

TP-00274

TP-00274

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-00274 .....

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

Field Edited Map

## LOCALITY

State South Carolina &amp; Georgia .....

General Locality Charleston to Savannah .....

Locality ..... CALIBOGUE SOUND .....

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1970 TO 1974

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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 <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY TP. <u>00274</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final (F.E.)</u> JOB PH. <u>7101</u>	
<b>DESCRIPTIVE REPORT - DATA RECORD</b>							
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division (Norfolk)				LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED			
OFFICER-IN-CHARGE Jeffrey G. Carlen, Cdr.				JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__			
<b>I. INSTRUCTIONS DATED</b>							
1. OFFICE				2. FIELD			
Aerotriangulation May, 1972 Compilation Sept., 1973				Sept., 1970			
<b>II. DATUMS</b>							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN				OTHER (Specify)			
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input checked="" type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL				OTHER (Specify)			
3. MAP PROJECTION Polyconic				4. GRID(S) STATE South Carolina ZONE South			
5. SCALE				STATE ZONE			
<b>III. HISTORY OF OFFICE OPERATIONS</b>							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY				R.B. Kelly		Dec. 1973	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY				D. Phillips		Dec. 1973	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: CONTOURS BY SCALE: 1:20,000 CHECKED BY				L.O. Neterer R.R. White NA NA		Jan. 1974 Jan. 1974	
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY CONTOURS BY METHOD: CHECKED BY SCALE: 1:10,000 HYDRO SUPPORT DATA BY CHECKED BY				C. Blood R.R. White NA NA NA NA		Jan. 1974 Jan. 1974	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				R.R. White		Jan. 1974	
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY				L.O. Neterer R.R. White		Jun. 1974 Jun. 1974	
7. COMPILATION SECTION REVIEW BY				R.R. White		Jun. 1974	
8. FINAL REVIEW BY				Billy H. Barnes		Nov. 1975	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				Billy H. Barnes		March 3, 1976	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY							
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				R. T. CATER		JULY 1976	

NOAA FORM 76-36B  
(3-72)

TP-00274

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

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "E" and "L"		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR X (P) PANCHROMATIC (I) INFRARED X		TIME REFERENCE ZONE Eastern MERIDIAN 75th	
TIDE STAGE REFERENCE SAVANNAH RIVER ENT. (Hilton Head)				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY					
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
* 71 E(I)2346 - 2348	3/30/71	09:01	1:30,000	+ 0.2 ft. of MHW	
* 71 E(I)2260 - 2262	3/28/71	13:17	1:30,000	+ 0.2 ft. of MLW	
70 L(C)447A - 449A	11/7/70	10:10	1:40,000	2.0 ft. above MLW	
70 L(C)9924A	11/5/70	10:29	1:40,000	6.0 ft. above MLW	

## REMARKS

\*Tide controlled infrared photography

## 2. SOURCE OF MEAN HIGH-WATER LINE:

Tide controlled infrared photography.

## 3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

Tide controlled infrared photography.

## 4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

## 5. FINAL JUNCTIONS

NORTH TP-00271	EAST TP-00279	SOUTH TP-00278 TP-00277, TP-00279	WEST TP-00277
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## REMARKS

TP-00274

3, a

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J.K. Wilson	4/71
2. HORIZONTAL CONTROL	RECOVERED BY NA ESTABLISHED BY NA PRE-MARKED OR IDENTIFIED BY NA	
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 <input type="checkbox"/> COMPLETE BY <input checked="" type="checkbox"/> SPECIFIC NAMES ONLY <input type="checkbox"/> NO INVESTIGATION	NA
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY NA	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER

STATION NAME

PHOTO NUMBER

STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER

OBJECT NAME

PHOTO NUMBER

OBJECT NAME

5. GEOGRAPHIC NAMES:

☐ REPORT☐ NONE

6. BOUNDARY AND LIMITS:

☐ REPORT☐ NONE

7. SUPPLEMENTAL MAPS AND PLANS

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

1 - Form 251



TP-00274

3.b.

## HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

1974

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	Ltjg. R.D. Black	Jan-May
2. HORIZONTAL CONTROL	Ltjg. R.D. Black	Jan-May
RECOVERED BY	NA	
ESTABLISHED BY	NA	
PRE-MARKED OR IDENTIFIED BY	NA	
3. VERTICAL CONTROL	NA	
RECOVERED BY	NA	
ESTABLISHED BY	NA	
PRE-MARKED OR IDENTIFIED BY	NA	
4. LANDMARKS AND AIDS TO NAVIGATION	Ltjg. R.D. Black	Jan-May
RECOVERED (Triangulation Stations) BY	Ltjg. R.D. Black	Jan-May
LOCATED (Field Methods) BY	Ltjg. R.D. Black	Jan-May
IDENTIFIED BY		
5. GEOGRAPHIC NAMES INVESTIGATION		
TYPE OF INVESTIGATION		
<input type="checkbox"/> COMPLETE		
<input type="checkbox"/> SPECIFIC NAMES ONLY		
<input checked="" type="checkbox"/> NO INVESTIGATION		
6. PHOTO INSPECTION	Ltjg. R.D. Black	Jan-May
CLARIFICATION OF DETAILS BY	NA	
7. BOUNDARIES AND LIMITS	NA	
SURVEYED OR IDENTIFIED BY		

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

NONE

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER

STATION NAME

PHOTO NUMBER

STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

71 E 2261R and 2262R

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER

OBJECT NAME

PHOTO NUMBER

OBJECT NAME

71E2262R

Harbour Town Water Tank

71E2262R

Harbour Town Lighthouse

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 list of S.P. to G.P. conversions; 3 forms NOAA 76-40; 9 forms C&amp;GS 157; 6 forms C&amp;GS 758, one form C&amp;GS 526.

NOAA FORM 76-36D  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00274  
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 Manu. Superseded	2/4/74	1/21/74 Field edit
Compilation complete field edit applied	6/ /74	Class I Manuscript Superseded	9/10/74	
Final Review	11/ /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
	1160-74	9/5/74	Aids to Navigation
	1160-74	9/5/74	Landmarks for Charts

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 9/5/74
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 <sup>7-40</sup> 567 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 <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY  MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY  MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY  MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	



JOB PH-7101

CHARLESTON to SAVANNAH  
SO. CAROLINA to GEORGIA  
SHORELINE MAPPING

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

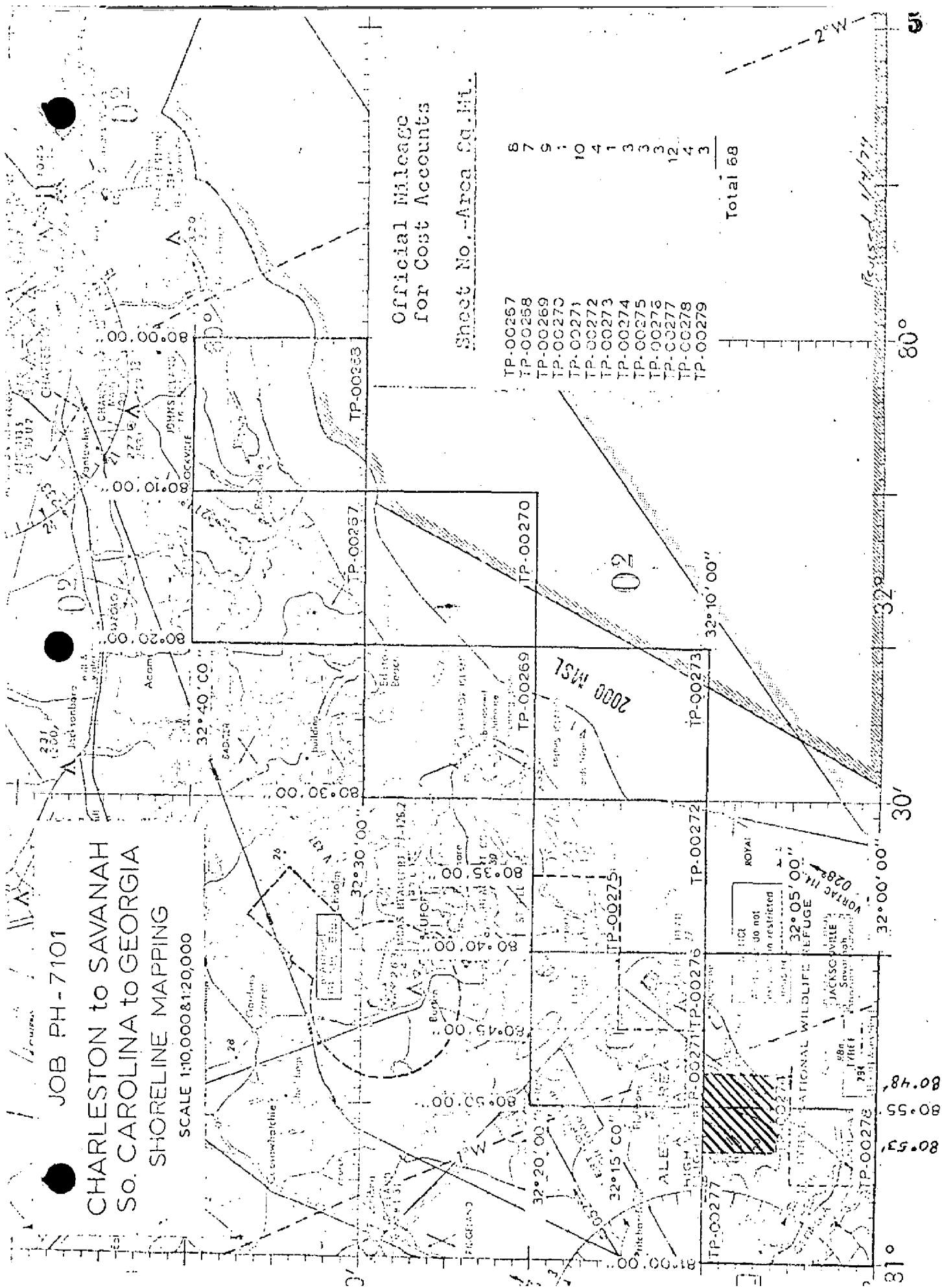
Official Mileage  
for Cost Accounts

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

Revised 1/4/74





SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT TP-00274

This 1:10,000 scale shoreline manuscript has its sheet limits within the boundaries of TP-00277 and TP-00279, two 1:20,000 scale manuscripts. It is one of nine 1:20,000 scale and four 1:10,000 scale shoreline manuscripts that comprise Project PH-7101, Charleston, SC to Savannah, GA. Project PH-7101 is one of several projects that make up SCOPE, the Southern Coastal Plains Expedition. 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 check the Photo interpretation of the mean high and mean low water lines.

Field edit was done in January and May, 1974.

Final review was done at the Atlantic Marine Center in November 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.

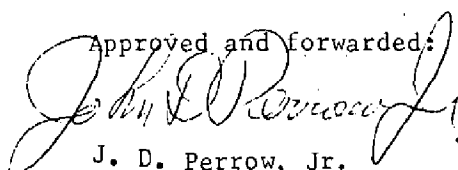
25. Photography

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

Submitted by,

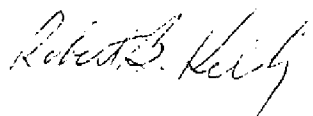
Robert B. Kelly

Approved and forwarded:



J. D. Perrow, Jr.

Chief, Aerotriangulation Section



PH-7101  
Charleston to Savannah

NOTE TO COMPILER

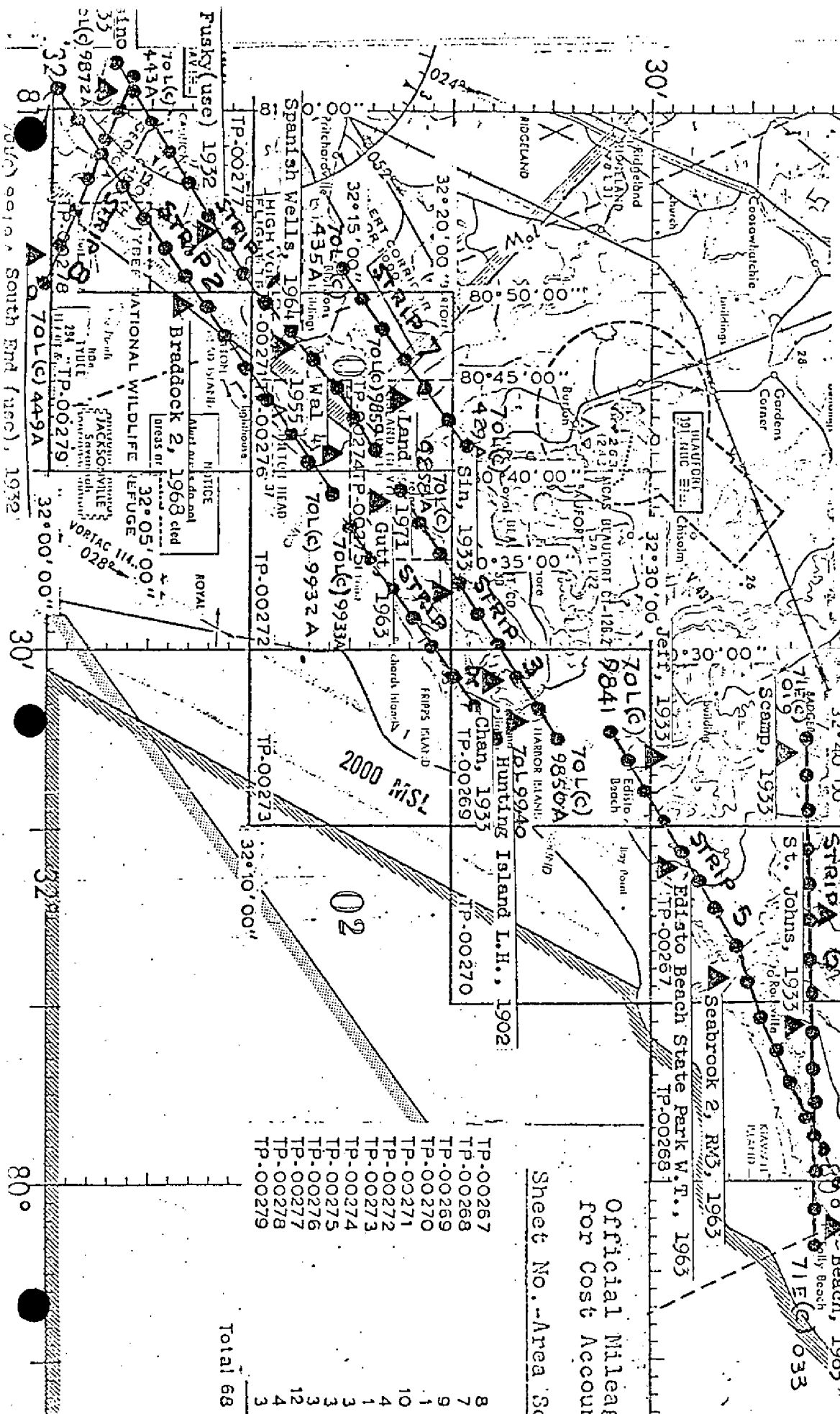
Foreshore Cross Section points listed below were omitted during bridging. Points should be dropped during compilation.

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

JOB PH-7101

# CHARLESTON to SAVANNAH SO. CAROLINA to GEORGIA SHORELINE MAPPING

SCALE 1:100,000 & 1:20,000



Official Mileage  
for Cost Account

Sheet No. - Area 50

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

## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY	
TP-00274		PH-7101	N.A. 1927		
		SOURCE OF INFORMATION (Index)	COORDINATES IN FEET STATE South Carolina ZONE South	GEOGRAPHIC POSITION $\phi$ LATITUDE $\lambda$ LONGITUDE	REMARKS
	BLOOD, 1964	Bridge Form 164, Pg. 15	x= 2,039,737.70 y= 90,977.31	$\phi$ $\lambda$	
	BRAD, 1931	Bridge Form 164, Pg. 13	x= 2,054,169.77 y= 102,085.27	$\phi$ $\lambda$	
	DO, 1916	Bridge Form 164, Pg. 13	x= 2,056,955.60 y= 101,126.21	$\phi$ $\lambda$	
	FAR 2, 1931	Bridge Form 164, Pg. 13	x= 2,056,292.81 y= 109,400.13	$\phi$ $\lambda$	
	BLOOD AZIMUTH MARK, 1964	Bridge Form 164, Pg. 15	x= 2,041,178.08 y= 93,405.93	$\phi$ $\lambda$	
	BRADDOCK 2, 1968	Bridge Form 164, Pg. 1	x= 2,054,895.28 y= 100,446.50	$\phi$ $\lambda$	
			x=	$\phi$	
			y=	$\lambda$	
			x=	$\phi$	
			y=	$\lambda$	
			x=	$\phi$	
			y=	$\lambda$	
			x=	$\phi$	
			y=	$\lambda$	
COMPUTED BY C. Blood			COMPUTATION CHECKED BY R.R. White		DATE 1/21/74
LISTED BY			LISTING CHECKED BY		DATE
HAND PLOTTING BY			HAND PLOTTING CHECKED BY		DATE



## COMPILATION REPORT

TP-00274

31. DELINEATION

Delineation was by the Wild B-8 stereoplotter.

Photography was adequate.

32. CONTROL

See the attached "Photogrammetric Plot Report,"  
dated: December 10, 1973.

33. SUUPLEMENTAL 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 controlled infrared photographs.

36. OFFSHORE DETAILS

The shoals were compiled from low water photography, without the aid of positioning by the B-8 stereoplotter.

37. LANDMARKS AND AIDS

Copies of Form 76-40 for 8 non-floating aids to navigation and 2 landmarks were forwarded to the Rockville, MD office on August 22, 1974.

38. CONTROL FOR FUTURE SURVEYS

No statement required

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 Quadrangle: SAVANNAH BEACH NORTH, SC-GA, dated 1955; revised 1971, scale 1:24,000.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey Charts:

#440 SAVANNAH RIVER and WASSAW SOUND, scale 1:40,000, 38th edition, dated Aug. 4, 1973.

#571 PORT ROYAL SOUND, scale 1:40,000, 17th edition, dated April 8, 1972.

#1240 ST. HELENA SOUND to SAVANNAH RIVER, scale 1:80,000, 9th edition, dated May 9, 1970 (corrected thru N M 19/1970).

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

*C.E. Blood*  
C.E. Blood  
Cartographic Technician  
January 18, 1974

Approved:

*Albert C. Rauck, Jr.*  
Albert C. Rauck, Jr.  
Chief, Coastal Mapping Section, AMC

ADDENDUM TO THE COMPILATION REPORT

TP-00274

FIELD EDIT

Field edit was adequate. All questions were resolved.

19 August 1975

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

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

TP-00274

Atlantic Ocean

Barrett Shoals

Braddock Cove

Braddock Point

Calibogue Sound

Daufuskie Island

Grenadier Shoal

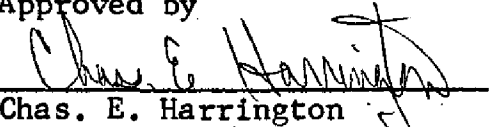
Hilton Head Island

Mungen Creek

New River

South Sea Pines

Approved by

  
Chas. E. Harrington  
Staff Geographer-C51x2

NOAA FORM 75-74 (2-74)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW			
TP-00274			
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
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	17. LANDMARKS RRW	18. OTHER ALONGSHORE PHYSICAL FEATURES RRW	19. OTHER ALONGSHORE CULTURAL FEATURES RRW
PHYSICAL FEATURES			
20. WATER FEATURES RRW	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
CULTURAL FEATURES			
27. ROADS RRW	28. BUILDINGS	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 1/21/74		SUPERVISOR, REVIEW SECTION OR UNIT Albert C. Ranch 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 L.O. Neterer 6/1974 Checked by: R.R. White 6/1974		SUPERVISOR Albert C. Ranch Jr.	
43. REMARKS Field edit applied from: Field edit ozalid, Forms 76-40 Forms 157 and field photos 71 E 2261R and 2262			



## 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.

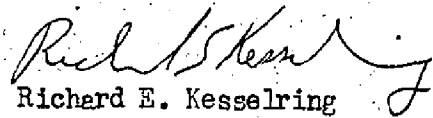
Vertical control for sections I thru VI, VIII and IX was taken from the tide staff at Edisto Beach, South Carolina. Section VII was based on a temporary tide staff installed at Harbor River Entrance, South Carolina, and a temporary tide staff placed at Skull Creek (North Entrance) provided the control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

The procedure, in establishing the TTM's used to control the individual sections, was to take a level reading on a recoverable object for use as a TTM, record it as a foresight, and then send the rodman into the water where the rod was used as a combination tide staff/level rod. After observing the water level on the rod for a period sufficient to determine a mean reading, a level reading was taken. The water level reading was subtracted from the level reading and the result entered in the field book as a backsight. Immediately, the instrument was moved, a new water level reading determined and another level reading obtained. Again the two were subtracted and the result entered as a foresight. The rodman was then sent back to the TTM to close the loop. The entries in the field book show this procedure reversed. This was done to avoid confusion as there didn't appear to be any adequate method of showing the actual procedure. The remainder of the operation was straightforward leveling with an angle and distance to the mean high and low water lines thrown in.

Time differences for each section were calculated in advance to eliminate any datum correction; for example, if a minus time were indicated for a particular section, then the water level readings on the tide staff/level rod would be obtained first and the man on the controlling tide staff informed of the time of the readings. The tide staff man would then wait the calculated length of time for the section involved before reading the controlling tide staff. For plus times, the procedure was reversed. Information was exchanged between the controlling tide staffs and the individual sections via radio. At sections I and XII, no radio communications were available. For these two sections, the controlling tide staff was read and recorded at fifteen minute intervals and the height of the water at the time of the water level readings computed at a later time.

As no specific instructions were given to the contrary, cross-section shots were taken of the foreshore at twenty, thirty, and sometimes, fifty foot intervals, depending on the length of the section. Whether they are necessary, or even wanted, is not known, but as they only took about five to ten minutes extra for each section, they were included anyway.

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  
Survey Tech.  
May 3, 1971

FIELD EDIT REPORT

TP-00274

Calibogue Sound, South Carolina  
PH-7101  
May, 1974

51. METHODS

All field work was done in accordance with the AMC Manual, current Photo Instruction 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 seven daybeacons (lat.  $32^{\circ}07.3'$ , long.  $80^{\circ}49.4'$ ) and two piles (lat.  $32^{\circ}07.3'$ , long.  $80^{\circ}50.4'$ ) were determined by theodolite intersection. The positions of the landmark lighthouse (lat.  $32^{\circ}08.3'$ , long.  $80^{\circ}49.0'$ ) and water tank (lat.  $32^{\circ}08.0'$ , long.  $80^{\circ}48.3'$ ) were determined by theodolite intersection by Photo Party 62 in 1973.

52. ADEQUACY OF COMPILATION

Compilation of shoreline and alongshore features was generally adequate, except as noted below. Compilation will be complete when field edit notes are applied.

The MHWL along an area compiled as marsh (lat.  $32^{\circ}06.6'$ , long.  $80^{\circ}50.9'$ ) should be changed as noted on the field edit ozalid. This area is mud and is covered at MHW.

54. RECOMMENDATIONS

None.

56. GEOGRAPHIC NAMES

No discrepancies were found while editing this sheet.

57. LANDMARKS AND NONFLOATING AIDS TO NAVIGATION

Two landmarks, a privately operated lighthouse and a water tank, and seven daybeacons are recommended for charting. The seven daybeacons are privately maintained and are grouped at the entrance to a private marina at South Sea Pines Plantation on Hilton Head

Island. The privately maintained lighthouse is recommended as a landmark rather than an aid to navigation due to its infrequent and irregular operation. NOAA forms 76-40 have been completed for the above items.

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									
NONFLOATING AIDS FOR CHARTS									
NOAA FORM 76-40 (2-71)		PHOTOGRAMMETRY INSTRUCTION NO. 64.		ORIGINATING LOCATION		DATE		ORIGINATING ACTIVITY	
TO BE CHARTED		TO BE DELETED		Coastal Mapping Division, Norfolk, VA		June, 1974		<input type="checkbox"/> FIELD INSPECTION <input type="checkbox"/> FIELD EDIT <input checked="" type="checkbox"/> COMPILATION <input type="checkbox"/> FINAL REVIEW <input type="checkbox"/> QUALITY CONTROL AND REVIEW (See reverse for responsible personnel)	
JOB NUMBER		SURVEY NUMBER		DATUM		METHOD AND DATE OF LOCATION		CHARTS AFFECTED	
PH- 7101		TP-00279		NA 1927		(See instructions on reverse of this form)			
STATE: South Carolina		TP- 00274		POSITION					
CHARTING NAME	DESCRIPTION	LATITUDE		LONGITUDE		FIELD INSPECTION	COMPILATION	FIELD EDIT	
		D.M. METERS	°	D.M. METERS	°				
DAY BEACON	Baynard Cove Creek Daybeacon #1 (Priv. Maint)	32 07	22.217	80 49	30.630			F.3.a. 8 Mar. 1974	839-SC 440 571 1240
DAY BEACON	Baynard Cove Creek Daybeacon #4 (Priv. Maint)	32 07	23.967	80 49	28.247			F.3.a. 8 Mar. 1974	839-SC 440 571 1240
DAY BEACON	Baynard Cove Creek Daybeacon #6 (Priv. Maint)	32 07	27.332	80 49	24.024			F.3.a. 8 Mar. 1974	839-SC 440 571 1240
DAY BEACON	Wakely Cove Channel Daybeacon #2 (Priv. Maint)	32 07	20.506	80 49	32.709			F.3.a. 8 Mar. 1974	839-SC 440 571 1240
DAY BEACON	Wakely Cove Channel Daybeacon #4 (Priv. Maint)	32 07	19.248	80 49	29.894			F.3.a. 8 Mar. 1974	839-SC 440 571 1240
DAY BEACON	Wakely Cove Channel Daybeacon #6 (Priv. Maint)	32 07	18.014	80 49	27.099			F.3.a. 8 Mar. 1974	839-SC 440 571 1240
DAY BEACON	Wakely Cove Channel Daybeacon #7 (Priv. Maint)	32 07	18.727	80 49	25.771			F.3.a. 8 Mar. 1974	839-SC 440 571 1240
LIGHT	Harbour Town Light HT (Tower ht.=95(101) ft, (Light does not function regularly))	32 08	18.371	80 48	46.018	F.3.a. 1973	71E(I) 2349 3/30/71	Verif. 8 Mar. 1974	839-SC 440 571

[illegible]



## REVIEW REPORT TP-00274

## SHORELINE

November 1975

61. GENERAL STATEMENT:

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

A comparison print showing differences noted in paragraphs 62, 63 and 65 is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with T-12620 and T-12621, both dated December 1965, and at 1:20,000 scale. Significant differences are shown in blue on the comparison print. In the areas covered, TP-00274 supersedes T-12620 and T-12621 for nautical chart construction purposes. T-12620 and T-12621 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 at a 1:24,000 scale, dated 1955, photo-revised 1971 and BLUFFTON, SC, dated 1956, photo-revised 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 the smooth sheet H-9459(AHP-10-5-74) at a scale of 1:10,000, dated 1974. No differences were noted.

65. COMPARISON WITH NAUTICAL CHARTS

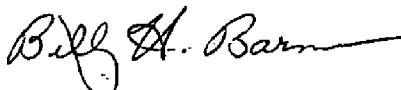
The area covered by this map is within the limits of NOS Chart 11512, scale 1:40,000, 40th edition, dated June 1975.

A visual comparison was made and the significant 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  
Cartographer  
November, 1975

Approved for forwarding:



Joseph W. Vonasek  
Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

TP-00274  
Scale 1:10,000

23

Sout

BRADDOCK 2, 1968

R.M.I.

M.H.W. position from 4-23-71 profile

MLW position from 4-23-71 profile

Grains

Grains

BRAD, 1931

Braddock Point

COMPARISON PRINT

- Red = Chart 11512
- Blue = T-12621
- Brown = USGS

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