

12616

12616

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE (Photogrammetric)
Field No.	Office No. T-12616
LOCALITY	
State	SOUTH CAROLINA
General locality	CHARLESTON, S. C. TO SAVANNAH, GA.
Locality	TRENCHARDS INLET
1964-65	
CHIEF OF PARTY	
Joseph K. Wilson, Chief, Photo Party 6420	
Allen L. Powell, Director, A. M. C.	
LIBRARY & ARCHIVES	
DATE	

## DESCRIPTIVE REPORT - DATA RECORD

T -12616

PROJECT NO. (II):

Job PH-6407

FIELD OFFICE (III):

Beaufort, South Carolina

CHIEF OF PARTY

Joseph K. Wilson

PHOTOGRAMMETRIC OFFICE (III):

Atlantic Marine Center

OFFICER-IN-CHARGE

Allen L. Powell

Director, A. M. C.

INSTRUCTIONS DATED (III) (III):

23 April 1964 Field  
28 September 1964 Office  
22 December 1964 Office Amendment No. 1  
17 February 1971 Office(Final Review)

METHOD OF COMPILATION (III):

Kash

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):

MLW

~~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):

SIN 1933 ✓

LAT.:

LONG.:

32° 18' 52.113" (1605.2m) 80° 33' 22.138 (579.1m) ✓

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

175,337.29 ft. ✓

x = 2,137,132.23 ft. ✓

South Carolina ✓

South ✓

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (III) FIELD PARTY, (IIII) 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  
(3-66)U.S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): Robert S. Tibbetts Erwest W. Hartford Matthew A. Stewart		DATE: April 1964 June 1964 June 1964
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):  Air photo Compilation Date of photography: 13 March 1964		
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree (WO)		DATE Jan. 1965
PROJECTION AND GRIDS CHECKED BY (IV): P. Hawkins (WO)		DATE Jan. 1965
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 (WSC) J. T. Gerlach (WSC)		DATE no date
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY B. Wilson & L. Sullivan	DATE Aug. 1965
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): B. Barge		DATE Aug. 1965
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. E. Smith		DATE April 1966
REMARKS:		

## DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

W Camera

## PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
64 W 4279	March 13, 1964	0930	1:30,000	4.7
4280	"	0930	"	"
4281	"	0931	"	"
4282	"	0931	"	"
4283	"	0932	"	"

## TIDE (III)

Predicted

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: SAVANNAH RIVER ENTRANCE, GA.		6.9	8.1
COORDINATE STATION: FRIPPS INLET, HUNTING ISLAND, S.C.		6.2	7.3
SUBORDINATE STATION:			

Atlantic Marine Center  
WASHINGTON OFFICE REVIEW BY (IV):

C. H. Bishop

DATE:

June 8, 1971

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

16

RECOVERED:

13

IDENTIFIED:

2

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

7

RECOVERED:

7

IDENTIFIED:

2

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

None

REMARKS:

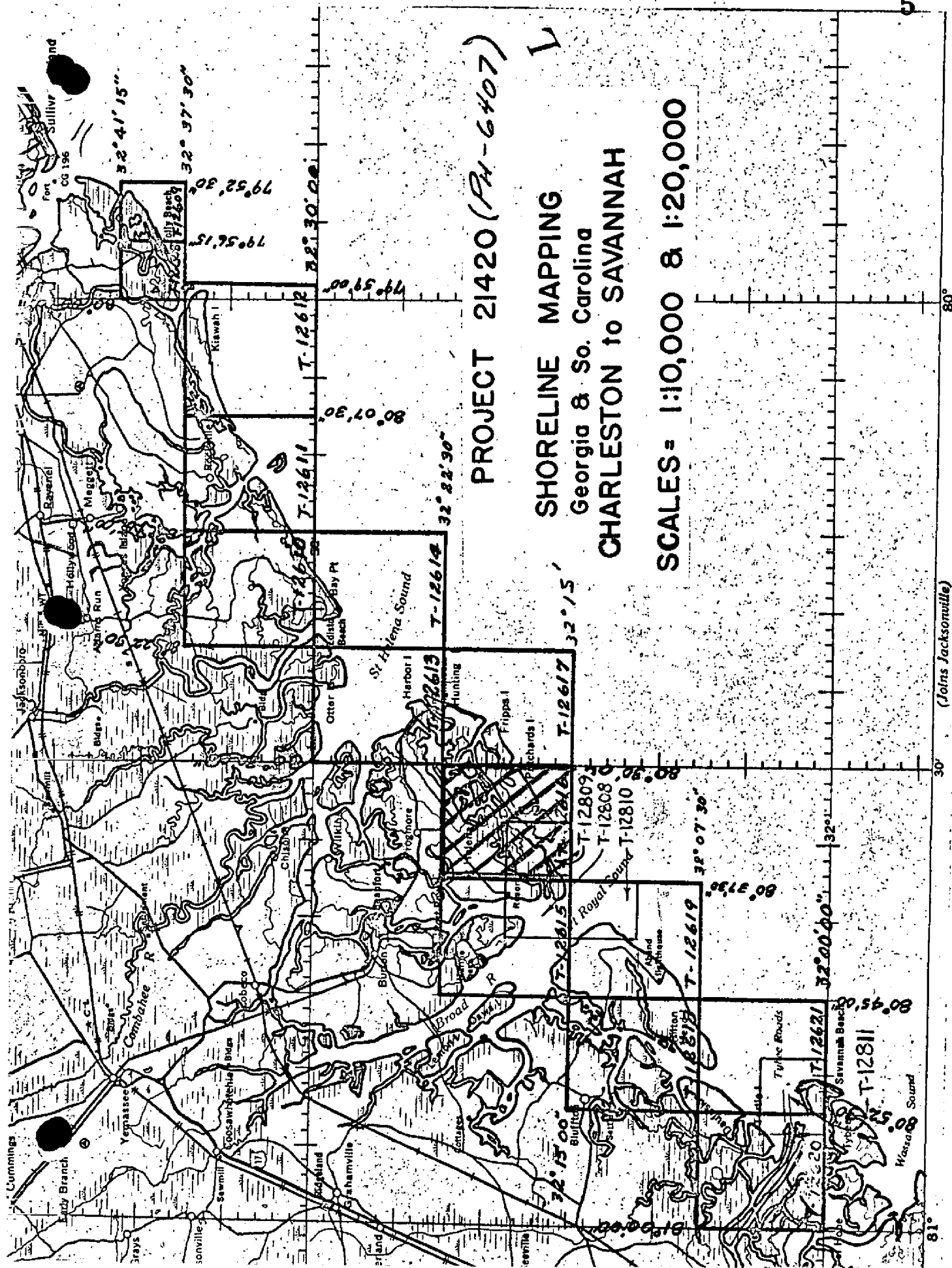


## COMPILATION RECORD

## COMPLETION DATE

## REMARKS

Compilation complete pending Field Edit	Aug. 1965	
Final Review	June 1971	



SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-12616

This shoreline manuscript, scale 1:20,000, is one of 18 maps that comprise Project PH-6407, Charleston, South Carolina to Savannah, Georgia. The sketch on page 5 of this report shows the location of T-12616 in the project.

Compilation was by stereoscopic instrument. All of the photographs for T-12616 are 1:30,000 scale panchromatic taken with the "W" camera on March 13, 1964. The stereo-bridge was run and adjusted to field identified control in the Rockville Science Center. Compilation was done with the Kelsh Plotter in the Atlantic Marine Center. Ratio prints at 1:20,000 scale were processed for photo-hydro support, but hydrography has not been accomplished as of June 1971.

Field work before compilation consisted of control identification and field inspection. This map was not field edited.

Final review was done at the Atlantic Marine Center in June 1971.

The compilation manuscript was a vinylite sheet  $7\frac{1}{2}$  minutes in latitude by  $7\frac{1}{2}$  minutes in longitude.

A cronaflex copy of the final reviewed manuscript and a negative have been forwarded for record and registry.

FIELD INSPECTION REPORT  
Project 21420 (Part 2)  
Maps T-12613 thru T-12621  
Georgia and South Carolina

Page 7

This report is submitted for nine Shoreline Maps since there are no great differences in terrain, natural or cultural features which would require special treatment.

2. AREAL FIELD INSPECTION

The area lies between Savannah River and Northeastward to a point just South of Edisto Beach. It includes the outside shoreline and a part of Savannah River, Port Royal Sound and St. Helena Sound. The photograph coverage is not complete for each map, therefore, in accordance with instructions from Washington, field inspection has been completed to the limits of the photographs.

The portion bordering the Atlantic Ocean consists of high sand dunes along the ocean with marsh and swamp behind.

The town of Savannah is located just West of the most Southern maps whereas the town of Beaufort is centrally located. Most of the land is owned by private interests and in many cases, special permission is required to enter the properties.

The photographs were taken in the spring of 1964. The photographic quality was good for the entire area. The tones were found to be similar to other areas along the South Atlantic Coast.

Photographs used for field inspection are listed below by individual maps:

<u>T-12613</u>	<u>T-12614</u>	<u>T-12615</u>	<u>T-12616</u>	<u>T-12617</u>	<u>T-12618</u>
64-W-4269	64-S-1202	64-W-4298 thru 4302	64-W-4279	64-W-4271	64-W-4319
4270	1203	4289 thru 4291	thru	thru	thru
64-S-1206		4307 thru 4311	4283	4273	4320
<u>T-12619</u>	<u>T-12620</u>	<u>T-12621</u>			
64-W-4315 thru 64-W-4318	64-W-4324 thru 64-W-4327	64-W-4321 thru 64-W-4323			
4286 thru 4288	4329 thru 4334	4335 thru 4337			

3. HORIZONTAL CONTROL

Horizontal Control recovery and identification has been completed in accordance with Project Instructions.

The identification of horizontal control was accomplished on enlarged sections of the photographs. This was the first time our party had used the enlarged sections for this purpose. In most cases there was no difficulty and it is believed that the substitute points selected enhanced the accuracy and quality of the points. However, there was difficulty at one station (VENUS 2). The station was pricked direct as there was a small steel stand

over the mark. The substitute point could only be seen good on two of the four photographs. This point has been marked doubtful.

Horizontal control stations reported "lost", "destroyed", or "not recovered" are listed below by map:

T-12613

ASH 1919  
BEK (BEACON NO 1), 1934  
BUTCHERS ISLAND 1857  
CENTRAL 1913  
COMBAHEE BANK LIGHT 1955  
EGG 4, 1933  
EGG BANK PASSAGE DAYBEACON A11, 1955  
EGG BANK PASSAGE DAYBEACON A9, 1955  
EGG BANK PASSAGE DAYBEACON A7, 1955  
EGG BANK PASSAGE DAYBEACON A5, 1955  
EGG BANK PASSAGE DAYBEACON A4, 1955  
GREEN BEACON 1933  
GUS (BEACON NO 2) 1934  
HARBOR RIVER DAYBEACON A14, 1955  
HUTCHINSON 2, 1933  
PALMETTO 1933  
PELICAN BANK DAYBEACON A2, 1955  
PELICAN BANK DAYBEACON A1, 1955  
RED BEACON 1933  
SOUND 1933  
WHARF 1933

T-12614

ED 1921

T-12615

ARCH 1921  
ARCHE CREEK BEACON 1933  
BASE 1 (USE) 1931  
BEAUFORT RIVER LIGHT 17, 1955  
BEAUFORT RIVER LIGHT 13A, 1955  
BUG 1933  
BROOKLYN 1859  
CHOW 1933  
FORT FREMONT OBSERVATION TOWER 1931  
DOS 1931  
FORT FREMONT BEACON 1931  
NORTH 1931  
PARRIS ISLAND WATER TANK (WHITE WITH BLACK TOP) 1932  
PARRIS ISLAND, LOW WHITE STACK 1932  
PARRIS ISLAND SILVER WATER TANK 1932  
PARRIS ISLAND MARINE CORPS RECRUIT DEPOT AIR STRIP BEACON 1955  
PARRIS ISLAND HIGH BRICK STACK 1932  
PARRIS ISLAND STACK (HIGHEST OF TWINS) 1932

PARRIS ISLAND MARINE CORPS, RECRUIT DEPOT, AIR CONTROL TOWER 1955  
PARRIS (USE) 1931  
PORT ROYAL SOUND LIGHT NO 1, 1955  
SKULL CREEK DAYBEACON 4, 1955  
SKULL CREEK ENTRANCE LIGHT 3, 1955  
SKULL CREEK DAYBEACON 5, 1955  
SPIT 1933  
TRIANGULAR BEACON 1931

T-12616

BULL 1933  
MID 1931  
TIDE 1933

T-12617

STORY RIVER DAYBEACON A16, 1955  
TEMPORARY 1955

T-12618

BACK 1931  
BULLPOINT FRONT RANGE 1931  
BUCK 2, 1931  
FRON 1931  
MAG 1931  
MARSH 2, 1931  
MARTIN 1933  
NO 9 (USE) 1931  
OCHO 1921  
SIETE 1931  
SOUTH 1931  
ULMER 1933

T-12619

HILTON FRONT 1931  
STONEY PLANTATION, BAPTIST CHURCH 1931  
TON 1931  
TON 2, 1955  
WAL 3, 1955

T-12620

BARNWELL PLACE LIGHT (OGLETHORPE REAR RANGE LIGHT) 1913  
BLOODY 1932  
BUSH (USE) 1932  
ELBA ISLAND FLATS, LIGHT NO 11, 1932  
FIELDS CUT NO 1 (USE) 1932  
LOWER FLATS REAR RANGE LIGHT 1932  
LAZAGETTO CREEK HIGHWAY BRIDGE CENTER OF SWING SPAN 1932  
LONG ISLAND CROSSING FRONT RANGE LIGHT 1933

LONG ISLAND CROSSING REAR RANGE LIGHT 1933  
 NEW CHANNEL REAR RANGE LIGHT 1932  
 NORTH CORNER OF OLD TOWER 1932  
 PERRY (USE) 1934  
 PALMETTO 1933  
 QUARANTINE TANK FINIAL 1932  
 QUARANTINE (USE) 1932  
 TOPO 1934  
 TYBEE KNOLL CUT FRONT RANGE LIGHT 1932  
 UPPER FLATS FRONT RANGE TARGET 1932  
 UPPER FLATS REAR RANGE LIGHT 1932  
 WALLS CUT BEACON NO 6, 1932  
 WALLS CUT BEACON NO 8, 1932  
 WILMINGTON 1857  
 WILMINGTON ISLAND BLACK VENTILATOR, OGIETHORPE HOTEL 1933  
 WRIGHT 1932

T-12621

BRAD 1931  
 DO 1916  
 FORT SCREVEN WATER TANK 1932  
 SAVANNAH BEACH, CASINO SOUTH COPOLA 1913  
 SAVANNAH BEACH, CASINO NORTH COPOLA, 1913  
 TYERISA TANK 1932

4. VERTICAL CONTROL

A search was made for all tidal bench marks within the limits of these maps. Form 685A was submitted for each mark. One mark in each group was identified on the photograph, except in a few cases where there was no coverage.

5. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage is almost entirely composed of tidal streams. Normal drainage is generally by direct run-off into marsh, swamp or the tidal streams.

6. WOODLAND COVER

Woodland Cover was classified in accordance with the Topographic Manual.

7. SHORELINE AND ALONGSHORE FEATURES

The high-water line has been indicated on the photographs by symbol in accordance with current instructions. No attempt was made to delineate the low-water line.

The field inspector accomplished this phase by several methods; Measurements from identifiable points of detail, by visual inspection from skiff, and by walking the shoreline.

All other shoreline features are adequately covered by field inspection notes on the photographs. The photography is recent, therefore, there have been no great changes.

#### 8. OFFSHORE FEATURES

Several piling etc. were located either by sextant fix or theodolite cuts during this survey.

The obstruction reported at Lat. 32-01 - Long. 80-50 chart 1240, could not be seen at low-water.

Your attention is invited to the restricted area in Broad River, near Archers Creek. It is believed that the restricted area should be enlarged on the charts since most of this portion of the river is under fire by the marine guns.

#### 9. LANDMARKS AND AIDS

All Nautical Landmarks have been investigated in the field and are reported on form 567.

All fixed Aids to Navigation were investigated and are reported on form 567. Third-order positions were obtained for the following:

TYBEE KNOLL CUT RANGE REAR LIGHT, 1964  
 TYBEE RANGE FRONT LIGHT, 1964  
 JONES ISLAND RANGE FRONT LIGHT, 1964  
 PORT ROYAL ENTRANCE, CHANNEL FRONT RANGE LIGHT, 1964

Four private aids in the Calibogue Sound area are recommended for charting. The aids were located by several methods; Cuts from triangulation stations and photo points, by sextant fixes, or identified directly on the photograph.

#### 10. BOUNDARIES, MONUMENTS AND LINES

There have been no boundary lines shown.

#### 11. OTHER CONTROL

There were no topographic stations established.

#### 12. OTHER INTERIOR FEATURES

All roads were classified in accordance with Photogrammetry Instructions number 56.

Field Inspection of buildings was done in accordance with Photogrammetry Instructions Number 54, revised September 22, 1961.

There were no bridge or cable clearances measured during this survey.

Marsh and Swamp limits have been shown on the photographs where coverage was available.



13. GEOGRAPHIC NAMES

The investigation of Geographic Names will be handled slightly different from that called for in Project Instructions. This change in procedure was recommended by Dr. A. J. Wright, Chief, Geographic Names Branch.

A systematic and complete investigation of Geographic Names was made from Savannah River North and East to Latitude 32-15. The remainder of the project will be investigated for discrepancies and New Names only.

The change in procedure is due to the recent investigation of names in the project during the years 1955, 1956 and 1957.

The Geographic Names Reports will be submitted at a later date.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Transmitting letters for Horizontal Control Identification were mailed to Washington separately for Part 1 and Part 2 of the Project. Part 1 was mailed on 10 July 1964 and Part 2 on 7 July 1964.

Form 567 will be forwarded with this report.

17 July 1964  
Submitted by:

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

November 1964

## Aerotriangulation Report

Project No. 21420

Charleston, South Carolina to Savannah, Georgia

21. Area Covered

The bridging covers the Atlantic Coast Shoreline of an area between Charleston, South Carolina to Savannah, Georgia.

22. Method

Nine strips were bridged on the Zeiss C-5 and C-9 stereo-planigraphs to provide control for compilation of shoreline.

Strip No.	Photos
1	64S 1206 - 1227
2	64W 4269 - 4273
3	64W 4276 - 4284
4	64W 4306 - 4312
5	64W 4295 - 4302
6	64W 4290 - 4294
7	64W 4314 - 4327
8	64W 4332 - 4337
9	64W 4286 - 4290
10	

Strip #2 consisting of photos 64S 1184 - 1203 was not bridged. However, tie points were dropped from Strip #1 to provide control for graphic compilation of the area.

All strips were 1:30,000 scale photography.

23. Adequacy of Control

Control positions were adequate for bridge adjustment. However, the northeast end of Strip #1 was run as a separate bridge due to difficulty in holding the control. Both segments had control station Hernan in common. Tie points between the two bridges were averaged.

Strip #7 was also interrupted due to a water gap and divided into two bridges, #7 and #10.

Strip #9 was ended at control station Queen because Station Hector (200) would not hold. This was probably due to error in azimuth.

*The points had been drilled on the plate for strip #2 by the W.C., and the maps were compiled with Kelt.*

All other points held within accuracy requirements.

All common pass points between the strips were averaged.

24. Supplemental Data

A number of objects identified as landmarks were used as check control stations and held within accuracy requirements.

25. Photography

Photography was adequate as to coverage, overlap and definition.

26. Recommendations

Ratio prints of Strip #2, at a scale of 1:20,000, have been ordered and will be submitted separately.

Submitted by:

ATG  
LF

Lawrence Frits  
John T. Gerlach

Approved by:

*John D. Ferrow, Jr.*  
John D. Ferrow, Jr.

Aerotriangulation Report  
Project No. 21420  
Charleston, S.C. to Savannah, Ga.

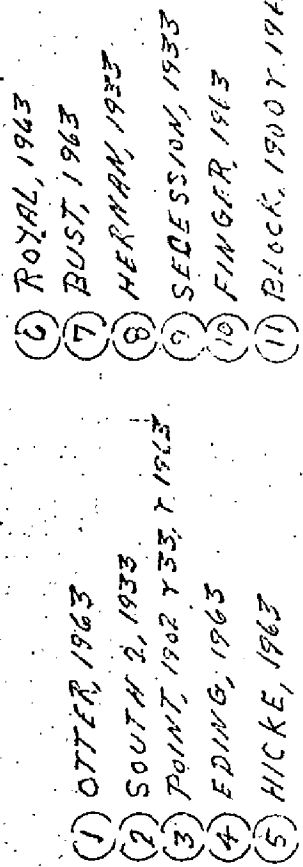
Amendment to Report of Nov. 1964

Strip 9-A, consisting of photos 64-W-4329 through 4332, was bridged using three triangulation stations as control. Station Proctor Use, 1932 (SS #1) was of very poor image quality and could not be held in the bridge. A secondary straight line adjustment was applied to the junction area of Strips 8 and 9. This junction is weak but within National Map Accuracy Standards.

Submitted by:

John D. Perrow, Jr.

AEROTRIANGULATION SKETCH  
PROJECT 21420  
SHORELINE MAPPING  
GEORGIA & S.C. CAROLINA  
CHARLESTON TO SAVANNAH  
9-2-64



# AEROTRIANGULATION SKETCH

PROJECT 21420

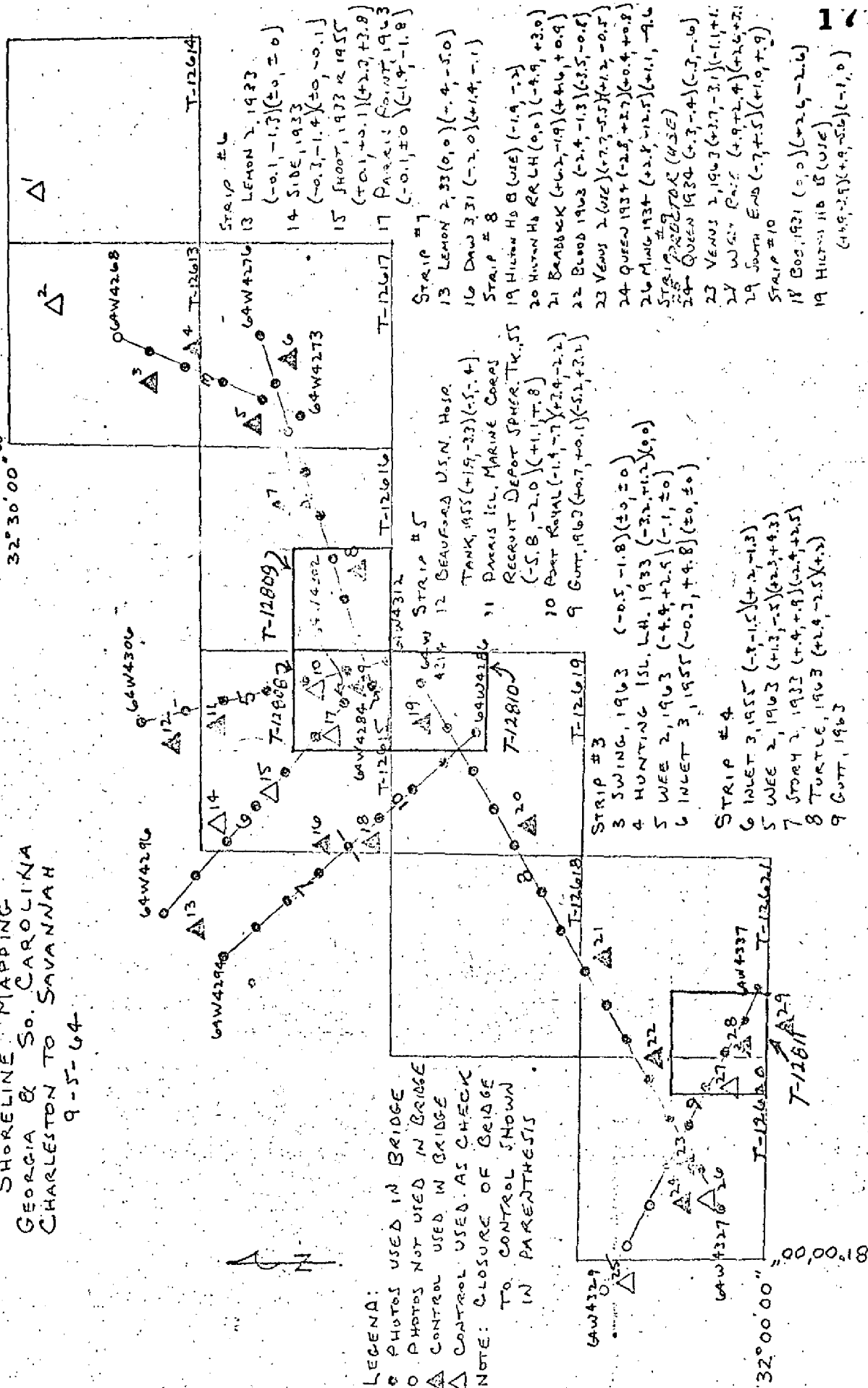
SHORELINE MAPPING

GEORGIA & SO. CAROLINA  
CHARLESTON TO SAVANNAH

9-5-64

## LEGENDA:

- PHOTOS USED IN BRIDGE
  - PHOTOS NOT USED IN BRIDGE
  - △ CONTROL USED IN BRIDGE
  - △ CONTROL USED AS CHECK
- NOTE: CLOSURE OF BRIDGE  
TO CONTROL SHOWN  
IN PARENTHESES





MAP T-12616 PROJECT NO. 21420 (PH-6401) SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\nu$ -COORDINATE LONGITUDE OR $x$ -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS (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)
UNIDENTIFIED DAY- BEACON 1964	Unadj. NA 1927 Comp.		150,086.62 2,123,023.48				
TURTLE, 1963 RECOVERY DATE 1964	Office Comp. Unadj.	"	160,722.53 2,132,947.85				
STORY 2, 1933	GP p.60 PC S p.25 Desc 203 p.51	"	178,655.41 2,145,195.87				
OFF, 1933	GP p.66 PC S p.28 Desc 203 p.61	"	187,291.60 2,132,174.07				
MORSE, 1963	Unadj. Field PHOTOSTAT	"	32° 16' 18.227" 80 36 39.560				
COUNTY 2, 1955	GPS p.312 PCs S 113	"	177,869.74 2,121,600.27				
SIN, 1933	GP p.60 PC S p.25 Desc 203 p.50	"	175,337.29 2,137,132.23				
PIP, 1933	GP p.66 PC S p.28 Desc 203 p.60	"	158,425.92 2,118,316.63				
BEND, 1933	GP p.65 PC S p.27 Desc 203 p.55	"	183,282.62 2,141,907.15				
SALTY 2, 1955	GP p.312 PC S p.114	"	172,836.07 2,117,716.26				
PINE, 1933	GP p.65 PC S p.27 Desc 203 p.60	"	183,460.58 2,151,398.33				
CREEK, 1933	GP p.66 PC S p.27 Desc 203 p.50	"	178,277.20 2,132,062.02				18

1 FT. = 3048006 METER

COMPUTED BY: BLB

DATE 12-28-64

CHECKED BY: BHB

DATE 2-2-65

M-2388-12







## COMPILATION REPORT

T-12616

31. DELINEATION

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

32. CONTROL

See Aerotriangulation Report dated November 1964.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage was delineated as inspected or from office interpretation of the photography.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate and was delineated accordingly. The approximate low water line was delineated from office interpretation of the photography.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Junctions have been made with T-12617 to the east and T-12615 to the west. There is no contemporary survey to the north. The Atlantic Ocean is to the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with USGS Quadrangle ST. PHILLIPS ISLAND, S. C., scale 1:24,000, dated 1956.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart 571, scale 1:40,000, 12th edition, dated November 21, 1963 and with Chart 1240, scale 1:80,000, 6th edition, revised April 20, 1964.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted:

*R. E. Smith*  
R. E. Smith  
Cartographer

Approved:

*Allen L. Powell*  
Allen L. Powell, RADM, NOAA  
Director, Atlantic Marine Center

## GEOGRAPHIC NAMES

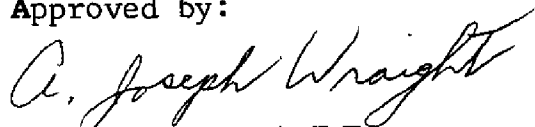
## FINAL NAME SHEET

PH-6407 (South Carolina)

T-12616


Atlantic Ocean  
Bay Point Island  
Bull Point  
Capers Island  
Edding Island  
Fripps Island  
Moon Creek  
Morse Island Creek  
Old House Creek  
Old Island  
Pritchards Inlet  
Pritchards Island  
St. Phillips Island  
Skull Creek  
Skull Inlet  
Trenchards Inlet  
Turtle Creek

Approved by:



A. Joseph Wraight  
Chief Geographer

Prepared by:



Frank W. Pickett  
Cartographic Technician

T-12616

49. NOTES TO THE HYDROGRAPHER

None

C&GS FORM 1002  
(11-12-81)U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## PHOTOGRAMMETRIC OFFICE REVIEW

T-10363- T-12616

1. PROJECTION AND GRIDS RES	2. TITLE RES	3. MANUSCRIPT NUMBERS RES	4. MANUSCRIPT SIZE RES
<b>CONTROL STATIONS</b>			
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 KELSH
<b>ALONGSHORE AREAS (Nautical Chart Data)</b>			
12. SHORELINE RES	13. LOW-WATER LINE RES	14. ROCKS, SHOALS, ETC. XX	15. BRIDGES XX
16. AIDS TO NAVIGATION XX	17. LANDMARKS XX	18. OTHER ALONGSHORE PHYSICAL FEATURES RES	19. OTHER ALONGSHORE CULTURAL FEATURES RES
<b>PHYSICAL FEATURES</b>			
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
<b>CULTURAL FEATURES</b>			
27. ROADS RES	28. BUILDINGS XX	29. RAILROADS XX	30. OTHER CULTURAL FEATURES RES
<b>BOUNDARIES</b>			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
<b>MISCELLANEOUS</b>			
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
40. REVIEWER RES		SUPERVISOR, REVIEW SECTION OR UNIT ACR	
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		SUPERVISOR	
43. REMARKS			

## REVIEW REPORT T-12616

## SHORELINE

June 8, 1971

61. GENERAL STATEMENT:

See Summary on page 66 of this Descriptive Report.

An ozalid comparison print, pages 26 through 29, with differences noted in Items 62, 63 and 65, is bound with the original of this report.

No detailed comparison was made with numerous tributaries within marsh areas.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with registered Photogrammetric Surveys T-10314, STORY RIVER, S. C., T-10318, TRENCHARDS INLET, S. C., and T-10319, PRITCHARDS INLET, S. C., all 1:10,000 scale and all surveyed in 1955. Differences between these surveys and T-12616 are shown in blue on the comparison print.

Several differences are shown, the greatest being in the vicinity of Trenchards Inlet. The shoreline at the east end of Bay Island has receded approximately 200 meters.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. Quadrangle ST. PHILLIPS ISLAND, S.C., scale 1:24,000, dated 1956. Differences between this survey and T-12616 are shown in brown on the comparison print.

In general, the U.S.G.S. shoreline is offshore from the T-12616 shoreline. This difference is approximately 300 meters at the entrance to Morse Island Creek, and approximately 200 meters just east of Bull Point.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No contemporary hydrographic surveys were available for comparison.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 571, scale 1:40,000, 16th edition, dated October 31, 1970 and with Chart 793, scale 1:40,000, 5th edition, dated January 16, 1971. Differences between these charts and T-12616 are shown in red on the comparison print.

Differences along the Atlantic Ocean shoreline are approximately the same as the registered topographic surveys. Small differences were noted on both sides of Trenchards Inlet and differences in marsh outline were noted on the north side of Skull Creek.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey complies with Project Instructions, Bureau requirements, and the National Standards for Map Accuracy. No accuracy tests were run in the field.

Reviewed by:

*Charles H. Bishop*

Charles H. Bishop  
Cartographer  
June 8, 1971

Approved for forwarding:

*Melvin J. Umbach*  
Melvin J. Umbach, CDR, NOAA  
Chief, Photogrammetry Division, AMC

Approved:

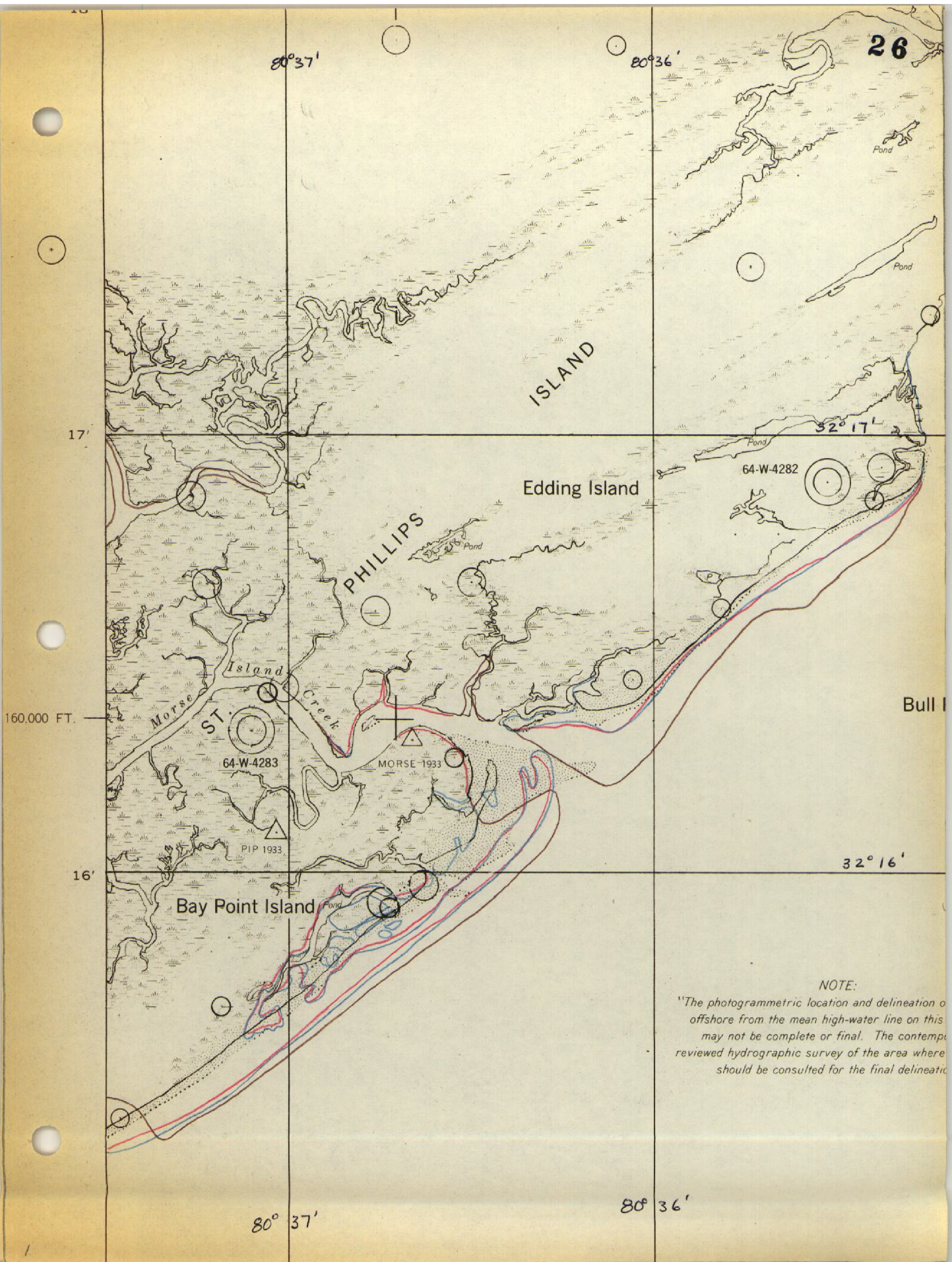
*Allen L. Powell*  
Allen L. Powell, RADM, NOAA  
Director, Atlantic Marine Center

Approved:

*Charles L. ...*  
Chief, Photogrammetric Branch

*Jack E. Luth*  
Chief, Photogrammetry Division











80° 33'

80° 32'



STORY, 2 1933

28



SIN 1933

Skull Creek

64-W-4280

Pond

PRITCHARDS ISLAND

Moon Creek

MOON 1963

Pritchards Inlet

breakers

breakers

32° 17'

80° 32'

C E A N

80° 33'

3



80° 31'

80° 30'

32° 20'



Old Island

y = 180,000 FT.

STORY 2 1933

Shoal

Inlet

Fripps  
Pond  
Island

64-W-4279

19'

32°

18'

y = 170,000 FT.

breakers

80° 30'

80° 31'

PRITCHARDS ISLAND



