19' 34".832 (909.2m) ✓	☒ ADJUSTED ☐ UNADJUSTED
PLANE COORDINATES (IV): Y = 246,068.28 FT. ✓ X = 2,207,682.22 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 (WO)		DATE Nov. 1964
PROJECTION AND GRIDS CHECKED BY (IV): P. Hawkins (WO)		DATE Nov. 1964
CONTROL PLOTTED BY (III): A. Santillan		DATE Jan. 1965
CONTROL CHECKED BY (III): B. Barge		DATE Jan. 1965
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): Lawrence Fritz John T. Gerlach (WO)		DATE No date
STEREOSCOPIC INSTRUMENT COMPILATION (III):		DATE
PLANIMETRY R. J. Pate Reviewed by: R. E. Smith		Jan. 1965
CONTOURS NA . Inapplicable		DATE
MANUSCRIPT DELINEATED BY (III): R. E. Smith		DATE Jan. 1964
SCRIBING BY (III): B. Barge		DATE April 1965
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. J. Pate		DATE April 1965
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 1208	May 8, 1964	0931	1:30,000	N. EDISTO R.	EDISTO BEACH
1209	"	0932	"		0.1
1210	"	0932	"		.0.1
1211	"	0933	"		0.0
1212	"	0933	"		0.0
1213	"	0934	"		0.0
1214	"	0934	"	0.6	0.0

TIDE (III) Predicted

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: CHARLESTON, SOUTH CAROLINA (1)		5.2	6.1
SAVANNAH RIVER ENTRANCE, GA. (2)		6.9	8.1
SUBORDINATE STATION: ROCKVILLE, BOHICKET CREEK, S.C. (1) (North Edisto River)		5.8	6.9
SUBORDINATE STATION: EDISTO BEACH, EDISTO ISLAND, S.C. (2)		5.9	6.9

WASHINGTON OFFICE REVIEW BY (IV):

FINAL

N. M. SLAVNEY, Atlantic Marine Center

DATE:

JUNE 1966

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	28	RECOVERED:	11	IDENTIFIED:	0
NUMBER OF BM(S) SEARCHED FOR (II):	7	RECOVERED:	4	IDENTIFIED:	0
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):					
None					
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):					
None					

REMARKS:

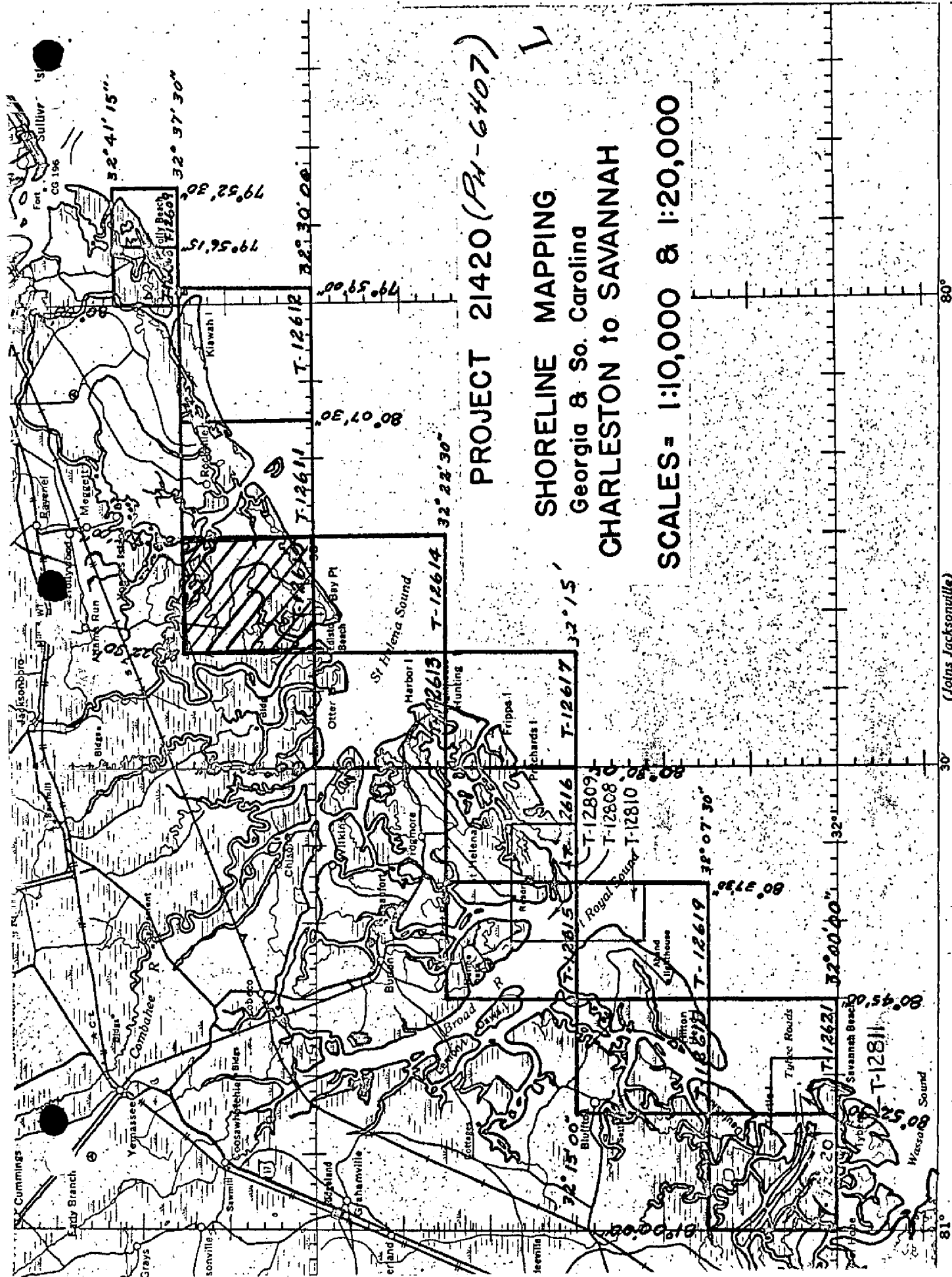
T-12610

COMPILATION RECORD

COMPILATION DATE

REMARKS

Compilation complete pending field edit	June 1965	Superseded
Field edit applied manuscript Complete	July 1965	



PROJECT 21420 (PH-6407)

SHORELINE MAPPING

Georgia & So. Carolina
CHARLESTON to SAVANNAH

SCALES= 1:10,000 & 1:20,000

(Joins Jacksonville)

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12610

Shoreline manuscript T-12610 is one of twelve 1:20,000 scale manuscripts in PH-6407 (Charleston, S.C. 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-12610 are panchromatic taken May 8, 1964 at 1:30,000 scale. The stereo-bridge 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. 12610

PROJECT NO. 21420

SCALE OF MAP 1:20,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR χ -COORDINATE	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)
SOUTH 2, 1933	GP II p. 89 PC S p. 35 Desc 203, p. 51		214,192.71 ✓ 2,196,424.18 ✓				
EDING, 1963	CONTROL FOR BRIDGING DATA		251,047.68 ✓ 2,224,349.74 ✓				
EDISTO BEACH STATE PARK WATER TANK 1963 (IDMK) 95 (105)	"		247,430.62 ✓ 2,215,997.65 ✓				
BANK, 1933	GP II p. 86 PC S p. 34 Desc 203 p. 65		277,791.22 ✓ 2,229,768.24 ✓				
DAWHO RIVER, LIGHT NO. 115, 1963	Photo- Stats #15	LAT LONG	32° 37' 06.360" ✓ 80 17 19.982" ✓	195.9 (1652.3) ✓ 521.0 (1043.3) ✓			
DISTO, 1933	GP II p. 87 PC S p. 35 Desc 203, 95		245,567.65 ✓ 2,195,777.18 ✓				
EDING 1963	Photo- stats #10	LAT LONG	32° 31' 16.475" ✓ 80 16 19.804" ✓	507.47 (1340.70) ✓ 516.90 (1049.07) ✓			
EDISTO ISLAND WEST BASE, 1849	GP p. 57 PC S p. 24 Desc 203, p. 93		246,068.28 ✓ 2,207,682.22 ✓				
GRANDE 1963	Photo- Stats #9	LAT LONG	32° 35' 46.272" ✓ 80 15 13.416" ✓	1425.36 (422.87) ✓ 349.9 (1214.9) ✓			
MURRY RM 5, 1963	" #8	LAT LONG	32 34 42.171 ✓ 80 17 50.063 ✓	1299.0 (549.2) ✓ 1305.8 (259.1) ✓			
PAVILION, 1963	" #10	LAT LONG	32 30 16.744 ✓ 80 17 40.712 ✓	515.8 (1332.4) ✓ 1062.7 (503.5) ✓			
PIERRE, 1933	GP p. 89 PC S p. 35 Desc 203, 140		248,786.88 ✓ 2,197,902.95 ✓				

1 FT. = 3048006 METER
COMPUTED BY:

B.L. Barge

DATE

1-29-64

CHECKED BY:

BLB

DATE

2-26-65

COMM - DC - 57843

8

12610

MAP T-

PROJECT NO.

SCALE OF MAP

SCALE FACTOR

[illegible]

1 FT. = 3048006 METER
BLBarge
COMPUTED BY:

DATE 1-29-64

CHECKED BY: BHBarnes

DATE 2-26-65

COMM-DC-57843

COMPILATION REPORT
T-12610

The aerotriangulation bridge was run in the Washington Office and the report is submitted with T-12608.

31. DELINEATION

The Kelsh plotter was used. Field inspection was adequate. Photography was satisfactory.

32. CONTROL

See Aerotriangulation Report (with T-12608)

33. SUPPLEMENTAL DATA

None

34. CONTOURS & DRAINAGE

Contours are inapplicable.

Drainage was delineated from office interpretation.

35. SHORELINE & ALONGSHORE DETAILS

The shoreline inspection was adequate and was delineated accordingly. Low water and shoal lines were delineated from office interpretation.

36. OFFSHORE DETAIL

None

37. LANDMARKS & AIDS

Appropriate copies of Form 567 for landmarks were forwarded to the Washington Office under date April 15, 1966.

There are no nonfloating aids.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Junctions have been made with T-12611 to the East and T-12614 to the south. There is no contemporary survey to the north and west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

Comparison was made with USGS quadrangle Edisto Island, S.C. scale 1:62,500 Edition of 1919.

The area mapped is in fair agreement.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with USC&GS chart number 792 scale 1:40,000 revised Feb. 24, 1964.

The area mapped is in fair agreement.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Approved and forwarded:

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

K. Boyle

K. Boyle
Cartographic Technician

48. GEOGRAPHIC NAME LIST

ATLANTIC OCEAN

BAILEY ISLAND

BIG BAY CREEK

EDINGSVILLE BEACH

EDISTO BEACH

EDISTO ISLAND

MUD CREEK

JEREMY INLET

20 m 8.

OLD PUBLIC LANDING -

PINE ISLAND

SAINT PIERRE CREEK

SOUTH EDISTO RIVER

THE MOUND

THE NECK

✓

GEOGRAPHIC NAMES

Ph 21420 (Edisto Island, S.C.)

T-12610 (Shoreline)

ATLANTIC OCEAN.

* Bailey Creek *Bailey Island ***

Big Bay Creek

Edingsville Beach

Edisto Beach

Edisto Island

Fishing Creek

Freedman Village

Little Edisto

Little Edisto Island

Long Creek

Mud Creek

Jeremy Inlet (added from Naut Chart sk'd by A.V.W.)
M.M.S.

North Creek

North Edisto River

Old Public Landing

Peters Point

Rabbits Point

Russett Creek

St. Pierre Creek

Scanawah Island

Shingle Creek

Steamboat Landing

Steamboat Creek

Store Creek

The Neck

Wasmalaw Point

White Point

*Pine Island ***

*South Edisto River ***

*The Mound ***

** Outside compilation limits*

*** Underlined on Geo. Name Quad.*

A. J. Wraight

A. J. Wraight

Geographic Names

T-12610

49. NOTES FOR THE HYDROGRAPHER

None

PHOTOGRAMMETRIC OFFICE REVIEW

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

T. 12610

1. PROJECTION AND GRIDS RJP	2. TITLE RJP	3. MANUSCRIPT NUMBERS RJP	4. MANUSCRIPT SIZE RJP
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY RJP		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 KELSH		
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE RJP	13. LOW-WATER LINE RJP	14. ROCKS, SHOALS, ETC. XX
	15. BRIDGES XX		
	16. AIDS TO NAVIGATION XX	17. LANDMARKS RJP	18. OTHER ALONGSHORE PHYSICAL FEATURES RJP
	19. OTHER ALONGSHORE CULTURAL FEATURES RJP		
PHYSICAL FEATURES	20. WATER FEATURES RJP		21. NATURAL GROUND COVER RJP
	22. PLANETABLE CONTOURS XXX		23. STEREOSCOPIC INSTRUMENT CONTOURS XX
	24. CONTOURS IN GENERAL XX		25. SPOT ELEVATIONS XX
	26. OTHER PHYSICAL FEATURES RJP		
CULTURAL FEATURES	27. ROADS RJP	28. BUILDINGS RJP	29. RAILROADS XX
	30. OTHER CULTURAL FEATURES RJP		
BOUNDARIES	31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX
MISCEL- LANEOUS	33. GEOGRAPHIC NAMES RJP		34. JUNCTIONS RJP
	35. LEGIBILITY OF THE MANUSCRIPT RJP	36. DISCREPANCY OVERLAY XX	37. DESCRIPTIVE REPORT RJP
	38. FIELD INSPECTION PHOTOGRAPHS RJP		39. FORMS RJP
	SIGNATURE OF REVIEWER RJP <i>R.F. Pate</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>	

USE REVERSE SIDE FOR REMARKS

USCG-DC 28382-P81

Field Edit Report submitted with T-12608.

NONTECHNICAL AIDS-OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE REVISED~~
 TO BE DELETED

STRIKE OUT TWO

APRIL 15 1966

I recommend that the following objects which have *(sized-not)* been inspected from seaward to determine their value as landmarks be charted on *(insert-from)* the charts indicated.

The positions given have been checked after listing by

R. J. Pate

J. 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

DISCOMM-DC 25412-PO

REVIEW REPORT T-12610
SHORELINE
June 1966

61. GENERAL STATEMENT

See summary accompanying Descriptive Report (page 6)

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-11124 S/2, 1:10,000 scale, field edited July 1960, final review June 1963.

The surveys are generally in agreement.

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

63. COMPARISON WITH MAPS OF OTHER AGENCIES

EDISTO ISLAND, S. C., U.S.G.S., 1:24,000, 1960.

The surveys are generally in agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There are no contemporary hydrographic surveys in this area.

65. COMPARISON WITH NAUTICAL CHARTS

Chart 793, 1:40,000 scale, 2nd edition of December 28, 1964.

The chart and this survey are generally in agreement. A "boat basin" Lat. 32°30.0' Long. 80° 18.6' south of Scott Creek, could be shown on the chart.

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

Approved by:

Charles H. Hauer
Chief, Cartographic Branch, JCS.

Chief, Chart Division

L. F. Woodward
Chief, Photogrammetry Division

Chief, Operations Division

NOTES TO VERIFIER
T-12610 Project 21420 (PH-6407)

None--no contemporary hydrographic survey.

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

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF COMMERCE