

TP-01409

TP-01409

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-01409

*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*

DAUFUSKIE ISLAND

19 87 TO 19

REGISTERED IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72) <div style="text-align: right; font-size: small;">           U. S. DEPARTMENT OF COMMERCE            NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.         </div>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY TP. <u>01409</u>  MAP EDITION NO. <u>(1)</u>  MAP CLASS <u>III Final</u>  JOB <u>NA-CM-8506</u>			
DESCRIPTIVE REPORT - DATA RECORD							
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit, Atlantic Marine Center, Norfolk, VA  OFFICER-IN-CHARGE C. Dale North, Jr., CDR		LAST PRECEDING MAP EDITION <table style="width:100%;"> <tr> <td style="width:50%;">           TYPE OF SURVEY  <input type="checkbox"/> ORIGINAL  <input type="checkbox"/> RESURVEY  <input type="checkbox"/> REVISED         </td> <td style="width:50%;">           JOB PH. _____            MAP CLASS _____            SURVEY DATES:            19__ TO 19__         </td> </tr> </table>				TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__
TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__						
I. INSTRUCTIONS DATED							
1. OFFICE			2. FIELD				
Aerotriangulation - None  Compilation - July 18, 1988			Control - December 12, 1986				
II. DATUMS							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1983 <input checked="" type="checkbox"/> NORTH AMERICAN			OTHER (Specify)				
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input checked="" type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL			OTHER (Specify)				
3. MAP PROJECTION Lambert Conformal Projection			4. GRID(S) <table style="width:100%;"> <tr> <td style="width:50%;">STATE NA</td> <td style="width:50%;">ZONE NA</td> </tr> </table>			STATE NA	ZONE NA
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 LANDMARKS AND AIDS BY L. Harrod		Mar 1988 Mar 1988			
2. CONTROL AND BRIDGE POINTS METHOD: Kongsberg Plotter		PLOTTED BY L. Harrod CHECKED BY D. Norman		Mar 1988 Mar 1988			
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:20,000		PLANIMETRY BY R. Kravitz CHECKED BY F. Mauldin CONTOURS BY NA CHECKED BY NA		Sep 1988 Sep 1988			
4. MANUSCRIPT DELINEATION METHOD: smooth drafted SCALE: 1:20,000		PLANIMETRY BY R. Kravitz CHECKED BY F. Mauldin CONTOURS BY NA CHECKED BY NA HYDRO SUPPORT DATA BY NA CHECKED BY NA		Oct 1988 Nov 1988			
5. OFFICE INSPECTION PRIOR TO <del>FIELD</del> final review		BY F. Mauldin		Nov 1988			
6. APPLICATION OF FIELD EDIT DATA		BY NA CHECKED BY NA					
7. COMPILATION SECTION REVIEW Class III		BY F. Mauldin		Nov 1988			
8. FINAL REVIEW Class III		BY L.O. Neterer, Jr.		Jun 1989			
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH		BY L.O. Neterer, Jr.					
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH		BY P. Dempsey		Dec. 1988			
11. MAP REGISTERED - COASTAL SURVEY SECTION		BY J. P. [Signature]		Jan. 1990			

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC10(B) (B=152.74mm) Wild RC10(Z) (Z=153.15mm)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE COORDINATED PHOTOGRAPHY XXXXXXXXXX Coordinated		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Eastern <input checked="" type="checkbox"/> STANDARD MERIDIAN 75° <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
*87B(C)3771-3773	2-10-87	1225	1:50,000	0.7 ft above MLLW	
**87B(C)3842-3847	2-10-87	1325	1:50,000	1.5 ft above MLLW	
*87B(C)3907-3911	2-10-87	1355	1:50,000	0.7 ft above MLLW	
**87Z(R)0421,0423	2-12-87	1458	1:50,000	0.6 ft above MLLW	
**87Z(R)0435,0437	2-13-87	1344	1:50,000	0.6 ft above MLLW	
**87Z(R)0463	2-13-87	1425	1:50,000	0.6 ft above MLLW	
**87Z(R)0659,0661	3-03-87	0954	1:50,000	0.2 ft above MHW	
**87Z(R)0681,0683	3-03-87	1016	1:50,000	0.3 ft above MHW	
**87Z(R)0695-0698	3-03-87	1034	1:50,000	0.3 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 ratio and 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-01406	TP-01410	CM-7205, TP-00491	No survey

REMARKS

TP-01409  
HISTORY OF FIELD OPERATIONSI. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	P. Walbolt	Jan 1987
2. HORIZONTAL CONTROL	RECOVERED BY C. Saunders	Jan 1987
	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

Paneled

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
87B(C)3772	WEST BASE USE, 1932		

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 ☒ 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)

1 form 76-53

1 form 75-82A

## RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	Nov 1988	Class III Manuscript		
Final Review	Jun 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
3		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 (Bridging)
- 1:50,000 Black & white (Infrared) MHW
- 1:50,000 Black & white (Infrared) MLLW
- 1:30,000 Color (Compilation)

Scale  
1:50,000  
1:30,000

Photo Collage

TP-01400

TP-01401

TP-01402

TP-01403

TP-01404

TP-01405

TP-01406

TP-01407

TP-01408

TP-01409

TP-01410

TP-01411

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TP-01678

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

TP-01409

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 November 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 April 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.*

Lloyd W. Harrod, Jr.

Approved and Forwarded

*Don O. Norman*

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

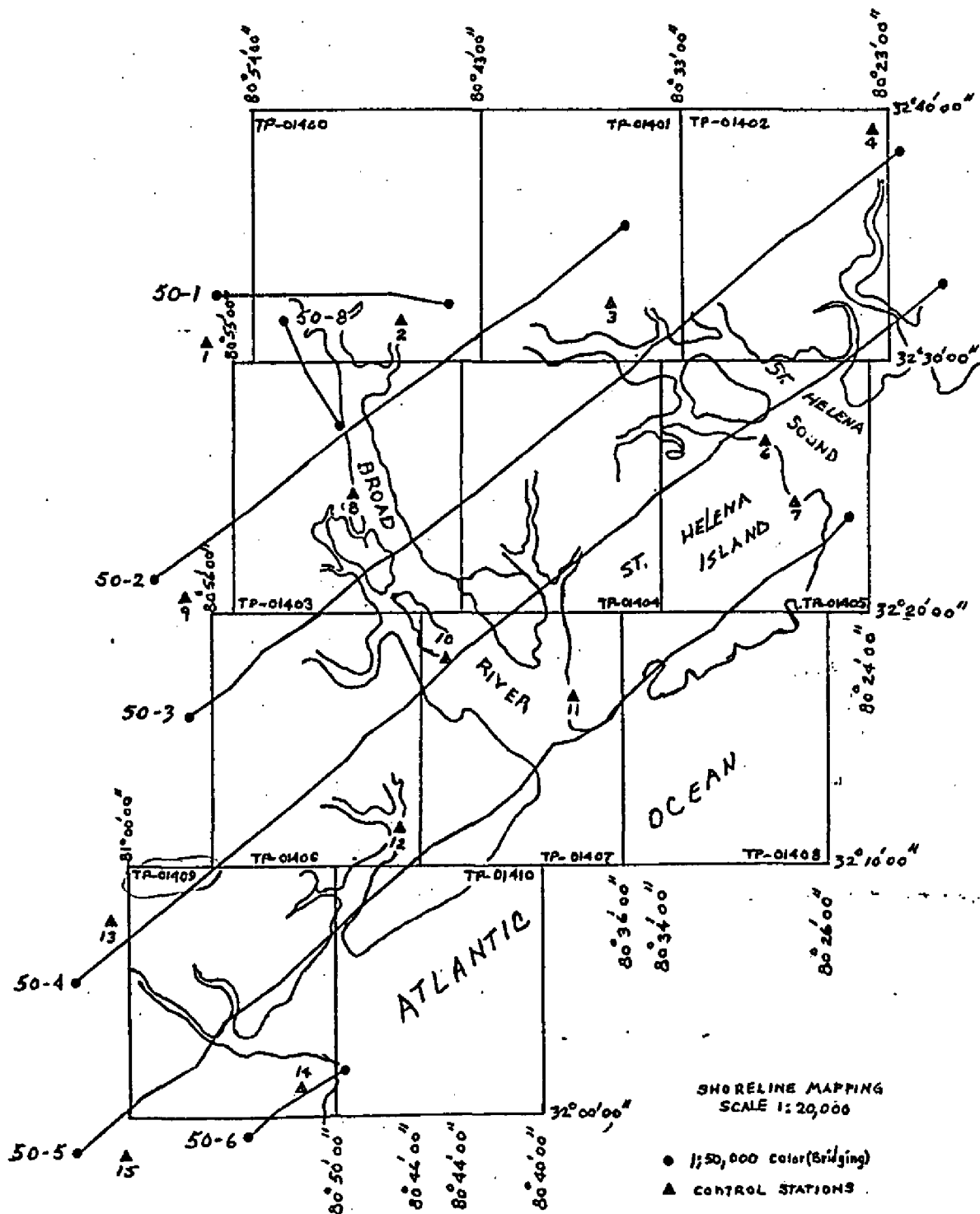
MHW 1:50,000 Black and White Infrared

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

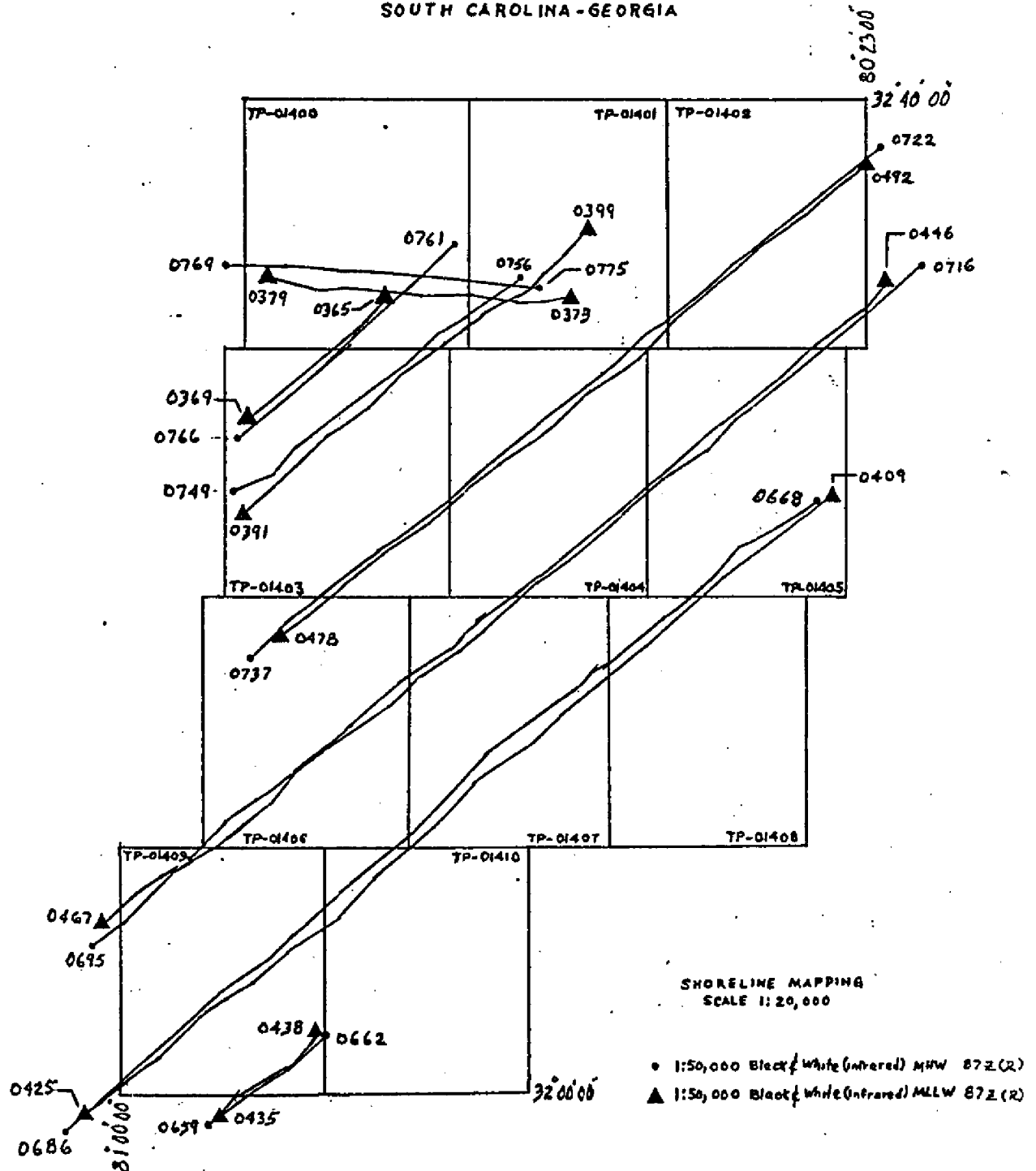
MLLW 1:50,000 Black and White Infrared

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-01409

### 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 ratio and 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 from office interpretation of the 1:50,000 scale bridging/compilation color photographs and the tide coordinated mean high water infrared ratio and 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, six charted landmarks and thirty-nine charted aids to navigation were located/verified photogrammetrically.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

A junction with TP-00491, CM-7205, could not be made due to the changes in the shoreline and the difference in the years of photography.

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:

Bluffton, South Carolina; dated 1956, photorevised 1971,  
photoinspected 1972; scale 1:24,000  
Tybee Island North, Georgia-South Carolina; dated 1978; scale  
1:24,000  
Prichardville, South Carolina; dated 1955, photorevised 1971; scale  
1:24,000  
Fort Pulaski, Georgia-South Carolina; dated 1978; 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  
11507; 22nd edition; dated February 15, 1986; scale 1:40,000  
11509; 21st edition; dated January 9, 1988; scale 1:80,000  
11512; 49th edition; dated April 2, 1988; scale 1:40,000  
11513; 18th edition; dated December 6, 1986; scale 1:80,000  
11516; 24th edition; dated September 14, 1985; scale 1:40,000

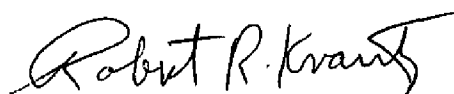
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

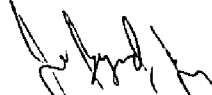
None.

Submitted by:



Robert R. Kravitz  
Cartographic Technician  
October 7, 1988

Approved:



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

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

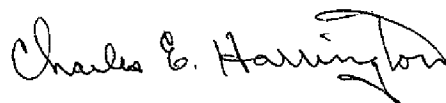
CM-8506 (St. Helena Sound to Savannah River, SC-GA)

TP-01409

Atlantic Ocean  
Battery Point  
Betz Creek  
Bird Island  
Bloody Point  
Bluff Island  
Bull Creek  
Bull River  
Calibogue Sound  
Carter Creek  
Chimney Creek  
Cockspur Island  
Coleman Island  
Cooper River  
Cooper River Landing  
Crab Creek  
Daufuskie Island  
Daufuskie Landing  
Daymark Island  
Doughboy Island  
Elba Island  
Elba Island Cut  
Fields Cut  
Fort Pulaski (fort)  
Glasgow Landing  
Goat Point  
Haig Point  
Hoophole Creek  
Horse Pen Creek  
Jack Crow Island  
Jones Island  
Lazaretto Creek

Long Island (1)  
Long Island (2)  
McQueens Island  
Mud Creek  
Mungen Creek  
New River  
Oatland Island  
Oyster Bed Island  
Oyster Creek  
Page Island  
Pine Island  
Ramshorn Creek  
Richardson Creek  
Saint Augustine Creek  
Savannah Point  
Savannah River  
Sazarine Creek  
Shad River  
South Channel  
Squaw Town Creek  
Talahi Island  
Turner Creek  
Turtle Island  
Tybee Island  
Tybee Island (locale)  
Tybee Knoll Spit  
Walls Cut  
Whitemarsh Island  
Wilmington River  
Wright River

Approved:



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

REVIEW REPORT  
SHORELINE

TP-01409

61. GENERAL STATEMENT

See Summary included with this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with the following USGS quadrangles:

BLUFFTON, SOUTH CAROLINA, dated 1956, photorevised  
1971, photoinspected 1972;

FORT PULASKI, GEORGIA-SOUTH CAROLINA, dated 1978

PRITCHARDVILLE, SOUTH CAROLINA, dated 1978,

TYBEE ISLAND NORTH, GEORGIA-SOUTH CAROLINA, dated 1978.

All four are 1:24,000 scale.

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 nautical charts:

11480, 28th edition, dated June 4, 1988, scale  
1:449,659

11507, 22nd edition, dated February 15, 1986, scale  
1:40,000

11509, 21st edition, dated January 9, 1988, scale  
1:80,000

11512, 49th edition, dated April 2, 1988, scale  
1:40,000

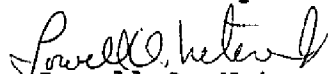
11513, 18th edition, dated December 6, 1986, scale  
1:80,000

11516, 24th edition, dated September 14, 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  
June 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 3

PROJECT: CM-8506

MAP NUMBER (Scale); Locality: TP-01409; 1:20,000; St. Helena Sound, SC to Savannah River

GEODETTIC DATUM: N.A. 1983

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 - "-"			NCD Q.C.	DATE OF LOCATION
		LATITUDE	LONGITUDE			
FLAGPOLE	086	32 01 37.60	80 53 26.40	7	2-10-87	
TANK	086	32 05 08.70	80 59 41.00	7	2-10-87	
TANK	086	32 05 11.10	80 59 48.20	7	2-10-87	
TANK	086	32 05 13.00	80 59 43.40	7	2-10-87	
OLD TOWER	139	32 01 21.685	80 52 48.002	3	2-10-87	
TANK	086	32 00 40.60	80 50 31.00	7	2-10-87	
ELBA ISLAND CUT LIGHT 2	200	32 04 18.80	80 58 20.90	7	2-10-87	
LIGHT 4	200	32 04 14.80	80 58 31.70	7	2-10-87	
LIGHT 8	200	32 04 06.70	80 58 54.10	7	2-10-87	
LIGHT 10A	200	32 03 49.80	80 59 41.10	7	2-10-87	
ELBA ISLAND LIGHT 37	200	32 04 23.40	80 58 29.20	7	2-10-87	
LIGHT 39	200	32 04 32.90	80 58 54.90	7	2-10-87	
ELBA ISLAND TURNING BASIN						
LIGHT A	200	32 05 01.50	80 59 04.80	7	2-10-87	
LIGHT B	200	32 04 47.40	80 58 50.70	7	2-10-87	
LIGHT C	200	32 04 51.10	80 59 20.10	7	2-10-87	
LIGHT D	200	32 04 36.00	80 59 05.20	7	2-10-87	

FEATURE DESCRIPTION	NCD CC	GEOGRAPHIC POSITION - "-"		NCD Q.C.	DATE OF LOCATION
LATITUDE	LONGITUDE				
ELBA ISLAND BASIN					
RANGE FRONT LIGHT	208 ✓	32 05 48.80 ✓	80 59 38.60 ✓	7 ✓	2-10-87 ✓
ELBA ISLAND TRAINING					
WALL LIGHT 42	200 ✓	32 05 32.00 ✓	80 59 24.30 ✓	7 ✓	2-10-87 ✓
FIELDS CUT					
LIGHT 45	200 ✓	32 05 19.60 ✓	80 55 44.10 ✓	7 ✓	2-10-87 ✓
LIGHT 48	200 ✓	32 04 27.30 ✓	80 57 42.10 ✓	7 ✓	2-10-87 ✓
LONG ISLAND CROSSING					
UPPER RANGE FRONT LT	208 ✓	32 04 20.80 ✓	80 57 26.10 ✓	7 ✓	2-10-87 ✓
UPPER RANGE REAR LT	209 ✓	32 04 29.20 ✓	80 57 34.60 ✓	7 ✓	2-10-87 ✓
LOWER RANGE FRONT LT	208 ✓	32 02 08.90 ✓	80 55 11.70 ✓	7 ✓	2-10-87 ✓
LOWER RANGE REAR LT	209 ✓	32 01 48.50 ✓	80 54 51.00 ✓	7 ✓	2-10-87 ✓
LOWER FLATS RANGE					
FRONT LIGHT	208 ✓	32 04 16.40 ✓	80 57 17.30 ✓	7 ✓	2-10-87 ✓
UPPER FLATS RANGE					
REAR LIGHT	209 ✓	32 04 24.60 ✓	80 58 56.50 ✓	7 ✓	2-10-87 ✓
NEW CHANNEL RANGE					
FRONT LIGHT	208 ✓	32 02 21.50 ✓	80 55 37.20 ✓	7 ✓	2-10-87 ✓
REAR LIGHT	209 ✓	32 02 27.20 ✓	80 56 18.30 ✓	7 ✓	2-10-87 ✓
WALLS CUT					
DAYBEACON 43	767 ✓	32 04 54.40 ✓	80 55 01.90 ✓	7 ✓	2-10-87 ✓
LIGHT 44	200 ✓	32 05 02.00 ✓	80 55 07.60 ✓	7 ✓	2-10-87 ✓
TYBEE KNOLL CUT RANGE					
FRONT LIGHT	208 ✓	32 02 00.20 ✓	80 53 54.30 ✓	7 ✓	2-10-87 ✓
TYBEE LIGHT REAR RANGE	209 ✓	32 01 20.10 ✓	80 50 44.40 ✓	7 ✓	2-10-87 ✓
NEW RIVER LIGHT 40	200 ✓	32 06 13.60 ✓	80 53 47.70 ✓	7 ✓	2-10-87 ✓
RAMSHORN CREEK					
LIGHT 37	200 ✓	32 07 48.70 ✓	80 53 21.50 ✓	7 ✓	2-10-87 ✓
LIGHT 39	200 ✓	32 06 52.30 ✓	80 53 51.30 ✓	7 ✓	2-10-87 ✓
DAUFUSKIE ISLAND					
LIGHT 35	200 ✓	32 08 18.00 ✓	80 52 00.80 ✓	7 ✓	2-10-87 ✓
THE BIGHT CHANNEL					
LIGHT 43	200 ✓	32 05 25.70 ✓	80 59 37.30 ✓	7 ✓	2-10-87 ✓
LIGHT 44	200 ✓	32 06 01.40 ✓	80 59 58.20 ✓	7 ✓	2-10-87 ✓
SOUTH CHANNEL					
LIGHT 2	200 ✓	32 02 04.40 ✓	80 51 03.50 ✓	7 ✓	2-10-87 ✓
LIGHT 3	200 ✓	32 01 35.80 ✓	80 51 17.30 ✓	7 ✓	2-10-87 ✓
LIGHT 5	200 ✓	32 01 15.40 ✓	80 51 52.90 ✓	7 ✓	2-10-87 ✓
LIGHT 7	200 ✓	32 01 09.10 ✓	80 52 46.90 ✓	7 ✓	2-10-87 ✓

\* Two lights are on the same structure

Listing approved

by?

**FINAL REVIEWER**

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]