

TP-00278

NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

Type of Survey ... Shoreline

Job No. ... PH-7101 ... Map No. ... TP-00278

Classification No. ... Edition No. ... 1

Field Edited Map

LOCALITY

State ... South Carolina and Georgia

General Locality ... Charleston to Savannah

Locality ... Savannah Beach

19 70 TO 1974

REGISTRY IN ARCHIVES

DATE

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR
TO REGISTRATION

NOAA FORM 76-36A
(3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

TYPE OF SURVEY

SURVEY TP. 00278

☒ ORIGINAL

MAP EDITION NO. (1)

TYPE OF SURVEY

IOB

PH

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00278
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S)

Wild RC-8 "E" and "L"

TYPES OF PHOTOGRAPHY
LEGEND

TIME REFERENCE

TIDE STAGE REFERENCE SAVANNAH RIVER

☒ PREDICTED TIDES ENTRANCE☐ REFERENCE STATION RECORDS☐ TIDE CONTROLLED PHOTOGRAPHY

(C) COLOR X

(P) PANCHROMATIC

(I) INFRARED X

ZONE

Eastern

MERIDIAN

75°W

☒ STANDARD☐ DAYLIGHT

TP-00278

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION				☐ FIELD EDIT OPERATION			
OPERATION		NAME		DATE			
1. CHIEF OF FIELD PARTY		J.K. Wilson		11/1970			
2. HORIZONTAL CONTROL		RECOVERED BY		R.E. Kesselring		11/1970	
		ESTABLISHED BY		NA			
		PRE-MARKED OR IDENTIFIED BY		R.E. Kesselring		11/1970	
3. VERTICAL CONTROL		RECOVERED BY		NA			
		ESTABLISHED BY		NA			
		PRE-MARKED OR IDENTIFIED BY		NA			
4. LANDMARKS AND AIDS TO NAVIGATION		RECOVERED (Triangulation Stations) BY		NA			
		LOCATED (Field Methods) BY		NA			
		IDENTIFIED BY		NA			
5. GEOGRAPHIC NAMES INVESTIGATION		TYPE OF INVESTIGATION					
		☐ COMPLETE		BY		NA	
		☐ SPECIFIC NAMES ONLY					
		☐ NO INVESTIGATION					
6. PHOTO INSPECTION		CLARIFICATION OF DETAILS BY		NA			
7. BOUNDARIES AND LIMITS		SURVEYED OR IDENTIFIED BY		NA			
II. SOURCE DATA							
1. HORIZONTAL CONTROL IDENTIFIED				2. VERTICAL CONTROL IDENTIFIED			
Premarked							
PHOTO NUMBER		STATION NAME		PHOTO NUMBER		STATION DESIGNATION	
		South End (USE) 1932 R.M. 2					
3. PHOTO NUMBERS (Clarification of details)							
NA							
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED							
NA							
PHOTO NUMBER		OBJECT NAME		PHOTO NUMBER		OBJECT NAME	
5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE				6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE			
7. SUPPLEMENTAL MAPS AND PLANS							
None							
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)							
1 - Form 152							

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00278
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	LT(jg) R.D. Black	Jan-May 1974
2. HORIZONTAL CONTROL	RECOVERED BY LT(jg) R.D. Black	Jan-May
	ESTABLISHED BY	
	PRE-MARKED OR IDENTIFIED BY	
3. VERTICAL CONTROL	RECOVERED BY	
	ESTABLISHED BY	
	PRE-MARKED OR IDENTIFIED BY	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LT(jg) R.D. Black	Jan-May
	LOCATED (Field Methods) BY LT(jg) R.D. Black	Jan-May
	IDENTIFIED BY LT(jg) R.D. Black	Jan-May
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY BY ☒ NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY LT(jg) R.D. Black	Jan-May
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

71 E 2250R, 2251R, 2252R

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
71E2252R	TYBEE KNOLL CUT RANGE FRONT LIGHT		

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

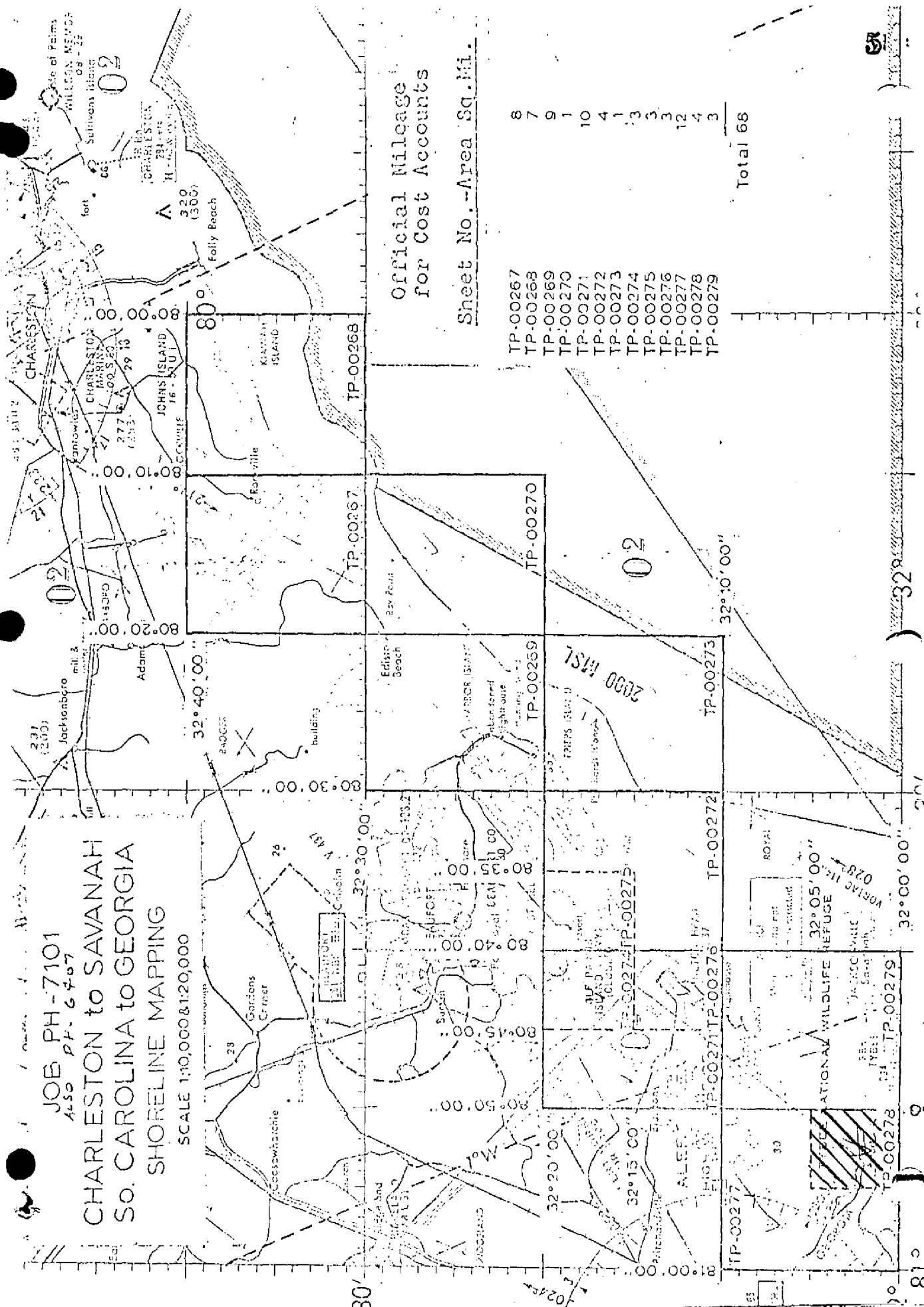
4 forms NOAA 76-40; 3 forms C&GS 157; 6 forms C&GS 526.

NOAA FORM 76-36D (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION		
TP-00278 RECORD OF SURVEY USE				
I. MANUSCRIPT COPIES				
COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Manuscript complete pending field edit	1/ /74	Class III Manuscript Superseded	2/4/74	1/24/73 Field edit
Field edit applied Compilation complete	7/ /74	Class I Superseded	9/10/74	
Final Review	12/ /75		1/30/76	
II. LANDMARKS AND AIDS TO NAVIGATION				
1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH				
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS	
	97174	7/31/74	Nonfloating Aids	
	97174	7/31/74	Landmarks	
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 7/31/74				
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____				
III. FEDERAL RECORDS CENTER DATA				
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.				
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS ⁷⁶⁻¹⁰ 502 SUBMITTED BY FIELD PARTIES.				
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:				
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____				
IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)				
SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL	

JOB PH-7101
ALSO PH-6407

CHARLESTON to SAVANNAH SO. CAROLINA to GEORGIA SHORELINE MAPPING

SCALE 1:10,000 & 1:20,000



Official Mileage for Cost Accounts

Sheet No. --Area Sq. Mi.

TP-00267	8
TP-00268	7
TP-00269	9
TP-00270	1
TP-00271	10
TP-00272	4
TP-00273	1
TP-00274	3
TP-00275	3
TP-00276	3
TP-00277	12
TP-00278	4
TP-00279	3

Total 68

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT TP-00278

This 1:10,000 scale shoreline manuscript is one of nine 1:20,000 scale and four 1:10,000 scale manuscripts that comprise Project PH-7101, Charleston, SC to Savannah, GA. This is one of several projects that make up SCOPE, the Southern Coastal Plains Expedition. This sheet lies entirely within the limits of the 1:20,000 scale sheet TP-00277. It is not a standard shoreline survey because compilation was limited to the ocean shoreline and only a limited amount of interior detail. Shoreline of bays, inlets, canals or rivers that may be within the geographic limits of this map were not delineated. This deviation from written instructions was brought about by verbal instructions telephoned from the Rockville office to the Chief, Coastal Mapping Section, AMC.

Field work prior to compilation consisted of taking a reference measurement to the mean high and mean low water lines and premarking horizontal control required for bridging.

Aerotriangulation was done in the Rockville office on the 1:40,000 scale color photography dated November, 1970. Pass points common to the 1:30,000 scale infrared tide coordinated photography were dropped for ordering ratios.

Compilation was done at the Atlantic Marine Center in January, 1974. The Wild B-8 Plotter, utilizing the 1:40,000 scale color bridging photography, was used to compile inshore planimetry and to drop shoreline pass points common to the 1:30,000 scale infrared tide controlled mean high and mean low water ratios. These ratios were then used to graphically compile the mean high and mean low water lines. The reference measurement referred to in paragraph 2 was used to verify the photo interpretation of those lines on the tide controlled photography.

Field edit was done in January and May, 1974.

Final review was done at the Atlantic Marine Center in December, 1975.

The original manuscript is a stabilene sheet 5 minutes in latitude by 5 minutes in longitude.

A stable base copy and a negative of the final reviewed manuscript were forwarded for record and registry.

Photogrammetric Plot Report
Charleston to Savannah
South Carolina and Georgia
Job PH - 710F

21. Area Covered

This report covers nine 1:20,000 sheets, TP-00267, TP-00268, TP-00269, TP-00270, TP-00271, TP-00272, TP-00273, TP-00277, TP-00279 and four 1:10,000 sheets, TP-00274, TP-00275, TP-00276, and TP-00278 from Kiawah River, South Carolina, to Tybee Island, Georgia.

22. Method

Eight strips 1:40,000 scale color photography were bridged by analytic aerotriangulation methods and adjusted to ground on South Carolina South State Plane coordinate system. Bridge points were used on 1:30,000 scale infrared photography for ratioing photographs to be used in compiling the Mean Low- and Mean High-Water Line. Ratio prints of infrared photography covering Mean Low- and Mean High-Water were ordered. (One each of cronapaque). Tie points were used to augment datum between strips. Data for plotting manuscripts for compilation were assembled for ruling and plotting by the Coradomat and Calcomp.

23. Adequacy of Control

The horizontal control provided was adequate except for Fusky (USE) 1932 sub stations A and C, which held in strip one and did not hold in strip two, because of poor image points. Also, Chan, 1933, substation A and C did not hold in strip four because of poor image points.

All other control held within the accuracy required by National Standards of Map Accuracy at 1:20,000 and 1:10,000 scale.

24. Supplemental Data

U.S. Geological Survey quadrangles were used to provide elevations for vertical adjustments of bridges.

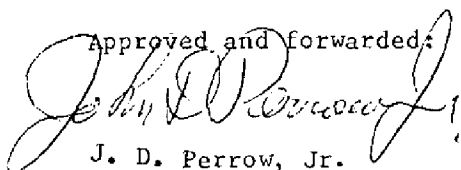
25. Photography

RC-8 color film positives were adequate as to coverage, overlay, and definition.

Submitted by,

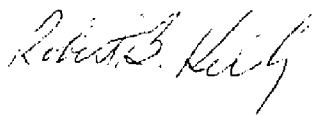
Robert B. Kelly

Approved and forwarded:



J. D. Perrow, Jr.

Chief, Aerotriangulation Section



PH-7101
Charleston to Savannah

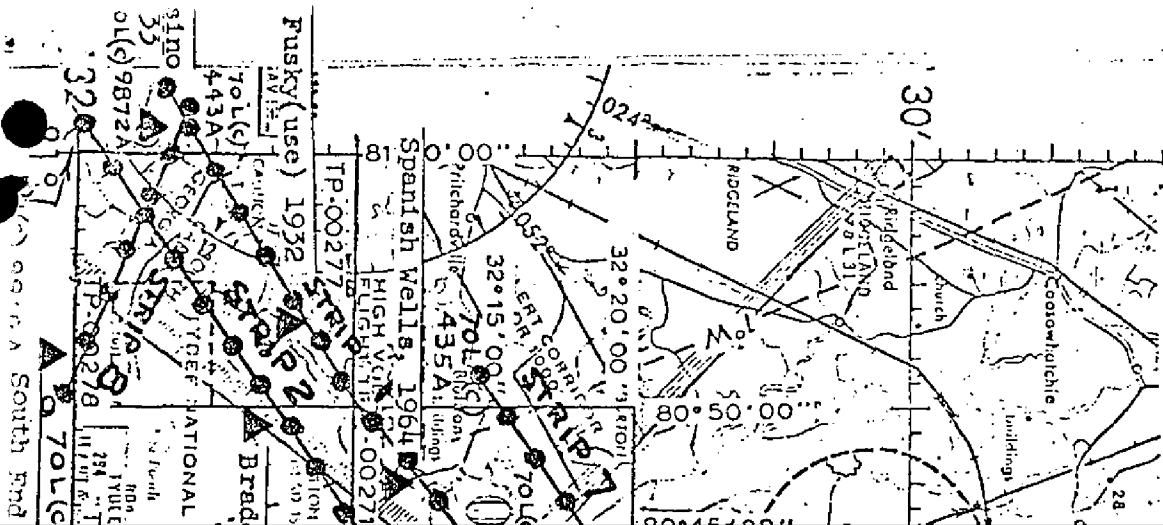
NOTE TO COMPILER

Foreshore Cross Section points listed below were omitted during bridging. Points should be dropped during compilation.

Section II	68-01
Section VII	69-01
Section VIII	69-02
Section IX	73-01
Section XIII	79-01

9

SCALE 1:10,000



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.		JOB NO.		GEODEIC DATUM		ORIGINATING ACTIVITY		
STATION NAME		SOURCE OF INFORMATION (Index)		COORDINATES IN FEET STATE <u>South Carolina</u> ZONE <u>South</u>		GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE		REMARKS
TP-00277 - TP-00278	PH-7101							
BLOODY POINT RANGE REAR LIGHT, 1964	Vol. III Pg. 431			x=	φ 32° 03' 17.590"			
				y=	λ 80° 50' 23.135"			
FORT PULASKI, 1963	Quad. 320- 803			x=	φ 32° 01' 38.952"			
	STA 1044			y=	λ 80° 53' 27.569"			
TYBEE LIGHTHOUSE, 1932	Quad. 320- 803			x=	φ 32° 01' 19.301"			
	STA 1052			y=	λ 80° 50' 44.985"			
SAVANNAH BEACH MUNI- CIPAL WATER TANK, 1934	Quad. 320- 803			x=	φ 32° 00' 39.717"			
	STA 1058			y=	λ 80° 50' 31.690"			
JONES ISLAND RANGE FRONT LIGHT, 1964	Vol. III Pg. 432			x=	φ 32° 02' 30.954"			
				y=	λ 80° 51' 10.695"			
JONES ISLAND RANGE REAR LIGHT, 1964	Vol. III Pg. 433			x=	φ 32° 02' 39.669"			
				y=	λ 80° 51' 40.736"			
COCKSPUR LIGHTHOUSE, 1902	Quad. 320- 803			x=	φ 32° 01' 20.912"			
	STA 1055			y=	λ 80° 52' 48.601"			
BLOOD, 1964	Bridge Form 164 Pg. 1			x= 2,039,737.70 ✓	φ			
				y= 90,977.31 ✓	λ			
				x=	φ			
				y=	λ			
				x=	φ			
				y=	λ			
COMPUTED BY F.R. Gustafson		DATE 11/15/73	COMPUTATION CHECKED BY L.B. Foltz			DATE 11/15/73		
LISTED BY		DATE	LISTING CHECKED BY			DATE		
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY			DATE		

COMPILATION REPORT

TP-00278

31. DELINEATION

Delineation was by the Wild B-8 stereoplotter.

Photography was adequate. This map was photo-reduced after application of field edit and then retraced on to map TP-00277.

32. CONTROL

See the attached "Photogrammetric Plot Report, dated: Dec., 1973.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

Alongshore details were delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

The mean high water line and mean low water lines were delineated from the tide coordinated photographs.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

Copies of Form 76-40 for 8 non-floating aids to navigation and 3 landmarks were forwarded to the Rockville, MD office on July 24, 1974. These forms apply also to map TP-00277.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

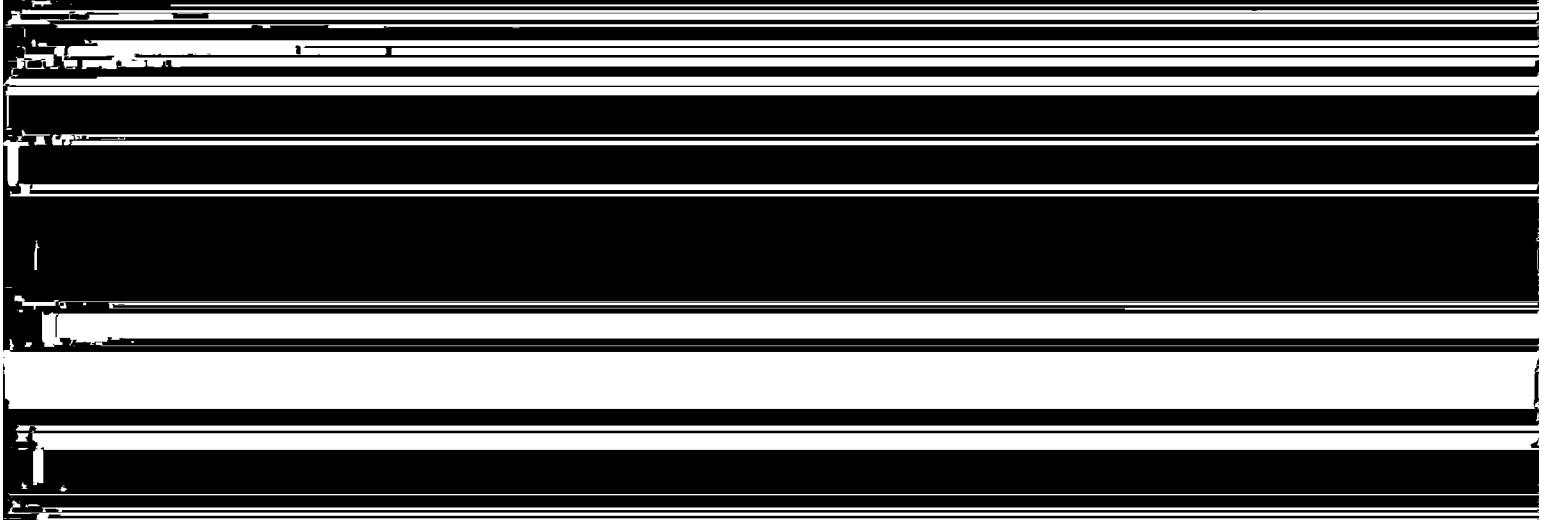
See the attached Form 76-36b, item #5 of the Descriptive Report, concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement required

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with the following U.S. Geological Survey Quadrangles: FORT PULASKI, SC-GA, dated 1955; photo-revised 1971, scale 1:24,000. SAVANNAH BEACH, NORTH,



19 August 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7101 (Charleston, S. C. to Savannah, Ga.)

TP-00278

Atlantic Ocean

Bloody Point

Cockspur Island

Daufuskie Island

Fort Pulaski

Fort Pulaski National Monument

Fort Screven

Horseshoe Shoal

Lazaretto Creek

New River

Oyster Bed Island

Savannah Beach

Savannah River

South Channel

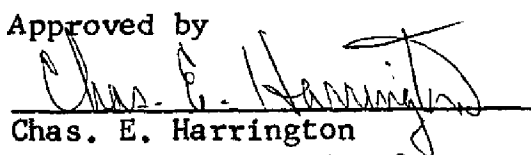
Turtle Island

Tybee Island

Tybee Knoll Spit

Tybee National Wildlife
Refuge

Approved by


Chas. E. Harrington
Staff Geographer-C51x2

PHOTOGRAMMETRIC OFFICE REVIEW

TP-00278

1. PROJECTION AND GRIDS RRW	2. TITLE RRW	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY RRW	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) NA		7. PHOTO HYDRO STATIONS RRW
8. BENCH MARKS NA	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT RRW	11. DETAIL POINTS
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE RRW	13. LOW-WATER LINE RRW	14. ROCKS, SHOALS, ETC. RRW	15. BRIDGES
16. AIDS TO NAVIGATION RRW	17. LANDMARKS RRW	18. OTHER ALONGSHORE PHYSICAL FEATURES RRW	19. OTHER ALONGSHORE CULTURAL FEATURES
PHYSICAL FEATURES			
20. WATER FEATURES	21. NATURAL GROUND COVER NA		22. PLANETABLE CONTOURS NA
23. STEREOSCOPIC INSTRUMENT CONTOURS NA	24. CONTOURS IN GENERAL NA	25. SPOT ELEVATIONS NA	26. OTHER PHYSICAL FEATURES RRW
CULTURAL FEATURES			
27. ROADS RRW	28. BUILDINGS RRW	29. RAILROADS	30. OTHER CULTURAL FEATURES
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES RRW	34. JUNCTIONS RRW		35. LEGIBILITY OF THE MANUSCRIPT RRW
36. DISCREPANCY OVERLAY RRW	37. DESCRIPTIVE REPORT RRW	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS RRW
40. REVIEWER Richard R. White 1/1974		SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> A.C. Rauck, Jr.	
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 Richard R. White 7/1974		SUPERVISOR <i>Albert C. Rauck, Jr.</i> A.C. Rauck, Jr.	
Reviewed by: F. Margiotta 8/28/74			
43. REMARKS			

FORESHORE CROSS-SECTIONS

CHARLESTON, SOUTH CAROLINA TO SAVANNAH, GEORGIA

JOB PH-7101

Sixteen foreshore cross-sections were taken between Folly Island, South Carolina, and Tybee Island, Georgia, a linear distance of approximately seventy miles. Twelve sections were positioned from triangulation and/or traverse stations and two sections, II and XIII, were located from photo points with sun azimuths. Section IX was located from a triangulation station using a photo point for an azimuth and section VII was run parallel to a relatively long pier.

Vertical control for sections I thru VI, VIII and IX was taken from the tide staff at Edisto Beach, South Carolina. Section VII was based on a temporary tide staff installed at Harbor River Entrance, South Carolina, and a temporary tide staff placed at Skull Creek (North Entrance) provided

One typical section and three atypical sections were plotted to give the compiler an idea of what was done and to show the method of location. These sections, the field book, pricking cards, sun azimuths, color contact photographs and charts showing the individual section locations are included with this report.

Richard E. Kesselring

Richard E. Kesselring
Survey Tech.
May 3, 1971

FIELD EDIT REPORT

TP-00278

Savannah Beach, Georgia

PH-7101

May, 1974

51. METHODS

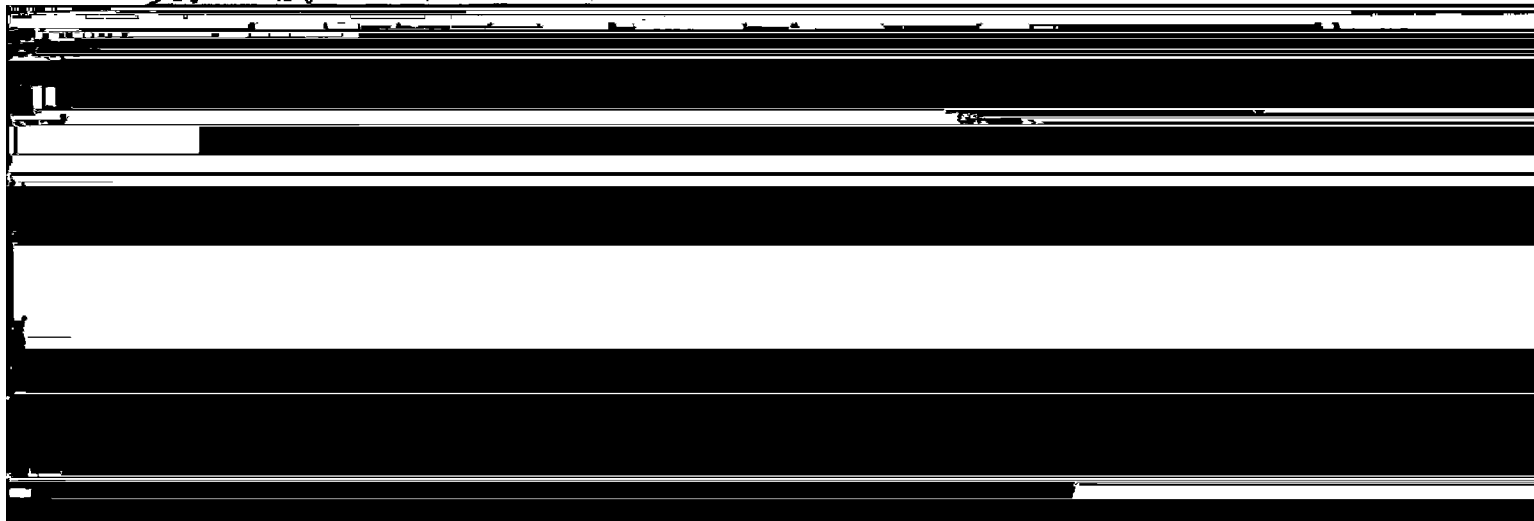
All field work was done in accordance with the AMC Manual, current Photo Instructions and Project Instructions OPR-436-WH-74, "Coasts of South Carolina and Georgia" dated November 16, 1973 addressed to Chief, Atlantic Hydrographic Party.

An inspection of all shoreline and alongshore features was made, and all deletions, additions, corrections, and verifications are either shown or indexed on the field edit ozalid. All field edit notes are in violet to indicate additions or changes, and in green to indicate deletions.

The positions of the Jones Island range lights, Tybee Lighthouse and Bloody Point Range Rear Light were verified by theodolite cuts. The positions of the daymarks next to Bloody Point Range Rear Light were determined by theodolite intersection. Tybee Knoll Cut Range Front Light was photo identified. Savannah River South Channel Light 5 was located by sextant intersection. The positions of Savannah River South Channel Light 3 and Lazaretto Creek Light 2 were verified by sextant cuts. The steel frame tower on Turtle Island was located by Photo Party 62 in 1973, and the position determined by this party has been entered on the NOAA form 76-40.

The "causeway ruins" (lat. $32^{\circ}03.0'$, Long. $80^{\circ}54.2'$) were searched for by boat on 12 April, 1974. Both shorelines were inspected. No sign of this reported feature was found. The water was extremely murky at the time of the search.

The positions of features along the eastern and northern shoreline of Savannah Beach were determined by photo inspection.

52. ADEQUACY OF COMPILATION

A few groins along the east shoreline of Savannah Beach were missed during compilation, and one was compiled which is not present. (lat. $32^{\circ}01.4'$, long. $80^{\circ}50.7'$). A bulkhead which exists along most of the east shoreline of Tybee Island was not compiled. All corrections are noted on the field edit ozalid.

54. RECOMMENDATIONS

None.

56. GEOGRAPHIC NAMES

No discrepancies were found while editing this sheet

57. LANDMARKS AND NONFLOATING AIDS TO NAVIGATION

Three landmarks and ten nonfloating aids to navigation are recommended for charting. Two of the aids are daymarks on dolphins next to Bloody Point Range Rear Light. These are not listed in the Light List and are not numbered. They are possibly U.S. Corps of Engineers dredge markers. However, their prominence and permanence qualify them as legitimate aids to navigation.

58. FIELD EDITORS

Field edit was performed by LT. (j.g.) Richard D. Black and Mr. Michael F. Sutphin of Photo Party 61.

Respectfully Submitted,

Richard D. Black

Richard D. Black
LT. (j.g.) NOAA
Chief, Photo Party 61

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION									
UNFLOATING AIDS					FOR CHARTS				
STATE		LOCALITY		DATE		ORIGINATING ACTIVITY			
South Carolina		Charleston, SC to Savannah, GA		12/1975		☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ PHOTO FIELD PARTY ☐ COMPILATION ACTIVITY ☒ FINAL REVIEWER ☐ QUALITY CONTROL & REVIEW GRP. ☐ COAST PILOT BRANCH (See reverse for responsible personnel)			
SURVEY NUMBER		DATUM		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED			
TP-00278		N.A. 1927							
DESCRIPTION of landmark or aid to navigation. Name, where applicable, in parentheses.	LATITUDE		LONGITUDE		OFFICE	FIELD			
	° / ' "	D.M. Meters	° / ' "	D.P. Meters					
Range Front	32 02	30.954	80 51	10.695	71E(I)2337	Verif. 3/8/74	440 571 1240		
Range Rear	32 02	39.669	80 51	40.736	71E(I)2337	Verif. 3/8/74	440 571 1240		
Range Rear	32 03	17.590	80 50	23.135	No Photo coverage	Verif. 3/8/74	440 571 1240		
at Range Front	32 01	59.3	80 53	55.0		P.I. 4/5/74	839-SC 440 1240		
r South Channel	32 01	1825 80	53	1444	71E(I)2337	Verif. 4/5/74	440 1240		
r South Channel	32 01	1167 80	51	302		F.3.c. 4/9/74	440 1240 1241		
ak Light	32 01	08.2	80 52	47.5	71E(I)2337	Verif. 4/5/74	440 1240 1241		
ange) Light ouse, 1932) ht. = 147(152) ft.	32 01	19.301	80 50	44.985	71E(I)2337	Triang. Rec. 3/8/74	440 1240 1241		
	32 01	594.580	50	180.5			17		

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	Richard D. Black
POSITIONS DETERMINED AND/OR VERIFIED	Richard D. Black
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	Richard R. White
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64)	
OFFICE	Billy H. Barnes
1. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions* require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-1 8-12-75 *FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.

[illegible]

OBJECTS INSPEC	FORMS ORIGINAL AND REVIEW GRD ACTIVITIES	POSITIONS DETE	OFFICE 1. OFF Ente day ider EXAN	FIELD 1. NEW Ente F - L - V - 1 - 2 - 3 - 4 - A. F E	*FIELD P vations
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REVIEW REPORT TO-00278

SHORELINE

December 1975

61. GENERAL STATEMENT:

See Summary, which is page six of this Descriptive Report.

A comparison print showing differences noted in paragraphs 62 through 65 is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with T-12620, scale 1:20,000, dated December 1965 and T-12811, scale 1:10,000, dated July, 1965. Significant differences are shown in blue on the comparison print. In the area covered, TP-00278 supersedes T-12620 and T-12811 for nautical chart construction purposes. T-12620 and T-12811 are the latest registered prior surveys of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with U.S.G.S. Quadrangles SAVANNAH BEACH NORTH, SC-GA and FORT PULASKI, SC-GA, both dated 1955 (Photorevised 1971) at a scale of 1:24,000. Significant differences are shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with a copy of H-9459 (AHP-10-5-74) smooth sheet dated 1974 at a 1:10,000 scale. The shoreline shown on the smooth sheet was taken from the Class I manuscript. Several errors and discrepancies on the Class I manuscript were found and resolved during final review. A copy of the final reviewed map was given to hydrographic pro-

cessing for application to the verified smooth sheet for H-9459. These and other differences are shown in purple on the comparison print.

65. COMPARISON WITH NAUTICAL CHARTS:

The area covered by this map is within the limits of NOS Chart 11512, scale 1:40,000, 40th edition, dated June 1975. There is an inlet between Oyster Bed Island and Turtle Island that has a ruins symbol shown across it. It could not be seen on the photography and the field editor stated it was not visible at an on-site inspection. This and other differences are shown in red on the comparison print.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Project Instructions, except as explained in Summary and meets the requirements for Bureau Standards and the National Standards of Map Accuracy.

Reviewed by:

Billy H. Barnes

Billy H. Barnes
Cartographer
December, 1975

Approved for forwarding:

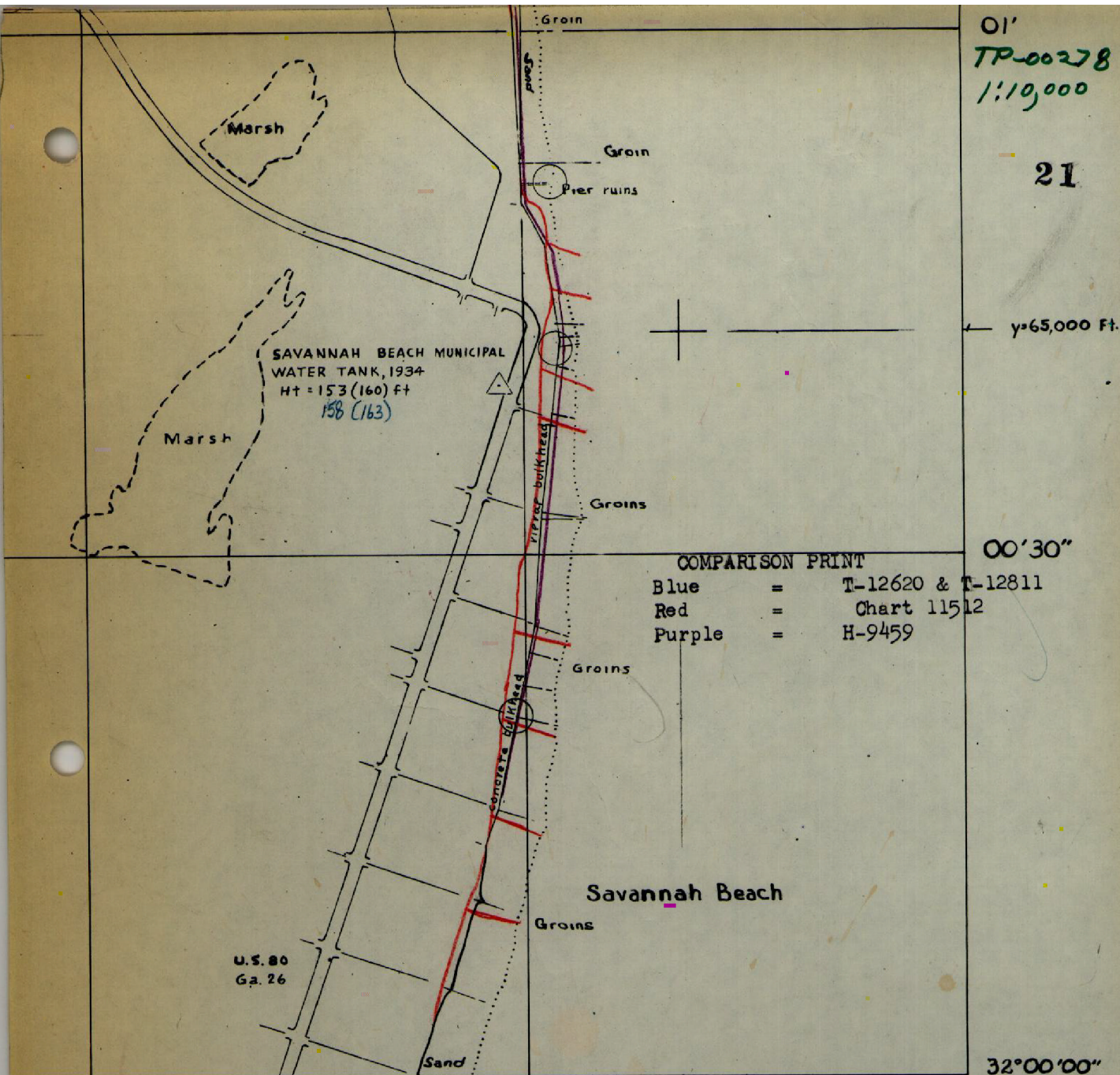
Joseph W. Vonasek

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division



X=2,050,000 Ft.

NATIONAL OCEAN SURVEY
SHORELINE MANUSCRIPT
TP-00278

SOUTH CAROLINA AND GEORGIA
CHARLESTON TO SAVANNAH
SAVANNAH BEACH

SCALE 1:10,000

(1 inch = 833.33 ft.)

CONTROL DATA

Polyconic projection: 1827 North American Datum
5,000 foot grid based on South Carolina (Zone 2) plane coordinate system
Datum plane: Mean High Water

TP-00278
1:10,000

COMPARISON PRINT

Blue = T-12620 & T-12811
Red = Chart 11512
Purple = H-9459
Brown = USGS

23

Pile

Shoal

Marsh

Horseshoe

Oyster Bed Island

Tybee National Wildlife Refuge

Trail

Marsh

Sand

Sand

32° 03'

32° 03' 30"

80° 54' 30"

80° 54' 00"

80° 55' 00"

COMPARISON PRINT

Blue = T-12620 & T-12811
 Red = Chart 11512
 Purple = H-9459
 Brown = USGS

TP-00278

1:10,000 24

32° 02'

○ TYBEE KNOLL CUT
 RANGE FRONT LIGHT

○ Pile

Conc
 foundation

Cockspur

Fort Pulaski
 National Monument

Parking

FT. PULASKI, 1963

Moat

Road on Dike

FORT
 PULASKI

Marsh

32° 01' 30"

Bridge

SOUTH

CHANNEL

obstruction

Marsh

Marsh

32° 01' 00"

ditch

road

ditch

Marsh

LAZARETTO

Savannah
 Beach

Bridge

80° 54' 10"

80° 53' 30"

80° 53' 00"

SAVANNAH

RIVER

TP-00278

1:10,000

25

foul

Jetty ruins

Sand

foul

rock jetty submerged at high water

Sand

COMPARISON PRINT

Blue = T-12620 & T-12811

Purple = H-9459

Brown = USGS

Tybee Knoll Spit

32° 01' 30"

OLD TOWER ht = 36 (36) ft
(COCKSPUR LIGHTHOUSE, 1902)

CREEK

LAZARETTO CREEK
LIGHT 2

Shoreline on H-9459
from Class I manuscript,
Shoreline was corrected in
Final Review

SAVANNAH RIVER
SOUTH CHANNEL
LIGHT 5

Oyster shells

Marsh

Marsh

ditches

32° 01' 00"

80° 52' 30"

80° 52' 00"

80° 51' 30"