

TP-01403

TP-01403

NOAA FORM 76-35  
(6-80)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## DESCRIPTIVE REPORT

THIS MAP EDITION WILL NOT BE FIELD EDITED.

Map No.

TP-01403

Edition No.

1

Job No.

CM-8506

Map Classification

CLASS III FINAL

Type of Survey

SHORELINE

## LOCALITY

State

SOUTH CAROLINA-GEORGIA

General Locality

ST HELENA SOUND TO SAVANNAH RIVER

Locality

BROAD RIVER

19<sup>87</sup> TO 19

REGISTERED IN ARCHIVES

DATE

## DESCRIPTIVE REPORT - DATA RECORD

## TYPE OF SURVEY

- ☒ ORIGINAL  
☐ RESURVEY  
☐ REVISED

SURVEY TP. 01403

MAP EDITION NO. (1)

MAP CLASS III Final

JOB ~~NA~~ CM-8506

## PHOTOGRAMMETRIC OFFICE

Coastal Mapping Unit, Atlantic Marine Center  
Norfolk, VA

## OFFICER-IN-CHARGE

C. Dale North, Jr., CDR

## LAST PRECEDING MAP EDITION

## TYPE OF SURVEY

- ☐ ORIGINAL  
☐ RESURVEY  
☐ REVISED

JOB PH. \_\_\_\_\_

MAP CLASS \_\_\_\_\_

SURVEY DATES:

19\_\_ TO 19\_\_

## I. INSTRUCTIONS DATED

## 1. OFFICE

Aerotriangulation - None  
 Compilation - July 18, 1988

## 2. FIELD

Control - December 12, 1986

## II. DATUMS

## 1. HORIZONTAL:

☒ 1983  
~~NA~~ NORTH-AMERICAN

OTHER (Specify)

## 2. VERTICAL:

☒ MEAN HIGH-WATER  
☐ MEAN LOW-WATER  
☒ MEAN LOWER LOW-WATER  
☐ MEAN SEA LEVEL

OTHER (Specify)

## 3. MAP PROJECTION

Lambert Conformal Projection

## 4. GRID(S)

STATE

NA

ZONE

NA

## 5. SCALE

1:20,000

STATE

ZONE

## III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	L. Harrod	March 1988
	LANDMARKS AND AIDS BY	L. Harrod	March 1988
2. CONTROL AND BRIDGE POINTS METHOD: Königsberg Plotter	PLOTTED BY	L. Harrod	March 1988
	CHECKED BY	D. Norman	March 1988
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:20,000	PLANIMETRY BY	R. Kravitz	July 1988
	CHECKED BY	F. Mauldin	July 1988
	CONTOURS BY	NA	
	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION METHOD: Smooth drafted SCALE: 1:20,000	PLANIMETRY BY	R. Kravitz	Aug 1988
	CHECKED BY	F. Mauldin	Sept 1988
	CONTOURS BY	NA	
	CHECKED BY	NA	
	HYDRO SUPPORT DATA BY	NA	
	CHECKED BY	NA	
5. OFFICE INSPECTION PRIOR TO <del>FINAL REVIEW</del> Final Review	BY	F. Mauldin	Sept 1988
6. APPLICATION OF FIELD EDIT DATA	BY	NA	
	CHECKED BY	NA	
7. COMPILATION SECTION REVIEW Class III	BY	F. Mauldin	Sept 1988
8. FINAL REVIEW Class III	BY	L.O. Neterer, Jr.	May 1989
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	L.O. Neterer, Jr.	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	P. Dampson	Dec. 1989
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	J. Wilson	Jan. 1990

TP-01403  
COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC10(B) (B=152.74mm) Wild RC10(Z) (Z=153.15mm)		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE ZONE Eastern MERIDIAN 75°	
TIDE/STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE COORDINATED PHOTOGRAPHY Coordinated				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
**87B(C) 3736-3737 ✓	2-10-87 ✓	1005 ✓	1:50,000 ✓	3.7 ft above MLLW ✓	
**87B(C) 3750-3753 ✓	2-10-87 ✓	1029 ✓	1:50,000 ✓	4.2 ft above MLLW ✓	
*87B(C) 3793-3796 ✓	2-10-87 ✓	1252 ✓	1:50,000 ✓	0.7 ft above MLLW ✓	
**87Z(R) 0367 ✓	2-12-87 ✓	1349 ✓	1:50,000 ✓	0.4 ft above MLLW ✓	
**87Z(R) 0479, 0481 ✓	2-13-87 ✓	1442 ✓	1:50,000 ✓	0.6 ft above MLLW ✓	
**87Z(R) 0391, -0393, 0395 ✓	2-12-87 ✓	1438 ✓	1:50,000 ✓	At MLLW ✓	
**87Z(R) 0734-0736 ✓	3-03-87 ✓	1056 ✓	1:50,000 ✓	0.3 ft above MHW ✓	
**87Z(R) 0749-0753 ✓	3-03-87 ✓	1111 ✓	1:50,000 ✓	0.3 ft above MHW ✓	
**87Z(R) 0764-0766 ✓	3-03-87 ✓	1123 ✓	1:50,000 ✓	0.2 ft above MHW ✓	
Mean Tide Range 6.9 ft ✓					

REMARKS \*Compilation/bridging photographs based on predicted tide data.  
\*\*Tide coordinated MHW and MLLW photographs based on actual tide data and are referenced to the tide station at the Savannah Bar Pilots Dock

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

The mean high water line was compiled from office interpretation of the above listed compilation/bridging photographs using stereo instrument methods. The black and white infrared contact photographs were used to assist in the interpretation of the mean high water line.

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

The mean lower low water line was compiled graphically from the above listed black and white infrared ratio photographs.

## 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	EAST	SOUTH	WEST
TP-01400	TP-01404	TP-01406, TP-01407	No survey

REMARKS

TP-01403  
HISTORY OF FIELD OPERATIONS

1. <input checked="" type="checkbox"/> FIELD INSPECTION OPERATION				<input type="checkbox"/> FIELD EDIT OPERATION			
OPERATION			NAME		DATE		
1. CHIEF OF FIELD PARTY			P. Walbolt		Jan 1987		
2. HORIZONTAL CONTROL			RECOVERED BY		C. Saunders		
			ESTABLISHED BY		NA		
			PRE-MARKED OR IDENTIFIED BY		C. Saunders		
					Jan 1987		
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				
			<input type="checkbox"/> SPECIFIC NAMES ONLY				
			<input checked="" type="checkbox"/> 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			
paneled				None			
PHOTO NUMBER		STATION NAME		PHOTO NUMBER		STATION DESIGNATION	
87B(C) 3751		EUHAW, 1933					
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: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE				6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> 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 76-53							
1 form 75-82A							

TP-01402

## RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	Sept 1988	Class III Manuscript		
Final Review	May 1989	Final Class III Map	DEC. 1989	DEC. 1989

## II. LANDMARKS AND AIDS TO NAVIGATION

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER pages	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		DEC. 1989	Landmarks and aids to navigation forms

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_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 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: \_\_\_\_\_

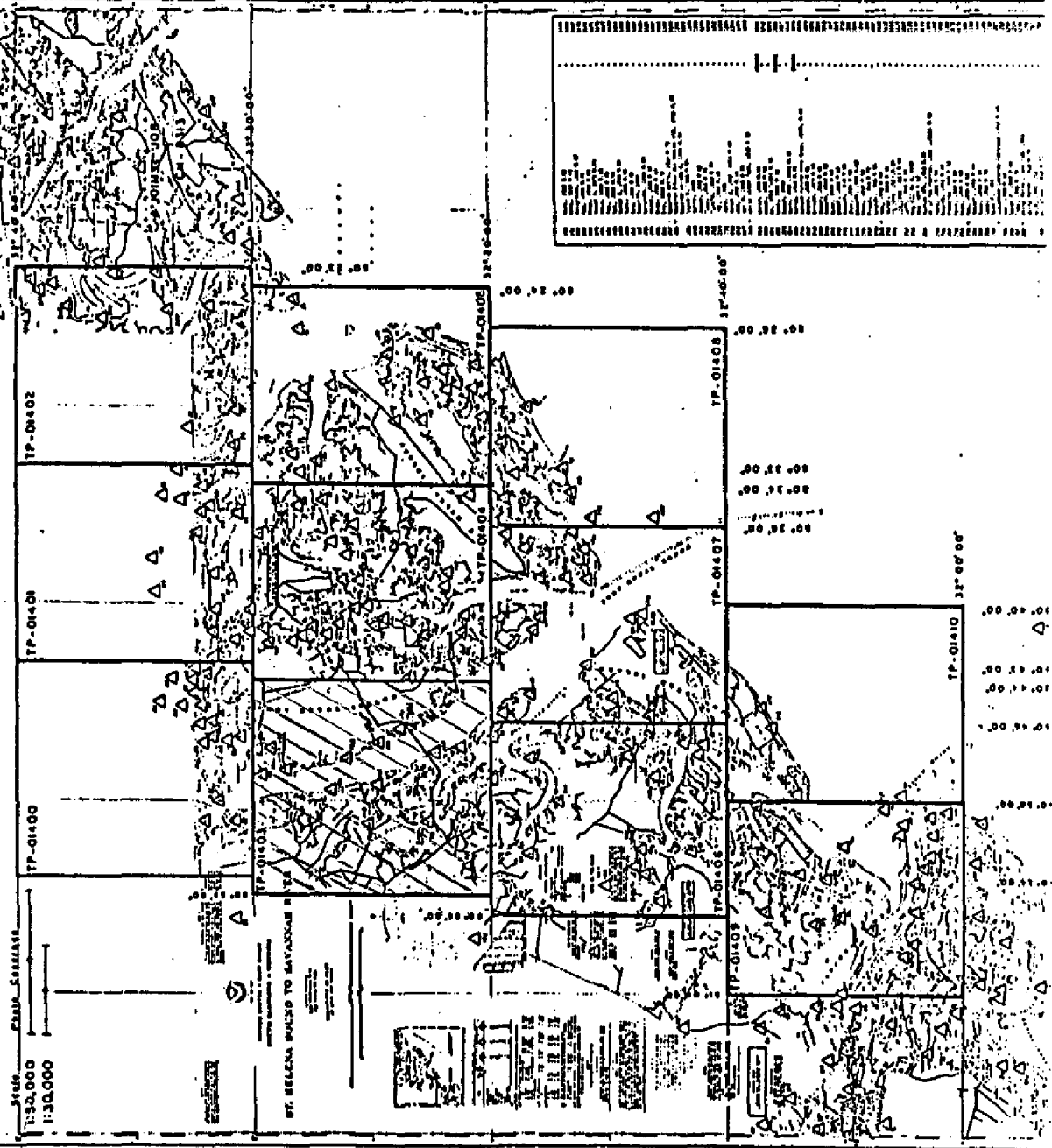
## IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

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 CM-8506  
ST. HELENA SOUND TO SAVANNAH RIVER  
SOUTH CAROLINA - GEORGIA  
SHORELINE MAPPING  
SCALE 1:20,000

LEGEND:

- 1:50,000 Color (Bridge)
- 1:50,000 Black & White (Infrared) MHW
- 1:50,000 Black & White (Infrared) MLLW
- 1:30,000 Color Completed



SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

TP-01403

This 1:20,000 scale map is one of eleven maps in Project CM-8506, which extends from St Helena Sound, South Carolina southwest including Savannah River, Georgia. The project extends from latitude  $32^{\circ} 00' 00''$  north to latitude  $32^{\circ} 40' 00''$  and longitude  $80^{\circ} 23' 00''$  west to longitude  $81^{\circ} 00' 00''$ .

Field work prior to compilation was accomplished during January 1987. It consisted of premarking horizontal control stations to satisfy aerotriangulation requirements.

Photographic coverage was provided in February 1987 using color film with the "B" camera (focal length 152.74 millimeters). Black and white infrared photography was taken in February and March 1987 using the Z camera (focal length 153.15 millimeters).

Analytic aerotriangulation was performed at the Washington Science Center in March 1988.

Compilation was performed at the Atlantic Marine Center in September 1988 by office interpretation of the 1:50,000 color and the infrared Mean High Water and Mean Lower Low Water photography.

Final Review was accomplished at the Atlantic Marine Center in May 1989. A Chart Maintenance Print for the Marine Chart Branch and Notes to the Hydrographer Print for the Hydrographic Branch were prepared and forwarded.

This map is to be registered as a Class III, Final Map. The original base manuscript and all pertinent data were forwarded to the Washington Science Center for registration.

AEROTRIANGULATION REPORT  
CM-8506  
ST. HELENA SOUND TO SAVANNAH RIVER  
March, 1988

21. AREA COVERED

The project covers the shoreline, islands, and the adjacent waterways from St. Helena Sound in South Carolina to Savannah River in Georgia. There are eleven 1:20,000 scale sheets; TP-01400 through TP-01410.

22. METHOD

Seven strips of 1:50,000 scale color photographs were bridged by analytic aerotriangulation methods and adjusted to ground using the GIANT program. The strips were measured on the National Ocean Service Analytical Plotter (NOSAP). The horizontal control was pre-marked.

Ratio values were determined for the 1:50,000 scale color photographs and for the 1:50,000 scale black and white infrared photographs.

Work manuscripts and manuscripts for the final map were plotted on the Kongsberg plotter. The sheets were plotted in the South Carolina state plane coordinate system. This is a Lambert conformal conic projection. All positions are on the NAD 1983. In addition, 10 mm ticks representing NAD 27 projection intersections were plotted at twice the interval of the NAD 83 projections.

23. ADEQUACY OF CONTROL

The project meets the National Ocean Service requirements for map manuscripts. Tie points were used to ensure an adequate fit between strips. A listing of the fit to control is attached.

24. SUPPLEMENTAL DATA

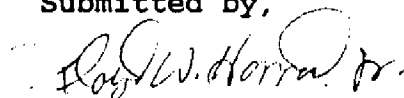
U.S.G.S. topographic quadrangles were used to obtain vertical control for bridging. NOS nautical charts were used to locate fixed aids to navigation and landmarks.



25. PHOTOGRAPHY


The photography was adequate.

Submitted by,



Lloyd W. Harrod, Jr.

Approved and Forwarded



Don O. Norman  
Chief, Aerotriangulation Unit

ST. HELENA SOUND TO SAVANNAH RIVER  
SOUTH CAROLINA - GEORGIA  
CM-8506

March 1988

FIT TO CONTROL - X AND Y IN FEET

	<u>Name</u>	<u>Point No.</u>	<u>X</u>	<u>Y</u>
1.	Panel #1	(955101)	-0.2	0.1
2.	McLeud, 1933 Panel #2 Direct	(952100)	-1.0	-2.5
3.	Chisholm, 1932 Panel #3 Direct	(757100)	1.0	0.5
4.	Panel #4	(781101)	1.0	-1.4
6.	Panel #6	(895101)	0.0	0.2
7.	Panel #7	(861101)	1.6	1.0
8.	EUHAW, 1933 Panel #8 Direct	(751100)	1.8	-1.2
9.	Panel #9	(747101)	-1.1	0.6
10.	DAW 3 Rm 2, 1931 Panel #10	(902101)	-1.4	-1.2
11.	Panel #11	(855101)	2.3	3.2
12.	Panel #12	(850101)	-1.9	1.4
13.	Panel #13	(911101)	-1.2	0.5
14.	WEST BASE USE, 1932 Panel #14 Direct	(772101)	0.9	-1.1
15.	Panel #15	(842101)	0.2	0.8

Ratio Values  
CM-8506

1:50,000 Bridging Photographs

Ratio Values

87B (C) 3951-3955	2.44
87B (C) 3747-3757	2.44
87B (C) 3781-3799	2.43
87B (C) 3890-3932	2.45
87B (C) 3841-3879	2.45
87B (C) 3771-3773	2.44
87B (C) 3735-3737	2.44

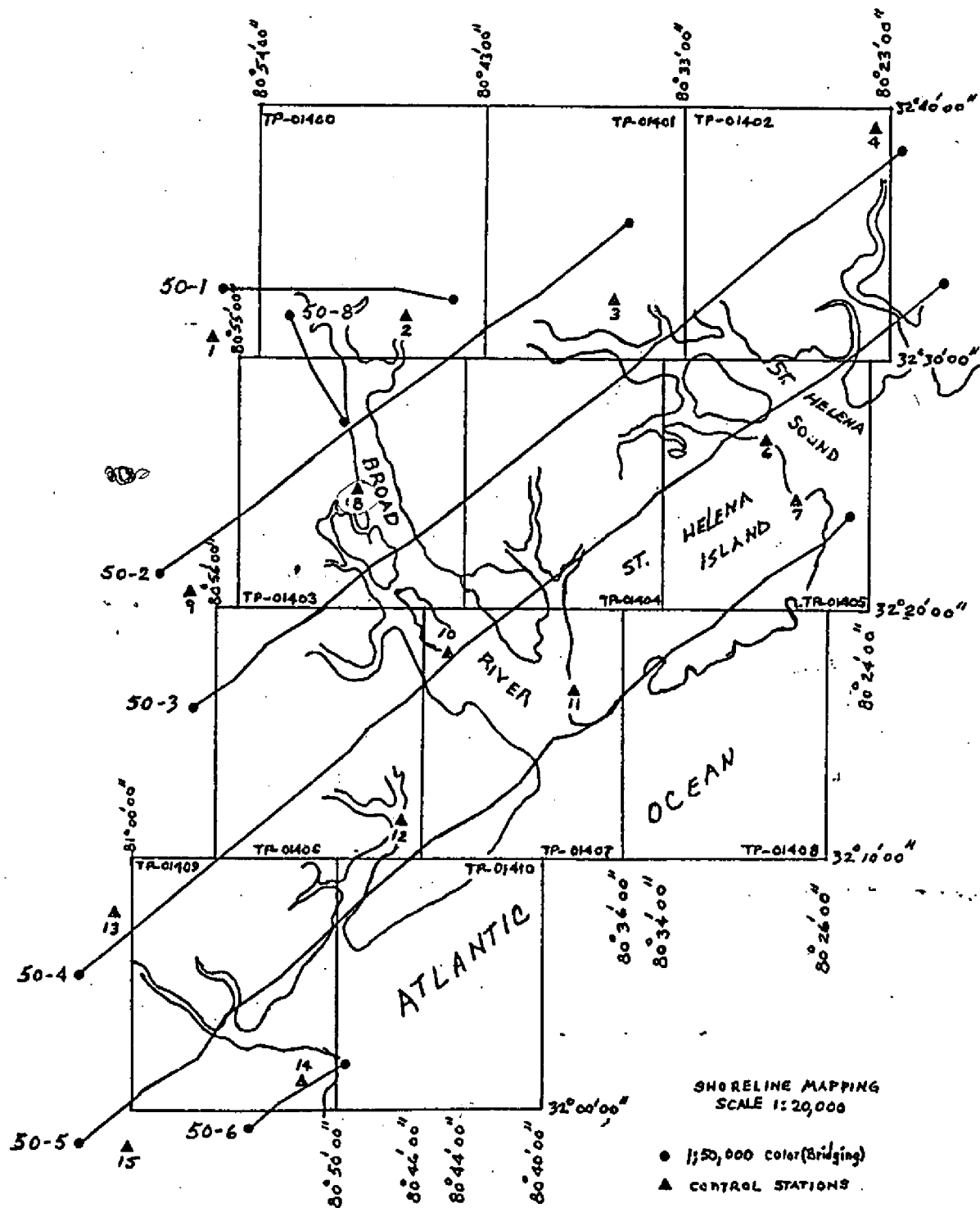
MHW 1:50,000 Black and White Infrared

87Z (R) 0722-0737	2.47
87Z (R) 0769-0775	2.48
87Z (R) 0659-0662	2.47
87Z (R) 0761-0766	2.48
87Z (R) 0749-0756	2.47
87Z (R) 0668-0686	2.47
87Z (R) 0695-0716	2.47

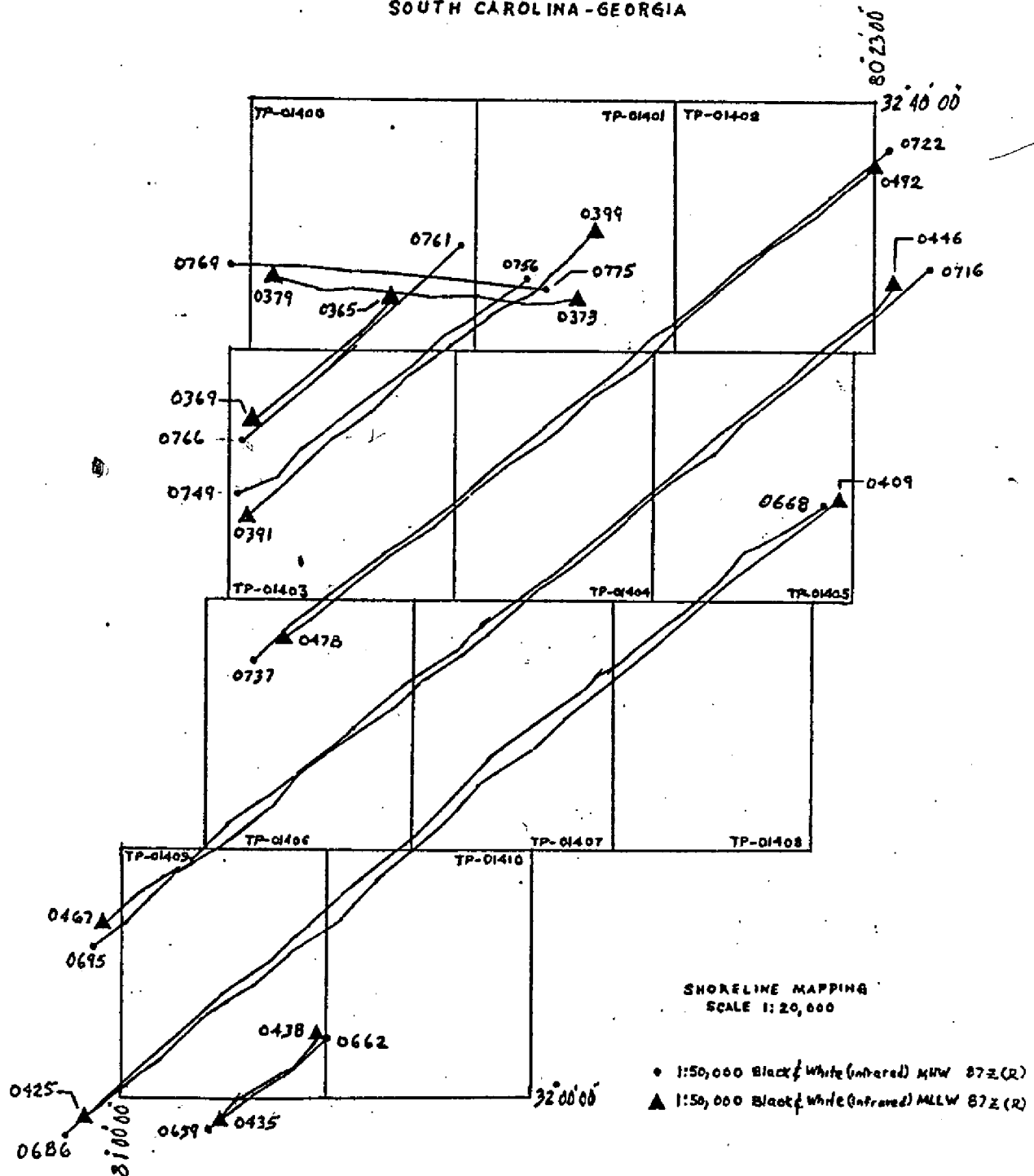
MLLW 1:50,000 Black and White Infrared

87Z (R) 0409-0425	2.43
87Z (R) 0446-0467	2.45
87Z (R) 0478-0492	2.43
87Z (R) 0365-0369	2.43
87Z (R) 0435-0438	2.44
87Z (R) 0373-0379	2.39
87Z (R) 0391-0399	2.43

JOB CM-8506  
ST. HELENA SOUND TO SAVANNAH RIVER  
SOUTH CAROLINA-GEORGIA



JOB CM-8506  
ST. HELENA SOUND TO SAVANNAH RIVER  
SOUTH CAROLINA-GEORGIA





## COMPILATION REPORT

TP-01403

### 31. DELINEATION:

Delineation was accomplished using Wild B-8 stereo instrument and graphic compilation methods. Instrument and graphic compilation were used to delineate shoreline, alongshore, and interior detail based upon office interpretation of the 1:50,000 scale bridging/compilation color photographs and the tide coordinated mean high water infrared contact photographs.

Tide coordinated mean lower low water infrared ratio photographs were used to graphically compile the approximate mean lower low water line. Control for all graphic delineation was provided by instrument compilation of coastal detail.

All photographs used to compile this map are listed on NOAA form 76-36B. The photography was adequate.

### 32. CONTROL:

The horizontal control was adequate. Refer to the Aerotriangulation Report, dated March 1988.

### 33. SUPPLEMENTAL DATA:

None.

### 34. CONTOURS AND DRAINAGE:

Contours are not applicable to this project. Drainage was compiled from office interpretation of the photographs.

### 35. SHORELINE AND ALONGSHORE DETAILS:

The mean high water line was compiled by instrument methods using the 1:50,000 scale color photographs and was complimented by the tide coordinated mean high water infrared contact photographs.

36. OFFSHORE DETAILS:

Offshore detail was compiled by instrument methods using the 1:50,000 scale bridging/compilation color photographs.

The tide coordinated mean lower low water infrared ratio photographs were used to compile the approximate mean lower low water line as described in item #31.

37. LANDMARKS AND AIDS:

Within the limits of this map, there were no charted landmarks and the one charted aid to navigation could not be located/verified photogrammetrically.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

Refer to the Data Record Form 76-36B, item 5, of the Descriptive Report.

40. HORIZONTAL AND VERTICAL ACCURACY:

See item #32.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with the following U.S. Geological Survey Quadrangles:

Ridgeland, South Carolina; dated 1961, photorevised 1979; scale 1:24,000

Laurel Bay, South Carolina; dated 1962, photoinspected 1972; scale 1:24,000

Spring Island, South Carolina; dated 1958; scale 1:24,000

Jasper, South Carolina; dated 1958, photorevised 1979; scale 1:24,000

Beaufort, South Carolina; dated 1958, photorevised 1979; scale 1:24,000

Parris Island, South Carolina; dated 1956, photorevised 1979; scale 1:24,000



47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following National Ocean Service charts:

11480; 27th edition; dated July 5, 1986; scale 1:449,659  
11513; 18th edition; dated December 6, 1986; scale 1:80,000  
11516; 24th edition; dated September 14, 1985; scale 1:40,000  
11519; 8th edition; dated July 12, 1986; scale 1:40,000

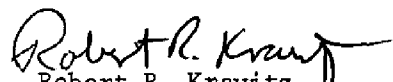
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

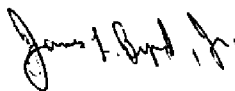
ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

  
Robert R. Kravitz  
Cartographic Technician  
August 31, 1988

Approved:

  
James L. Byrd, Jr.  
Chief, Coastal Mapping Unit

## GEOGRAPHIC NAMES

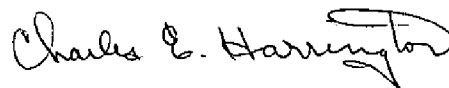
## FINAL NAME SHEET

CM-8506 (St. Helena Sound to Savannah River, SC-GA)

TP-01403

Archers Creek	Euhaw Creek
Baileys Landing	Fripp Island
Barnwell Island	Fripp Landing
Bellinger Neck	Garrets Point
Big Island	Goat Island
Big Pond	Gregory Pond
Bird Island	Habersham Creek
Bird Island Creek	Hazzard Creek
Bluff Island	Hazzard Neck
Bolon Hall Landing	Hogs Neck
Boyd Creek	Laurel Bay (locale)
Boyd Neck	Laurel Point
Broad River	Lemon Island
Broughton Point	Little Barnwell Island
Buzzard Island	Manigault Neck
Buzzard Island Creek	Okatee River
Chechessee Point	Old House (locale)
Chechessee River	Pinckney Landing
Cole Creek	Port Royal Island
Cole Island	River Pond
Cole Landing	Riverdale
Colleton River	Rose Island
Corn Island	Salvesbarg Landing
Cotton Island	Shepherd Island
Daws Island	Spring Island
Deloss Point	Strawberry Hill Plantation
Doggie Island	West Branch (Boyd Creek)
East Branch (Boyd Creek)	Whale Branch
Edward Burton Rodgers Bridge	White Hall Pond

Approved:



Charles E. Harrington  
Chief Geographer  
Nautical Charting Division  
Charting and Geodetic Services

REVIEW REPORT  
SHORELINE

TP-01403

61. GENERAL STATEMENT

See Summary included with this Descriptive Report.

No enlargement prints were supplied of the infrared mean high water photographs.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with the following USGS quadrangles:

Beaufort, South Carolina, dated 1958, photorevised  
1979, scale 1:24,000.  
Jasper, South Carolina, dated 1958, photorevised 1979,  
scale 1:24,000  
Laurel Bay, South Carolina, dated 1962, photoinspected  
1972, scale 1:24,000  
Parris Island, South Carolina, dated 1956, photorevised  
1979, scale 1:24,000  
Ridgeland, South Carolina, dated 1961, photorevised  
1979, scale 1:24,000  
Spring Island, South Carolina, dated 1958, scale  
1:24,000

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

There are no contemporary hydrographic surveys within the limits of this map.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following National Ocean Service charts:

11480, 28th edition, dated June 4, 1988, scale  
1:449,659  
11513, 18th edition, dated December 6, 1986, scale  
1:80,000

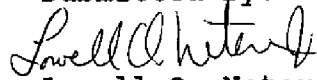
11516, 24th edition, dated September 14, 1986, scale  
1:40,000

11519, 8th edition, dated July 12, 1986, scale  
1:40,000

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the Project Instructions and meets the requirements for National Standards of Map Accuracy.

Submitted by:



Lowell O. Neterer, Jr.  
Final Reviewer  
May 1989

Approved for Forwarding:



Billy H. Barnes  
Chief, Quality Assurance Group, AMC

Approved:

N/A

Chief, Photogrammetric  
Production Section



Chief, Photogrammetry Branch

## CARTOGRAPHIC FEATURES OF CHARTING INTEREST

Page 1 of 1

PROJECT: CM-8506

MAP NUMBER (Scale); Locality: TP-01403; 1:20,000; St. Helena  
Sound, SC to Savannah River

GEODETIC DATUM: N.A. 1983

CHARTS AFFECTED: 11480, 11513, 11516, 11519

The following cartographic features have been identified as being of possible landmark value. These features have been identified and measured during photogrammetric operations. Refer to Nautical Charting Division Standard Digital Data Exchange Format documentation for quality code (QC) criteria and clarification of cartographic codes (CC).

FEATURE DESCRIPTION	NCD CC	GEOGRAPHIC POSITION - ' - " LATITUDE LONGITUDE	NCD O.C.	DATE OF LOCATION
---------------------	-----------	---------------------------------------------------	-------------	---------------------

TANK ✓	086 ✓	32	27	31.49 ✓	80	47	53.84 ✓	7	2-10-87 ✓
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TANK	086	32	24	53.53	80	44	56.58	4	2-10-87
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Listing approved by: Lowell C. Walker  
FINAL REVIEWER

May 1989  
DATE

### RECORD OF APPLICATION TO CHARTS

**FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.**

## INSTRUCTIONS

**A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.**

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

[illegible]