

12621

12621

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE (Photogrammetric)
Field No.	Office No. T-12621
LOCALITY	
State	SOUTH CAROLINA - GEORGIA
General locality	CHARLESTON, S. C. TO SAVANNAH, GA.
Locality	TYBEE ISLAND
19.64-65	
CHIEF OF PARTY	
Joseph K. Wilson, Chief, Photo Party 6420	
Allen L. Powell, Director, A. M. C.	
LIBRARY & ARCHIVES	
DATE	

FORM C&GS-181a
(3-66)U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T- 12621

PROJECT NO. (II):			
21420 Job PH-6407			
FIELD OFFICE (II):		CHIEF OF PARTY	
Beaufort, South Carolina		J. K. Wilson	
PHOTOGRAMMETRIC OFFICE (III):		OFFICER-IN-CHARGE	
Atlantic Marine Center		Allen L. Powell, Director Atlantic Marine Center	
INSTRUCTIONS DATED (II) (III):			
September 28, 1964 Office December 22, 1964 Office Amendment No. 1 April 23, 1964 Field February 17, 1971 Office (Final Review)			
METHOD OF COMPILATION (III):			
Kelsh - Plotter			
MANUSCRIPT SCALE (III):		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):	
1:20,000		1:6,000	
DATE RECEIVED IN WASHINGTON OFFICE (IV):		DATE REPORTED TO NAUTICAL CHART BRANCH (IV):	
APPLIED TO CHART NO.		DATE:	DATE REGISTERED (IV):
GEOGRAPHIC DATUM (III):		VERTICAL DATUM (III):	
N. A. 1927		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):			
BRAD 1931 ✓			
LAT.:		LONG.:	
32° 06' 49.684" (1530.3) ✓		80° 49' 30.231" (792.5) ✓	
		<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED	
PLANE COORDINATES (IV):		STATE	ZONE
= 102,085.27 ft. ✓ x = 2,054,169.77 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 (III): J. D. Shea		DATE: May-June 1964
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation Date of Photography: March 13, 1964		
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree		DATE Jan. 15, 1965
PROJECTION AND GRIDS CHECKED BY (IV): P. Hopkins		DATE Jan. 15, 1965
CONTROL PLOTTED BY (III): A. Santillan		DATE January 1965
CONTROL CHECKED BY (III): H. Cordell		DATE January 1965
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):		DATE
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY K. Boyle	DATE December 1965
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): K. Boyle		DATE December 1965
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): C. Bishop		DATE January 1966
REMARKS:		

FORM C&GS-181c
(3-66)U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

"W" Camera

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
64-W-4321	March 13, 1964	1007	1:30,000	4.0
64-W-4322	"	1008	"	4.0
64-W-4323	"	1008	"	4.0
64-W-4335	"	1022	"	3.6
64-W-4336	"	1022	"	3.6
64-W-4337	"	1023	"	3.6

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: SAVANNAH RIVER ENTRANCE, GA.		6.9	8.1
COORDINATE STATION:			
SUBORDINATE STATION:			

Atlantic Marine Center
REVIEW BY (IV):

C. H. Bishop

DATE: July 1971

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

15

RECOVERED:

9

IDENTIFIED:

3

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

6

RECOVERED:

5

IDENTIFIED:

1

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

None

REMARKS:

2 new triangulation stations established, namely; TYBEE RANGE FRONT LIGHT, 1964 and JONES ISLAND FRONT RANGE LIGHT.

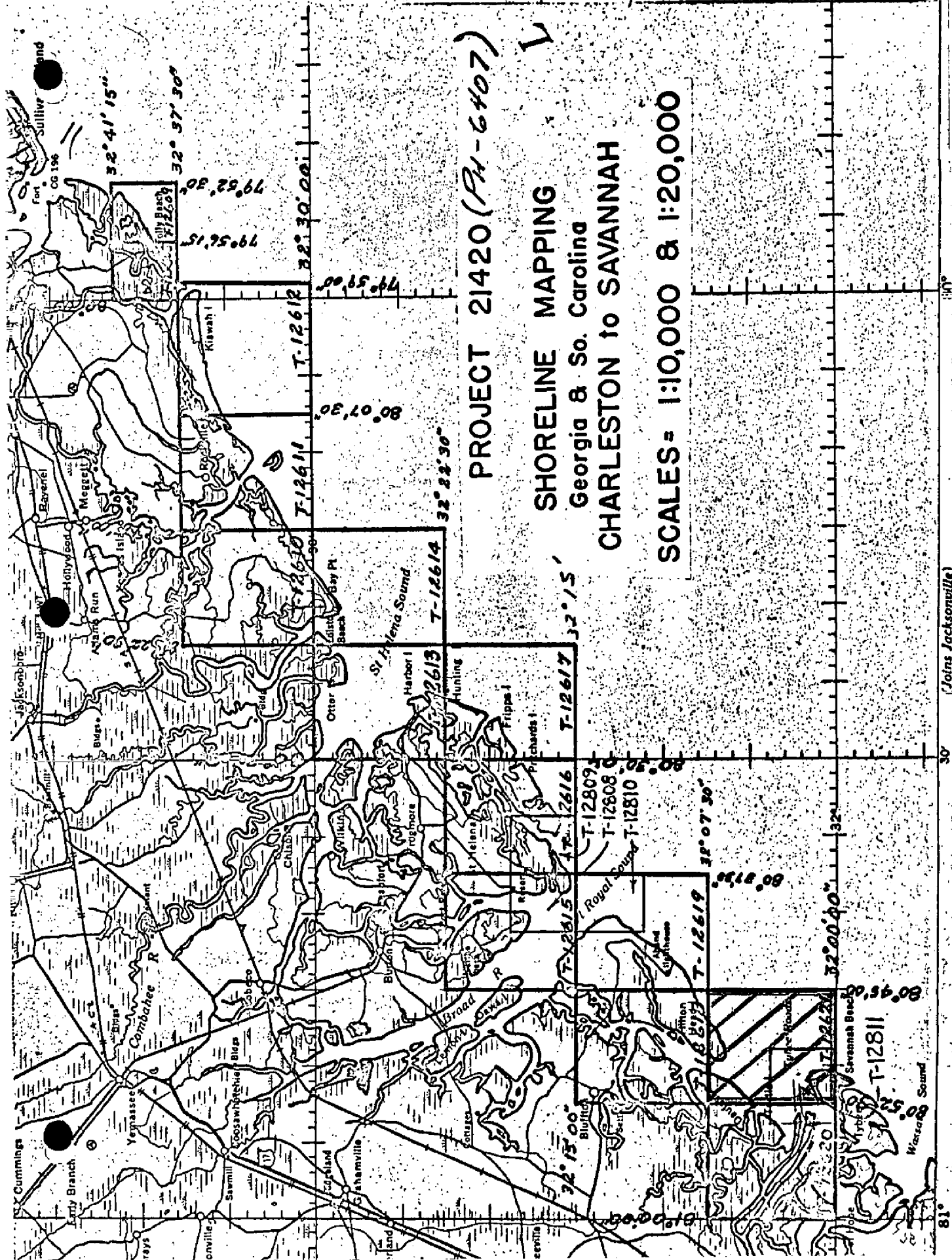
TYBEE RANGE FRONT LIGHT, 1964, was not identified on the photographs as we did not have coverage.

COMPILATION RECORD

COMPLETION DATE

REMARKS

Compilation complete pending field edit	Jan. 1966	
Final Review	July 1971	



PROJECT 21420 (PA-6407)

SHORELINE MAPPING

Georgia & So. Carolina

CHARLESTON to SAVANNAH

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

(Joins Jacksonville)

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12621

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-12621 in the project.

Compilation was by stereop-instrument. All of the photographs for T-12621 are 1:30,000 scale panchromatic, taken on March 13, 1964. The stereo-bridge was run and adjusted to field identified control at the Rockville Science Center. Compilation was done with the Kelsh Plotter at the Atlantic Marine Center in May 1966. Ratio prints of the compilation photography at 1:20,000 scale were processed for photo-hydro support, but hydrography was not accomplished as of July 1971.

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

Final review was done at the Atlantic Marine Center in July 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
UIMER 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
 TYBRISA 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 4296 - 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 #3 was ended at control station Queen because Station Freeport (100) would not hold. This was probably due to error in control.

The points had been checked on the plate for strip #2 by the W.O., and the maps were compiled with Ketch.

-2-

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 Fritz
John T. Gerlach

Approved by:

John D. Perrow, Jr.
John D. Perrow, Jr.

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

Amendment to Report of Nov. 1964

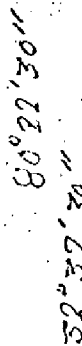
Strip 9-A, consisting of photos 64-W-4329 through 4332, was bridged using three triangulation stations as control. Station Proctor Use, 1932 (SS #1) was of very poor image quality and could not be held in the bridge. A secondary straight line adjustment was applied to the junction area of Strips 8 and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

Submitted by:

John D. Perrow, Jr.

ALANNAH S. OL. NO. 5778442

9-2-64



7-12610

36' 1206 (1)

(2) $\Delta(3)$ 645 1203

F-12611

F-12612

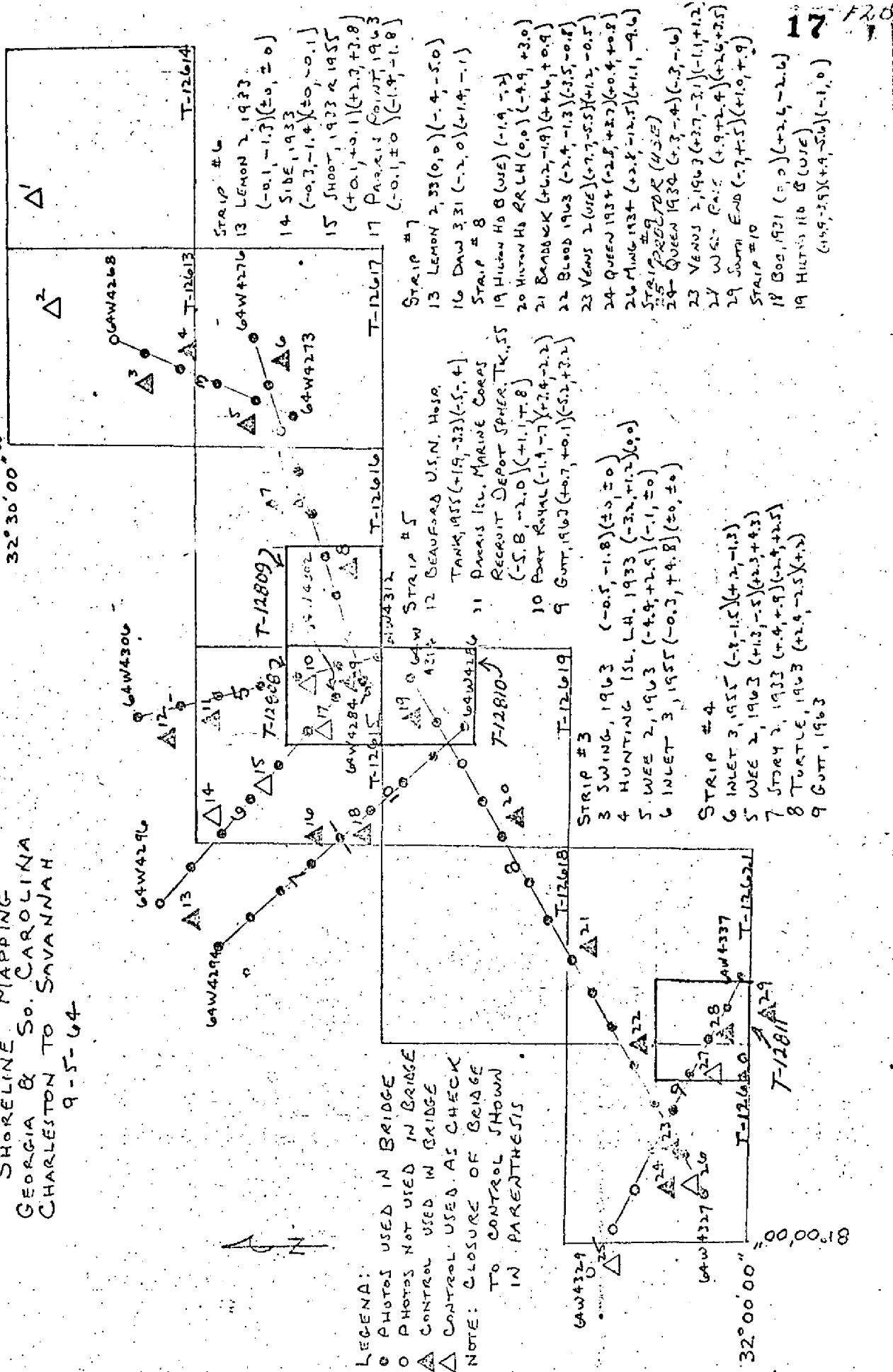
33030, 00"

LEGEND PART 1 790596

- 16
- | | |
|------------------------------|-------------------------|
| (1) OTTER, 1963 | (6) ROYAL, 1963 |
| (2) SOUTH 2, 1933 | (7) BUST, 1963 |
| (3) POINT, 1902 Y 33, Y 1963 | (8) HERMAN, 1933 |
| (4) EDINGB, 1963 | (9) SECESSION, 1933 |
| (5) HICKE, 1963 | (10) FINGER, 1963 |
| | (11) BLACK, 1900 Y 1913 |

AEROTRIANGULATION SKETCH PROJECT 21420 SHORELINE MAPPING GEORGIA & SO. CAROLINA CHARLESTON TO SAVANNAH 9-5-64

LEGEND:
 ○ 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 12621 PROJECT NO. 21420 SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	COORDINATE CONVERSION S. C. SOUTH	DISTANCE FROM 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)
TYBEE LIGHTHOUSE 1932	GP p. 40	N.A. 1927	68,686.68 2,047,788.72				
WEST BASE (USE) 1932	GP p. 39	"	67,594.27 2,042,189.36				
BLOOD AZIMUTH MARK, 1964	PHOTO- STATS	"	latitude 36.006 32° 05' 23.294" longitude 80.644 80° 52' 01.356"	739.04 (1,109.02) 35.56 (751.13)	✓ ✓		
BLOODY POINT RANGE FRONT LIGHT, 1964	"	"	latitude 29.454 32° 02' 30.546" longitude 80.491 80° 49' 40.167"	940.85 (907.21) 1,061.89 (512.56)	✓ ✓		
BLOODY POINT RANGE REAR LIGHT, 1964	"	"	latitude 42.403 32° 03' 17.597" longitude 80.501 80° 50' 23.085"	542.01 (1,306.05) 605.59 (968.39)	✓ ✓		
BRAD, 1931	GP-II-p. 114 PC-S-p. 43 DESC. 203 p. 56	"	102,085.27 2,054,169.77				
BRADDOCK, 1964	PHOTO- STATS	"	latitude 32.06 32° 06' 12.550 longitude 80.491 80° 49' 37.372"	1310.5 (537.4) 979.7 (593.6)	✓ ✓		
DO, 1916	GP-II-p. 115 PC-S-p. 44 DESC. 203 p. 126	"	101,126.21 2,056,955.60				
JONES ISLAND RANGE FRONT LIGHT, 1964	Field Form 709	"	75,933.25 2,045,571.36				
SAVANNAH BEACH MUNICIPAL WATER TANK, #18 1964	PHOTO- STATS	"	latitude 32.00 32° 00' 39.720" longitude 80.501 80° 50' 31.628"	1223.4 (624.6) 830.1 (744.6)	✓ ✓		
TYBEE RANGE FRONT LIGHT, 1964	Field PC's	"	61,966.75 2,060,526.49	577.2 (577.2) 149.5 (149.5)	✓ ✓		
JONES ISLAND RANGE REAR LIGHT, 1964	PHOTO- STATS #18	"	32° 02' 39.673" 80° 51' 40.688"	1222.0 (626.1) 506.7 (1067.5)	✓ ✓		18

1 FT. = 3048006 METER

COMPUTED BY:

DATE

CHECKED BY:

DATE

COMM-DC-57843

COMPILATION REPORT

T-12621

31. DELINEATION

Planimetry was compiled by the Kelsh plotter. On Daufuskie Island, swamp limits as indicated by the field inspector were transferred from the field inspection photographs to ratio photographs and from them to the manuscript by graphic methods.

Photographs and field inspection were adequate for compilation of the manuscript.

32. CONTROL

See Aerotriangulation Report dated November 1964.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours not applicable.

Numerous ditches were delineated, especially on Tybee Island.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line and adjacent details were delineated from field inspection of the photographs. Field inspection of these features was adequate.

The low water line was delineated from office inspection of the photographs and is approximate.

36. OFFSHORE DETAILS

One breaker south of Braddock Point was located graphically, using the ratio prints. Piling, dolphins, a foul area and the east end of the jetty on the south side of the entrance to the Savannah River were located in the field by sextant fixes. No difficulty was encountered in plotting these fixes on the manuscript.

37. LANDMARKS AND AIDS

Form 567 for six fixed aids and two landmarks was prepared and submitted to the Washington Office.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Satisfactory junctions were made with 1:10,000 scale manuscript T-12811 and 1:20,000 scale manuscript T-12620 on the west and 1:20,000 scale manuscript T-12618 on the north. There are no contemporary surveys to the east or south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

41 - 45. No remarks.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with A.M.S. Quadrangle, SAVANNAH BEACH NORTH, scale 1:25,000, Series V845, Sheet 4848 III SE, Edition 1-AMS, first printing 11-57.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart 440, scale 1:40,000, 30th edition, dated December 7, 1964.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted:

Charles H. Bishop

Charles H. Bishop
Cartographer

Approved:

Allen L. Powell

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

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6407 (South Carolina)

T-12621

Atlantic Ocean
 *Barrett Shoals
 Baynard Cove
 Baynard Cove Creek
 Beach Hole Creek
 Bloody Point
~~Bloody Point Range~~
 Braddock Point
 Calibogue Sound
 Carter Creek
 Chimney Creek
 Crab Creek
 Daufuskie Island
 Estill Hammock
 Fort Screven

*Grenadier Shoal
 Hilton Head Island
 Horse Pen Creek
 Horse Pen Hammock
~~Jones Island Range~~
 New River
 Savannah Beach (town)
 Savannah River
 Sazarine Creek
 South Sea Pines
 Spring Island
 Tybee Island
 Tybee Knoll Spit
~~Tybee Knoll Cut Range~~
 Tybee Roads

Approved by:

A. Joseph Wraight
 A. Joseph Wraight
 Chief Geographer

Prepared by:

Frank W. Pickett
 Frank W. Pickett
 Cartographic Technician

* Feature not delineated.

C.H.B.

T-12621

49. NOTES FOR THE HYDROGRAPHER

1. Obstruction, Lat. $32^{\circ} 06' 24''$, Long. $80^{\circ} 51' 06''$; not field inspected. Please verify.
2. Submerged breakwater on chart 440, Lat. $32^{\circ} 02' 07''$ to Lat. $32^{\circ} 02' 45''$; Long. $80^{\circ} 48' 50''$ to Long. $80^{\circ} 49' 15''$, not visible on photographs or noted by field inspection, please verify.
3. Grenadier and Barrett shoals on chart 440 not visible on photographs, therefore are not compiled. Same for shallow area extending southeastward from Bloody Point.

C&GS FORM 1002
(11-13-61)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

AT-10368 T-12621

1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE CHB
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CHB	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 CHB	10. PHOTOGRAMMETRIC PLOT REPORT Bridge (W.O.)	11. DETAIL POINTS Kelsh
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CHB	13. LOW-WATER LINE CHB	14. ROCKS, SHOALS, ETC. XX	15. BRIDGES XX
16. AIDS TO NAVIGATION CHB	17. LANDMARKS CHB	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB	19. OTHER ALONGSHORE CULTURAL FEATURES CHB
PHYSICAL FEATURES			
20. WATER FEATURES CHB	21. NATURAL GROUND COVER CHB		22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES CHB
CULTURAL FEATURES			
27. ROADS CHB	28. BUILDINGS CHB	29. RAILROADS XX	30. OTHER CULTURAL FEATURES CHB
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES CHB	34. JUNCTIONS CHB		35. LEGIBILITY OF THE MANUSCRIPT CHB
36. DISCREPANCY OVERLAY XX	37. DESCRIPTIVE REPORT CHB	38. FIELD INSPECTION PHOTOGRAPHS CHB	39. FORMS CHB
40. REVIEWER CHB		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 Swamp and marsh on Daufuskie Island changed to agree with field inspection.			

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

TO BE CHARTED
TO BE REVISED
TO BE DELETED

STRIKE OUT TWO.

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

ATLANTIC MARINE CENTER

Dec. 30 19 65

I recommend that the following objects which have ~~(inserted)~~ 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

C. Bishop

J. Bull, Director, AMC

Chief of Party

STATE	SOUTH CAROLINA - GEORGIA			SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION verified	HARBOR CHART	NEARBY CHART	OTHER CHART	CHARTS AFFECTED	
	CHARTING NAME	DESCRIPTION	LATITUDE		LONGITUDE		DATUM										
			°		'	°		'									
		SAVANNAH RIVER															
		TYBEE RANGE FRONT LIGHT		32 00	12.418	80 48	17.256	NA 1921						X			440
		1964 L.L. No. 4547			382.5		452.9							X			1240
					95.6		113.2										
		TYBEE LIGHT		32 01	19.301	80 50	14.985	"						X			440
		(TYBEE LIGHTHOUSE 1932)			594.5		1180.5							X			1240
		L. L. No. 4324, 4548															
		BLOODY POINT RANGE FRONT LIGHT		32 02	30.533	80 49	40.514	"						X			440
		1964 L.L. No. 4553			940.4		1062.9							X			1240
		BLOODY POINT RANGE REAR LIGHT		32 03	17.590	80 50	23.135	"						X			440
		1964 L.L. No. 4554			541.8		606.9							X			1240
		JONES ISLAND RANGE FRONT LIGHT		32 02	30.954	80 51	10.695	"						X			440
		1964 L.L. No. 4559			953.4		280.6							X			1240
		JONES ISLAND RANGE REAR LIGHT		32 02	39.669	80 51	40.736	"						X			440
		1964 L.L. No. 4560			1221.8		1068.7							X			1240

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, 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.

* TABULATE SECONDS AND METERS

TO BE CHARTED
TO BE REVISED
~~TO BE OBSOLETE~~

STRIKE OUT TWO

NON-DIAGONALIZABLE LANDMARKS FOR CHARTS

ATLANTIC MARINE CENTER

Dec. 30 1965

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

The positions given have been checked after listing by

C. Bishop

J. Bull, Director, AWC

Chief of Party

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, 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.

* TABULATE SECONDS AND METERS

REVIEW REPORT T-12621

SHORELINE

July 29, 1971

61. GENERAL STATEMENT:

Summary on page 6 of this Descriptive Report.

An ozalid comparison print, pages 29 through 31, with differences noted in Items 62 through 65, is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Survey T-6154 b, scale 1:10,000, dated 1934 and with Survey T-5134, scale 1:20,000, dated 1933. T-5134 covers Hilton Head Island and Daufuskie Island; T-6154 b, a planetable control sheet, covers only a short section of shoreline that no longer exists at the north end of Tybee Island. Differences between these maps and T-12621 are shown in blue on the comparison print.

At the time of compilation of T-12621, the Daufuskie Island shoreline was approximately 60 meters inshore from that indicated on T-5134, and Braddock Point on Hilton Head Island had extended to the southwest about 300 meters from the T-5134 shoreline.

T-12621 supersedes T-6154 b and T-5134 for charting purposes and will be superseded by parts of TP-00077, TP-00078, and TP-00079, Project PH-70101, when they are completed.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with A.M.S. SHEET 4848 III SE, Series V 845 (SAVANNAH BEACH NORTH, GA., S.C.) scale 1:25,000, published in 1957. Differences between this map and T-12621 are shown in brown on the comparison print.

Stream beds on Tybee Island seem to have shifted, small differences in shoreline were noted on the north side of Tybee Island, Daufuskie Island shoreline on T-12621 is approximately 60 meters inshore from the A.M.S. shoreline, and T-12621 shoreline at Braddock Point is approximately 100 meters west of the A.M.S. shoreline.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with verified copies of smooth sheets for H-5571, scale 1:10,000, dated 1934 (Daufuskie and Hilton Head Islands), and with H-5592, scale 1:10,000, dated 1934 (Tybee Island). Differences between these surveys and T-12621 are shown in purple on the comparison print.

The same differences exist between T-5571 and T-12621 as exist between T-5134 and T-12621, except as noted on the comparison print.

There is a large difference between H-5592 and T-12621 at the north end of Tybee Island; the island has eroded about 400 meters at this point.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 440, scale 1:40,000, 35th edition, dated July 25, 1970. Differences between this chart and T-12621 are shown in red on the comparison print.

A wreck charted at lat. $34^{\circ} 01.4'$, long. $80^{\circ} 50.2'$ is also indicated on H-5592 and the A.M.S. Sheet. It is not visible on the photographs.

Groins indicated at Braddock Point are not visible on the photographs.

The shape of the charted shoreline of Beach Hole Creek, lat. $30^{\circ} 07'$, long. $80^{\circ} 49.5'$, is not the same as that visible on the photographs.

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
July 29, 1971


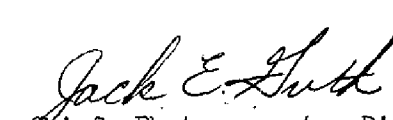

Approved for forwarding:

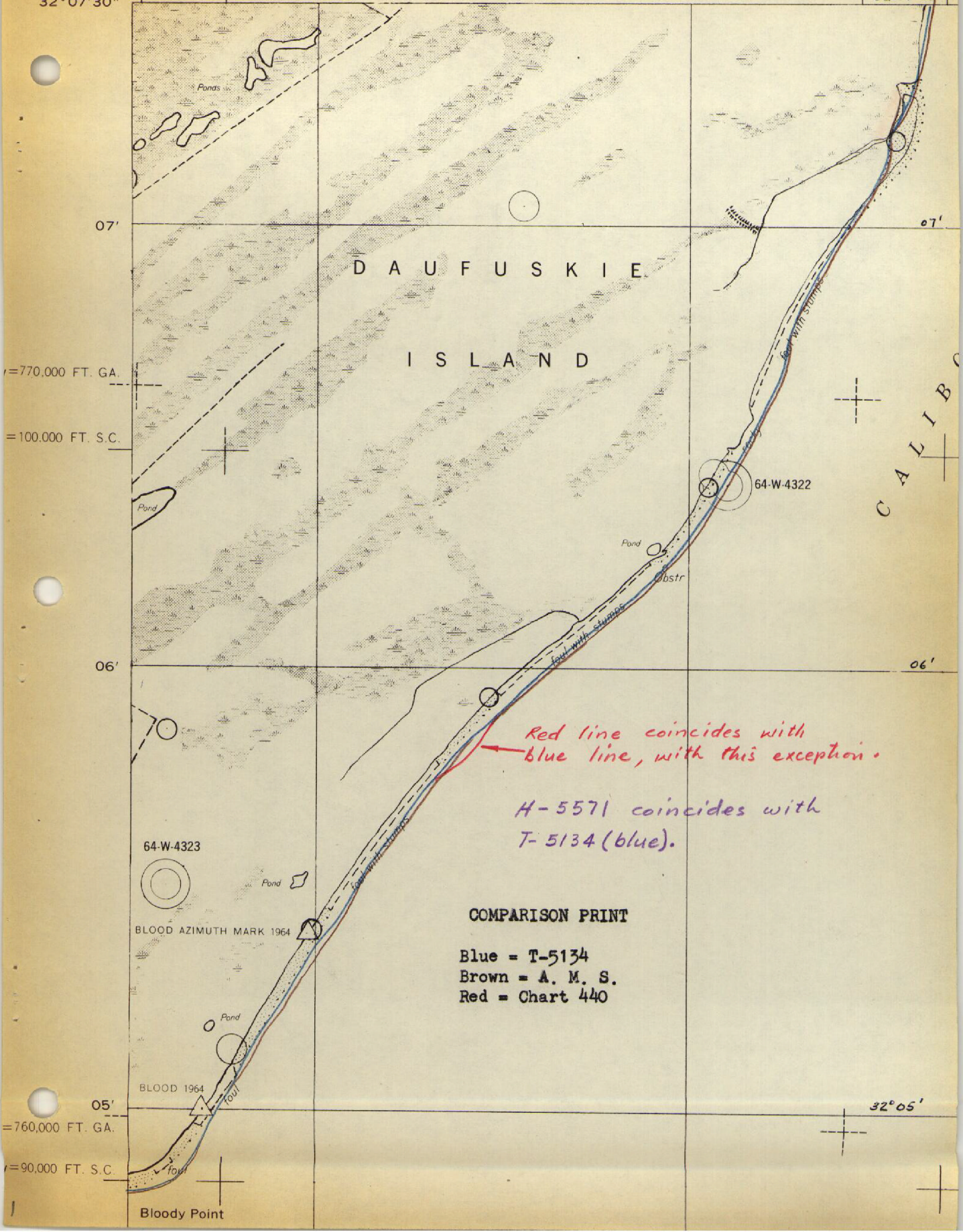

Melvin J. Umbach, CDR., NOAA
Chief, Photogrammetry Division, A.M.C.

Approved:


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

Approved:

 
Chief, Photogrammetric Branch  Chief, Photogrammetry Division



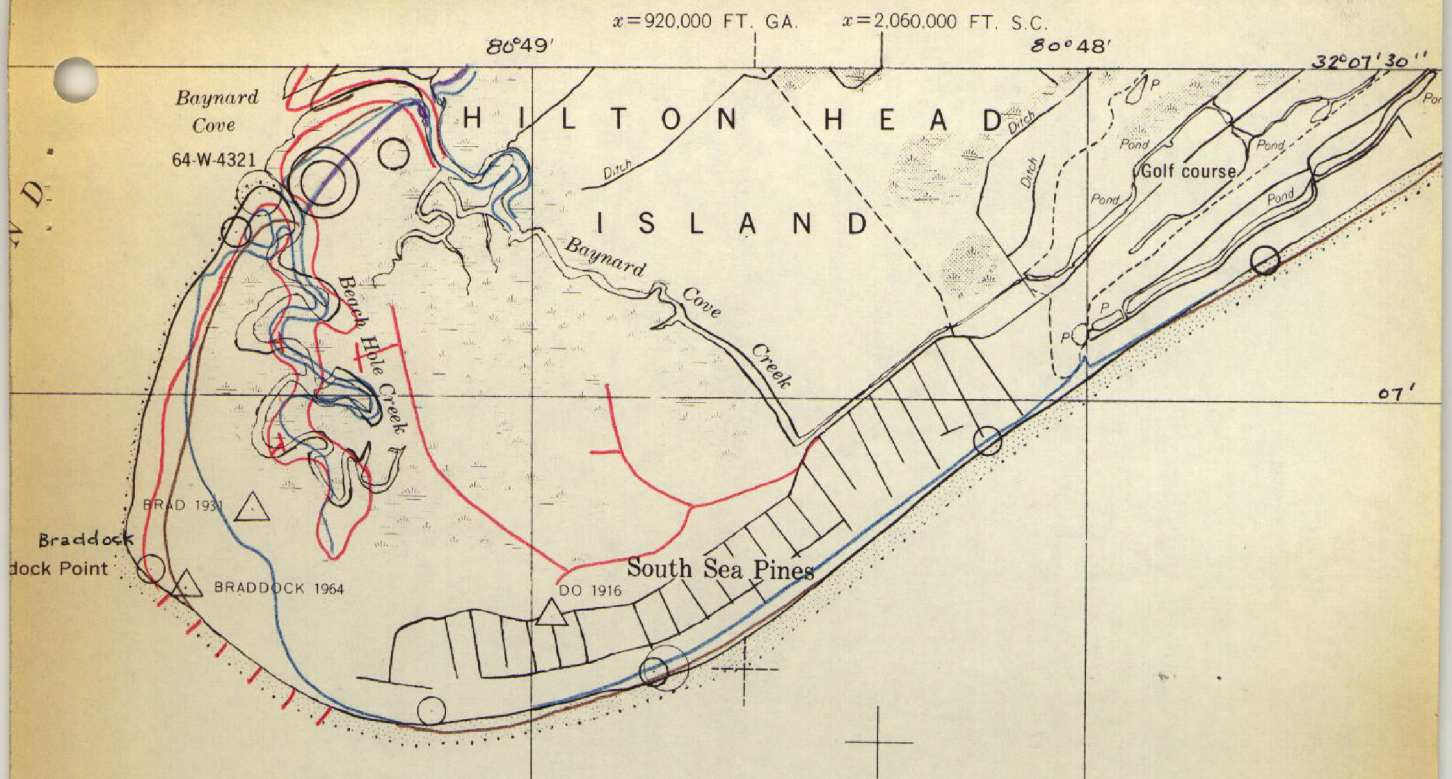
DAUFUSKIE
ISLAND

Red line coincides with
blue line, with this exception.

H-5571 coincides with
T-5134 (blue).

COMPARISON PRINT

- Blue = T-5134
- Brown = A. M. S.
- Red = Chart 440



Purple coincides with blue, except
where otherwise indicated.

COMPARISON PRINT

Blue = T-5134
Brown = A. M. S.
Purple = H-5571
Red = Chart 440

breakers

JONES ISLAND RANGE REAR LIGHT 1964

JONES ISLAND RANGE FRONT LIGHT 1964

Old pile structure (10)

Old pile structure (10)

Jetty

SAVANNAH RIVER

263° TRUE

288° TRUE

COMPARISON PRINT

3 2 ° 0 2'

Blue = 6154b
Brown = A. M. S.
Purple = H-5592
Red = Chart 440

Tybee Knoll Spit

WEST BASE (USE) 1932

Fort Screven

TYBEE LIGHTHOUSE 1932 ht=150 (155)

also H-5592
also chart 440

80 26

TYBEE ISLAND

64-W-4336

SAVANNAH BEACH MUNICIPAL TANK 1964 (steel) ht=158 (163)

Savannah Beach

52'30"

80°52'

x=2 040,000 FT. S.C.

51'

x=910,000 FT. GA.

32°00'00"

80°50'

x=2,050,000 FT. S.C.

