

Orig

# T-12612

T-12612

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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-12612
LOCALITY	
State	SOUTH CAROLINA
General locality	CHARLESTON TO SAVANNAH
Locality	SANDY POINT
19 64-65	
CHIEF OF PARTY	
J. K. Wilson, Chief, Photo Party 6420	
J. Bull, Director, Atlantic Marine Center	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

## DESCRIPTIVE REPORT - DATA RECORD

T -12612

PROJECT NO. (II):

21420 Job PH 6407

FIELD OFFICE (III):

Beaufort, 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):

April 23, 1964 Field  
Sept. 28, 1964 Office  
Dec. 22, 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 SEA 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 (III):

SCOTT 1933 ✓

LAT.:

32° 36' 32."290 (994.7m) ✓

LONG.:

80° 06' 19."869 (518.0m) ✓

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y = 283,358.19 ft. ✓

X = 2,275,445.64 ft. ✓

South Carolina

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 (II):  Robert S. Tibbetts		DATE:  Oct. - Nov. 1964	
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):  Air photo compilation Date of photography 8 May 1964.			
PROJECTION AND GRIDS RULED BY (IV):  A. E. Roundtree		DATE  Nov. 17, 1964	
PROJECTION AND GRIDS CHECKED BY (IV):  P. Hawkins		DATE  Nov. 17, 1964	
CONTROL PLOTTED BY (III):  L. Neterer		DATE  Dec. 18, 1964	
CONTROL CHECKED BY (III):  C. Blood		DATE  Dec. 18, 1964	
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): L. Fritz J.T. Gerlach (WSC)		DATE  Not dated	
STEREOSCOPIC INSTRUMENT COMPILATION (III):		PLANIMETRY L. Neterer Checked; R. Pate and A. Rauck	DATE  Jan. 19, 1965
		CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III):  L. Neterer		DATE  Feb. 1965	
SCRIBING BY (III):  A. Santillan		DATE  March 1966	
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):  R. J. Pate		DATE  April 1966	
REMARKS: Field Edit! J.R. Brothers July, 1965			



## DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

Camera S

## PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
64 S 1189	May 8, 1964	0920	1:30,000	FOLLY RIVER FOLLY ISLAND, BELOW BRIDGE (OUTER COAST) 0.5 0.3
1190	"	0920	"	0.5 0.3
1191	"	0921	"	0.5 0.3
1192	"	0921	"	0.5 0.3
1193	"	0922	"	0.5 0.3
1218	"	0937	"	0.0 0.6
1219	"	0937	"	0.0 0.6
1220	"	0938	"	0.0 0.6
1221	"	0938	"	0.0 0.6
1222	"	0939	"	0.3 0.3

TIDE (III) Predicted

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: CHARLESTON, SOUTH CAROLINA (1)		5.2	6.1
SAVANNAH RIVER ENTRANCE, GEORGIA (2)		6.9	8.1
SUBORDINATE STATION: FOLLY ISLAND (OUTER COAST) S.C. (1)		5.2	6.1
FOLLY RIVER (BELOW BRIDGE) S.C. (1)		5.4	6.4
(N. EDISTO R.) SUBORDINATE STATION: ROCKVILLE, BOHICKET CREEK, S.C. (1)		5.8	6.8
EDISTO BEACH, EDISTO ISLAND, S.C. (2)		5.9	6.9

WASHINGTON OFFICE REVIEW BY (IV):

FINAL

M.M. SLAVNEY, Atlantic Mar. Center

DATE:

JUNE 1964

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	9	RECOVERED:	7	IDENTIFIED:	0
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:

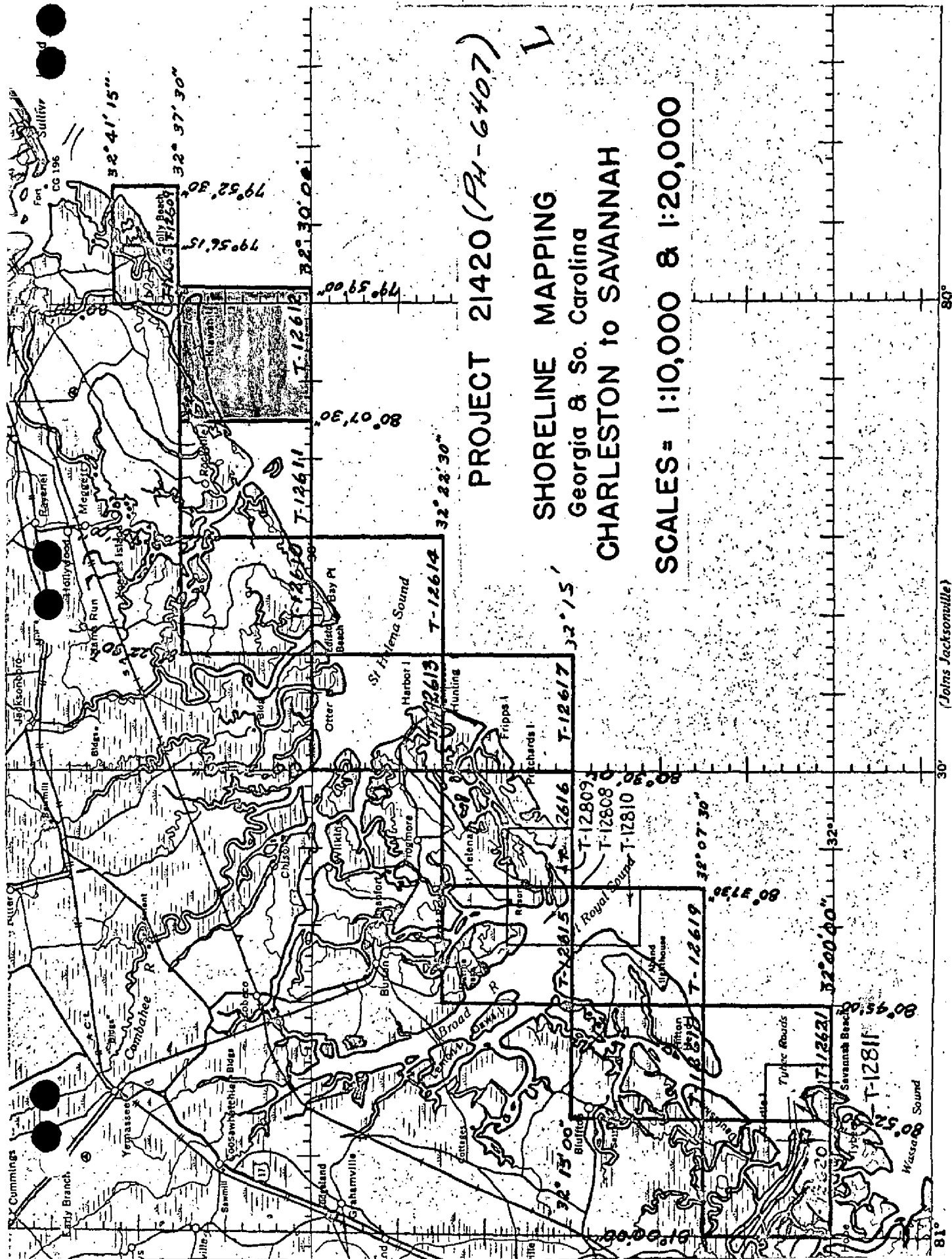
## COMPILATION RECORD

## COMPILATION DATE

## REMARKS

Manuscript complete pending field edit	Feb. 1965	Superseded
Alongshore area revised from field edit	Dec. 1965	
<del>Manuscript Complete</del>		





6.

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-12612

Shoreline manuscript T-12612 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-12612 are 1:30,000 scale panchromatic 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 conjunction with photo-hydro support.

The compilation manuscript was a vinylite sheet 7 minutes, 30 seconds in latitude, and 8 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.

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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





COMPILATION REPORT  
T-12612

AEROTRIANGULATION REPORT

Submitted with T-12608

31. DELINEATION

The Kelsh plotter was used.

Field inspection was adequate.

32. CONTROL

See Aerotriangulation 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.

The low water line was based on office interpretation.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

None

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39. JUNCTIONS

Junctions are in agreement for T-12611 to the west, and T-12608 to the north. The Atlantic Ocean is to the south and east.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. quadrangle Kiawah Island, S.C., dated 1959, scale 1:24,000 and found to be in good agreement.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with U.S.G.S. Chart No. 792, 3rd edition, dated Feb. 24, 1964, scale 1:40,000.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

*R. J. Pate*  
R. J. Pate  
Cartographic Tech.

Approved and forwarded

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



48. GEOGRAPHIC NAME LIST

\*ATLANTIC OCEAN

BASS CREEK

CINDER CREEK

CINDER POINT

EAGLE POINT

KIAWAH ISLAND

SANDY POINT

SANDY POINT SHOAL

STONO INLET

\* Note: Does not appear on A.S. Wright's name list



GEOGRAPHIC NAMES  
Ph 21420 (Kiawah Island, S.C.)  
T-12612 (Shoreline)

*Atlantic Ocean*

Bass Creek

Cinder Point

Eagle Point

- \* Haulover Creek

- \* Johns Island

- Kiawah Island

- \* Kiawah River

Sandy Point

\* \* Sandy Point Shoal

- \* Shullbred Point

Stono Inlet

\* *Beyond compilation limits*

\*\* *Feature not visible on photos, not shown on map T-12612*

*A. J. Wraight*

A. J. Wraight  
Geographic Names

T-12612

49- NOTES FOR THE HYDROGRAPHER

None.



C&GS FORM 1002 (11-13-61)		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
<b>PHOTOGRAMMETRIC OFFICE REVIEW</b> T-10363 T-12612			
1. PROJECTION AND GRIDS RJP	2. TITLE RJP	3. MANUSCRIPT NUMBERS RJP	4. MANUSCRIPT SIZE RJP
<b>CONTROL STATIONS</b>			
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
<b>ALONGSHORE AREAS (Nautical Chart Data)</b>			
12. SHORELINE RJP	13. LOW-WATER LINE RJP	14. ROCKS, SHOALS, ETC. RJP	15. BRIDGES XX
16. AIDS TO NAVIGATION XX	17. LANDMARKS XX	18. OTHER ALONGSHORE PHYSICAL FEATURES RJP	19. OTHER ALONGSHORE CULTURAL FEATURES RJP
<b>PHYSICAL FEATURES</b>			
20. WATER FEATURES RJP	21. NATURAL GROUND COVER RJP		22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES RJP
<b>CULTURAL FEATURES</b>			
27. ROADS RJP	28. BUILDINGS XX	29. RAILROADS XX	30. OTHER CULTURAL FEATURES XX
<b>BOUNDARIES</b>			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
<b>MISCELLANEOUS</b>			
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
40. REVIEWER RJP <i>RJP Pate</i>		SUPERVISOR, REVIEW SECTION OR UNIT ACR <i>Albert C. Rauch, 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 AS <i>Alberto Santillan</i>		SUPERVISOR ACR <i>Albert C. Rauch, Jr.</i>	
43. REMARKS			

Field Edit Report submitted with T-12608.

REVIEW REPORT T-12612  
SHORELINE  
May, 1966

61. GENERAL STATEMENT

See summary accompanying Descriptive Report (page 6)

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-11313, 1:10,000, 1957, final review February 1958.

T-11314, " " " " " "

There are changes in the shoreline of Sandy Point, which are expected. Excepting minor changes in ponds and the Atlantic shoreline, the surveys are in agreement.

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

63. COMPARISON WITH MAPS OF OTHER AGENCIES

KIAWAH ISLAND, S.C. 1:24,000, 1959, U.S.G.S.

There are some shoreline changes, mostly at Sandy Point, which are expected. There are minor changes in pond limits.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

BOAT SHEET 20-1-65, 1:20,000, no date.

Changes in the shoreline of Sandy Point (up to 30 meters) are from the field editors measurements in July 1965. The boat sheet shoreline was from the November 1964 field inspection.

65. COMPARISON WITH NAUTICAL CHARTS

CHART 792, 1:40,000, 4th Edition, February 14, 1966.

They are generally in agreement, the shoreline at Sandy Point appears to have been revised from Boat Sheet PE 20-1-65 or the 1964 photographs.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

These surveys comply with the instructions and meet the National Standards for Map Accuracy.

No items are noted for future surveys.



Reviewed by:

M. M. Slavney  
M. M. Slavney

Approved by:

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

Approved by:

Charles L. Leman  
Chief, Cartographic Branch

L. F. Woodcock  
Chief, Photogrammetry Division

Chief, Chart Division

Chief, Operations Division

NOTES TO VERIFIER

T-12612 Project 21420 (Ph - 6407)  
BOAT SHEET No. PE-20-1-65

None.

**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**