

TP-01407

TP-01407

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-01407	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 DAWS ISLAND	
<div style="border: 1px solid black; padding: 5px; text-align: center;">19 87 TO 19</div>	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit, Atlantic Marine Center, Norfolk, VA		SURVEY TP. <u>01407</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III Final</u> JOB <u>CMRM-8506</u>	
OFFICER-IN-CHARGE C. Dale North, Jr., CDR		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB <u>PH-</u> MAP CLASS <u> </u> SURVEY DATES: 19 <u> </u> TO 19 <u> </u>	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Aerotriangulation None		Control Dec 12, 1986	
Compilation July 18, 1988			
II. DATUMS			
1. HORIZONTAL: <input checked="" type="checkbox"/> 1983 <input checked="" type="checkbox"/> NORTH 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) STATE NA ZONE NA	
5. SCALE 1:20,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY		L. Harrod	Mar 1988
		L. Harrod	Mar 1988
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Kongsburg Plotter CHECKED BY		L. Harrod	Mar 1988
		D. Norman	Mar 1988
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY		P. Evans	Oct 1988
INSTRUMENT: Wild B-8 SCALE: 1:20,000 CONTOURS BY		F. Mauldin	Oct 1988
		NA	
		NA	
4. MANUSCRIPT DELINEATION PLANIMETRY BY METHOD: Smooth drafted CHECKED BY		P. Evans	Nov 1988
		F. Mauldin	Dec 1988
		NA	
		NA	
SCALE: 1:20,000 HYDRO SUPPORT DATA BY		NA	
		NA	
5. OFFICE INSPECTION PRIOR TO FINAL Final Review BY		F. Mauldin	Dec 1988
6. APPLICATION OF FIELD EDIT DATA BY		NA	
		NA	
7. COMPILATION SECTION REVIEW Class III BY		F. Mauldin	Dec 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. Dampson	Dec 1989
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		J. E. Peterson	Jan. 1990

TP-01407

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°	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE COORDINATED PHOTOGRAPHY coordinated			

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
* 87B(C) 3850-3856 ✓	2-10-87 ✓	1325 ✓	1:50,000 ✓	1.5 ft above MLLW ✓
* 87B(C) 3899-3904 ✓	2-10-87 ✓	1355 ✓	1:50,000 ✓	0.7 ft above MLLW ✓
** 87Z(R) 0415, 0417, 0419 ✓	2-12-87 ✓	1455 ✓	1:50,000 ✓	0.6 ft above MLLW ✓
** 87Z(R) 0455, 0457, 0459 ✓	2-13-87 ✓	1415 ✓	1:50,000 ✓	0.6 ft above MLLW ✓
** 87Z(R) 0673, 0675, 0679 ✓	3-03-87 ✓	1015 ✓	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
TP-01403	11-8-1987				

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-01403, TP-01404	TP-01408	TP-01410	TP-01406

REMARKS

TP-01407
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 P. Walbolt ESTABLISHED BY NA PRE-MARKED OR IDENTIFIED BY P. Walbolt	Jan 1987 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 BY <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) 3902	PAW 3 RM2, 1931		
87B(C) 3855	STATION ISLAND 2, 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: ☐ 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)

2 forms 76-53
2 forms 75-82A
1 form 75-63

TP-01407
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	Dec 1988	Class III Manuscript		
Final Review	June 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
2		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: _____

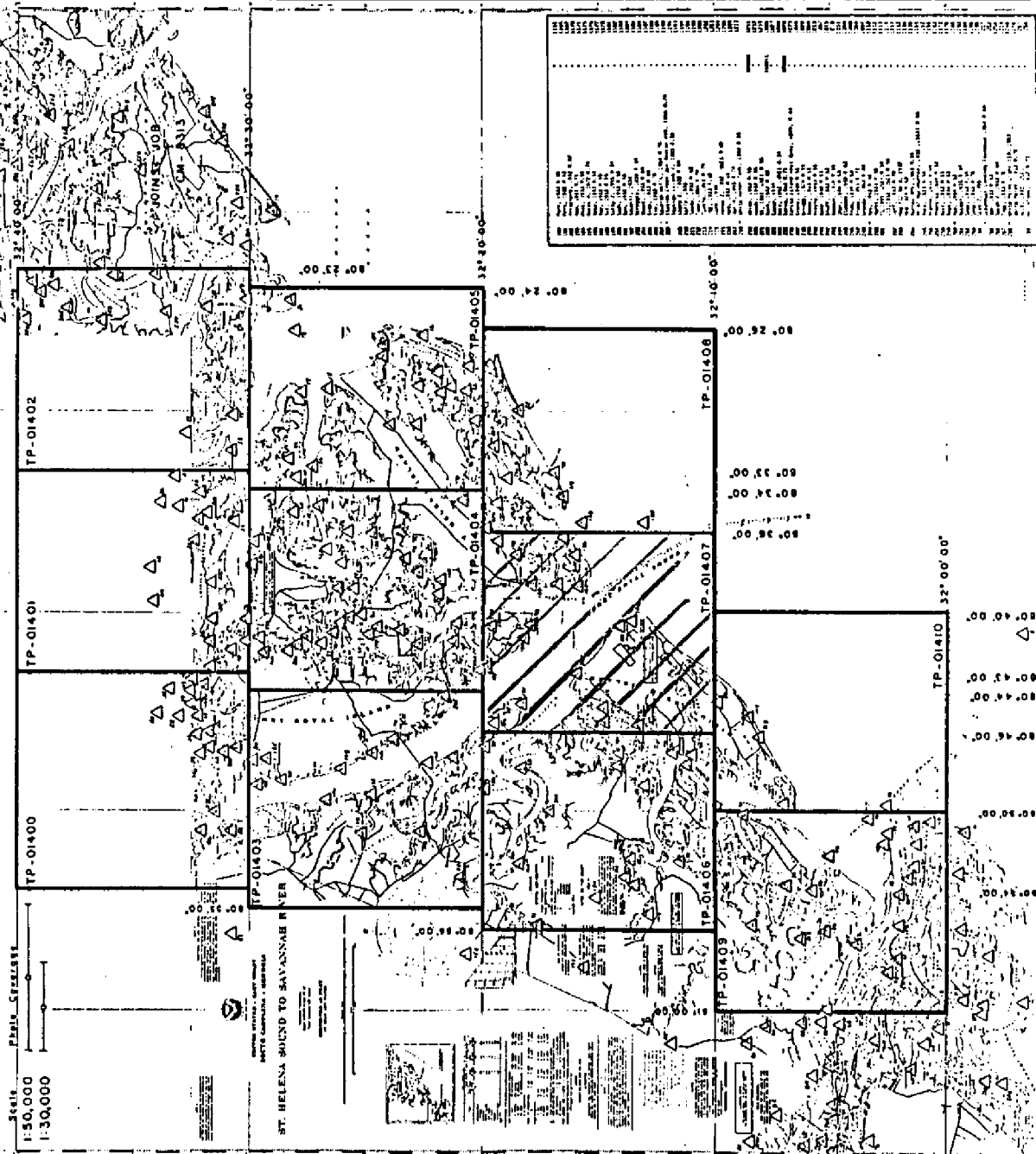
IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

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

LEGEND:

1:50,000	Color (Bridging)	MHW
1:50,000	Black & White (Infrared)	MHW
1:50,000	Black & White (Infrared)	MLLW
1:30,000	Color (Completion)	



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01407

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 December 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 June 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.

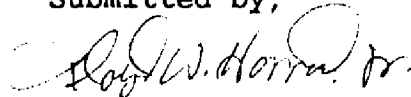
24. SUPPLEMENTAL DATA

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

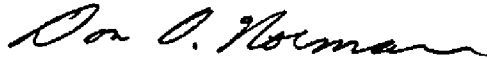
The photography was adequate.

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

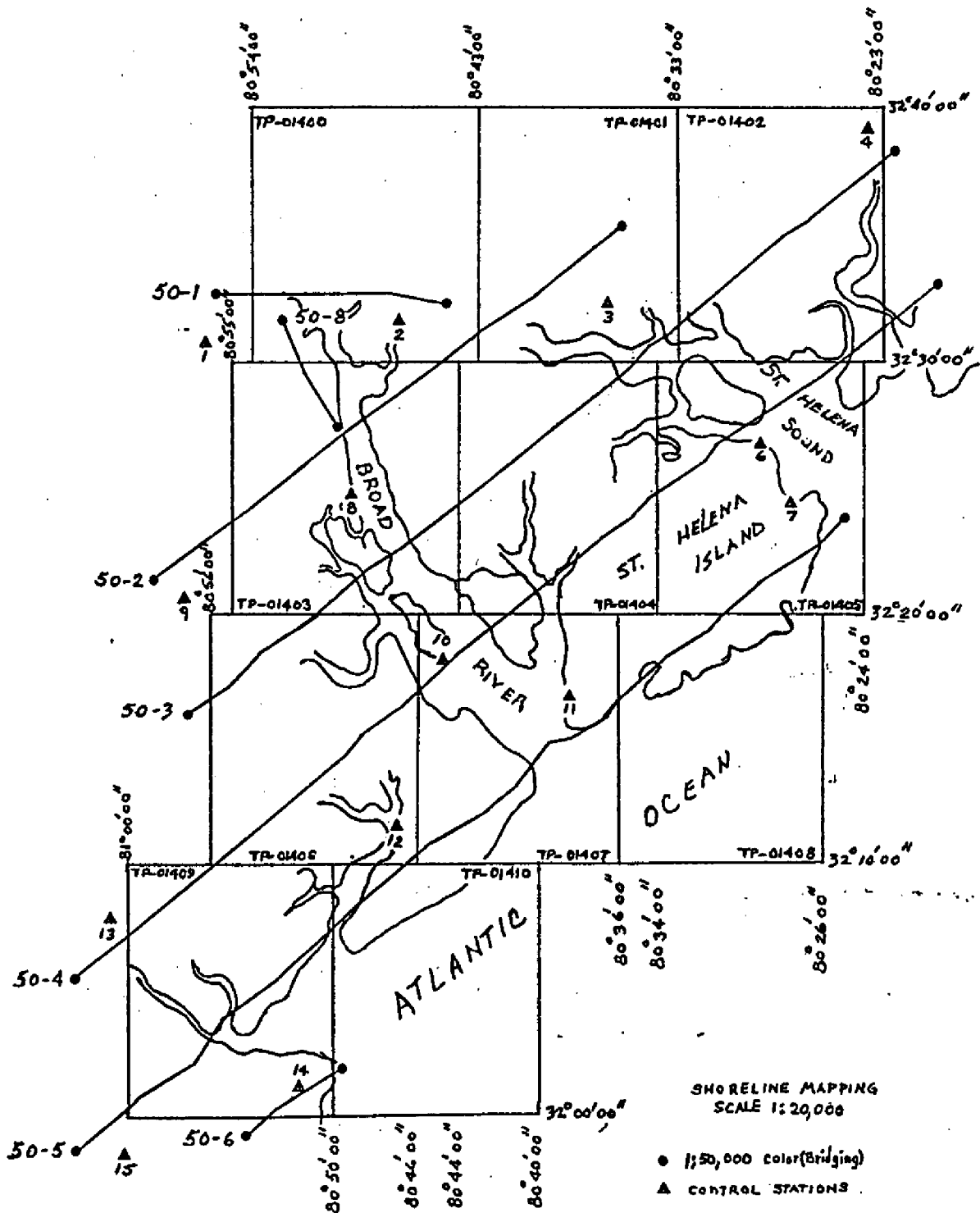
MHW 1:50,000 Black and White Infrared

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

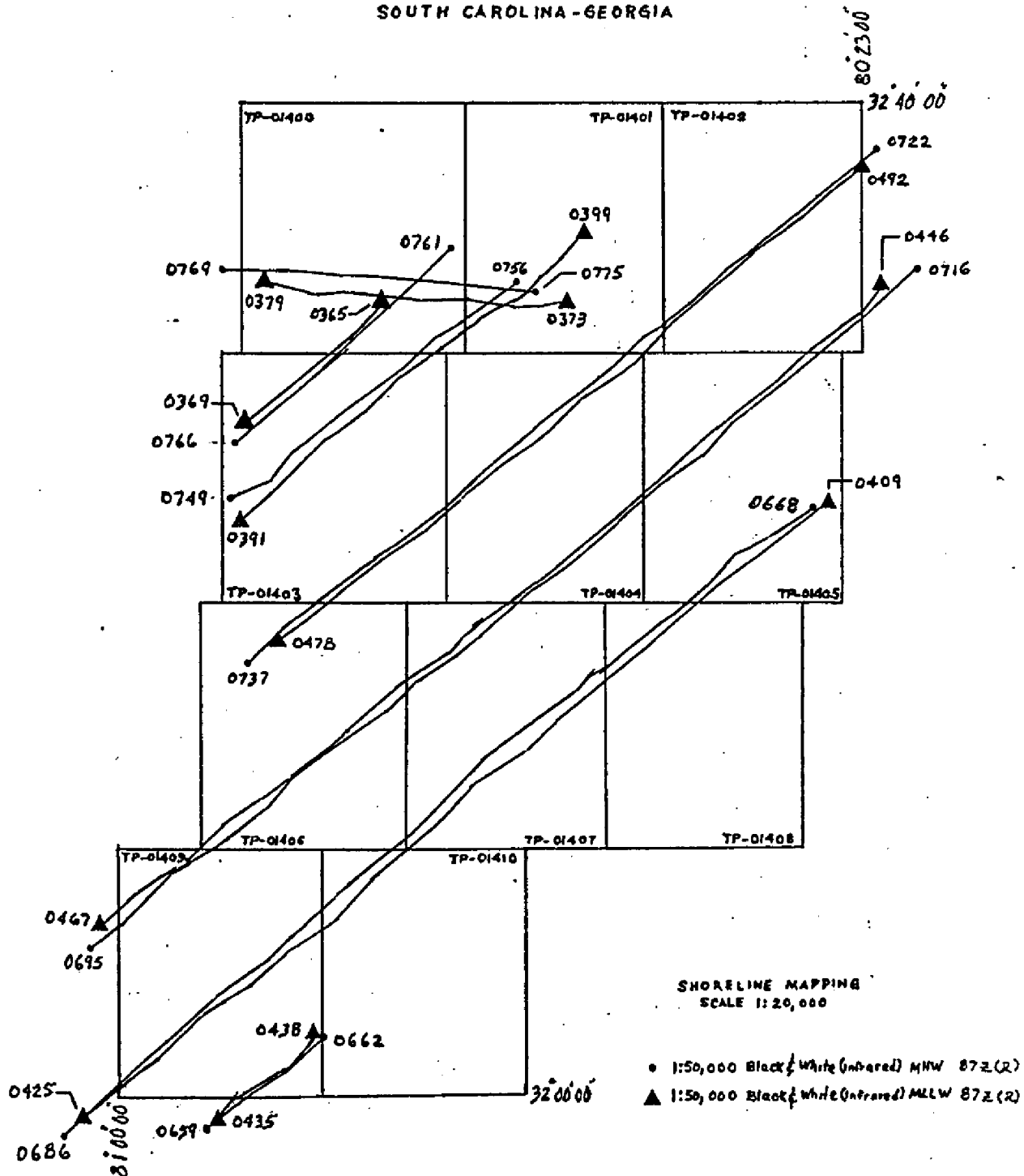
MLLW 1:50,000 Black and White Infrared

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



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY		
TP-01407	CM-8506	NAD 1983	Coastal Mapping Unit, Norfolk, VA		
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET STATE <u>South Carolina</u> ZONE _____	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE	REMARKS
STATION ISLAND 2, 1933	320803 Sta 1191	208	X=	ϕ 32° 16' 54.552" ✓	
			Y=	λ 80° 38' 29.295" ✓	
PARRIS ISLAND MICROWAVE TOWER, 1963	320803 Sta 1148	177	X=	ϕ 32° 19' 33.526" ✓	
			Y=	λ 80° 40' 37.028" ✓	
PARRIS ISLAND RADAR SET FPS 37, 1963	320803 Sta 1149	178	X=	ϕ 32° 19' 34.547" ✓	
			Y=	λ 80° 40' 37.324" ✓	
DAW 3 RM2, 1931	320803 Sta 1079	131	X=	ϕ 32° 18' 13.055" ✓	
			Y=	λ 80° 44' 32.449" ✓	
			X=	ϕ	
			Y=	λ	
			X=	ϕ	
			Y=	λ	
			X=	ϕ	
			Y=	λ	
			X=	ϕ	
			Y=	λ	
			X=	ϕ	
			Y=	λ	
			X=	ϕ	
			Y=	λ	
COMPUTED BY		DATE	COMPUTATION CHECKED BY		DATE
LISTED BY	P. L. Evans	DATE 10/2/88	LISTING CHECKED BY F. Mauldin		DATE 11-21-88
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE

COMPILATION REPORT

TP-01407

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 thirteen charted aids to navigation were 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:

Bluffton, South Carolina; dated 1956, photorevised 1971,
photoinspected 1972; scale 1:24,000
Hilton Head, South Carolina; dated 1956, photorevised 1971; scale
1:24,000
Parris Island, South Carolina; dated 1956, photorevised 1979; scale
1:24,000
St Phillips Island, South Carolina; dated 1956; scale 1:24,000
Spring Island, South Carolina; dated 1958; 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
11513; 18th edition; dated December 6, 1986; scale 1:80,000
11516; 24th edition; dated September 14, 1985; scale 1:40,000

TP-01407

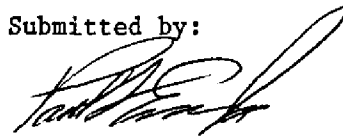
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:



Paul L. Evans, Jr.
Cartographic Technician
November 18, 1988

Approved:



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

JAN - 9 1989

GEOGRAPHIC NAMES

FINAL NAME SHEET

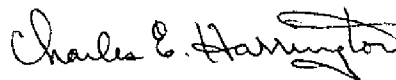
CM-8506 (St. Helena Sound to Savannah River, SC-GA)

TP-01407

Atlantic Ocean
Ballast Creek
Bay Point
Bay Point Island
Beaufort River
Bermuda Bluff
Bobb Island
Broad Creek
Broad River
Bull Point
Chechessee River
Daws Island
Dolphin Head
Fish Haul Creek
Folly, The
Fort Fremont (locale)
Hickory Bluff
Hilton Head

Hilton Head Island (locale)
Hilton Head Island
Jarvis Creek
Longwood
Mackay Creek
Morse Island Creek
Old House Creek
Park Creek
Parris Island
Pinckney Island
Port Royal Plantation
Port Royal Sound
Saint Helena Island
Saint Phillips Island
Seabrook Landing
Skull Creek
Station Creek
Whale Branch

Approved:



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

REVIEW REPORT
SHORELINE

TP-01407

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;

HILTON HEAD, SOUTH CAROLINA, dated 1956, photorevised
1971;

PARRIS ISLAND, SOUTH CAROLINA, dated 1956, photorevised
1979;

ST. PHILLIPS ISLAND, SOUTH CAROLINA, dated 1956;

SPRING ISLAND, SOUTH CAROLINA, dated 1958.

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 NOS charts:

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

11507, 23rd edition, dated January 7, 1989, 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.

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:

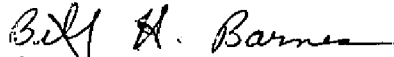


Lowell O. Neterer, Jr.

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 2

PROJECT: CM-8506

MAP NUMBER (Scale); Locality: TP-0140²; 1:20,000; St. Helena Sound, SC to Savannah River

GEODETTIC DATUM: N.A. 1983

CHARTS AFFECTED: 11480, 11513, 11516, 11517, 11518, 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 -'-"		NCD Q.C.	DATE OF LOCATION
		LATITUDE	LONGITUDE		
BROADCREEK LIGHT 6A ✓	200	32 10 42.20 ✓	80 45 40.80 ✓	7 ✓	2-10-87 ✓
LIGHT 18 ✓	200 ✓	32 11 04.50 ✓	80 44 08.90 ✓	7 ✓	2-10-87 ✓
PALMETTO DUNES MARINA WEST LIGHT 22 ✓	200 ✓	32 11 00.00 ✓	80 43 59.10 ✓	7 ✓	2-10-87 ✓
EAST LIGHT 23 ✓	200 ✓	32 11 00.80 ✓	80 43 57.10 ✓	7 ✓	2-10-87 ✓
PARRIS ISLAND SPIT LIGHT 246 ✓	200 ✓	32 16 43.80 ✓	80 39 58.80 ✓	7 ✓	2-10-87 ✓
STATION CREEK WEST END TIDE GAGE DAY BEACON	223 ✓	36 16 45.70 ✓	80 38 28.50 ✓	7 ✓	2-10-87 ✓
DAY BEACON A 19 ✓	767 ✓	36 16 43.20 ✓	80 38 35.90 ✓	7 ✓	2-10-87 ✓
BEAUFORT RIVER RANGE C REAR LIGHT ✓	209 ✓	32 19 31.30 ✓	80 38 55.20 ✓	7 ✓	2-10-87 ✓
BOBB ISLAND TIDE GAGE DAYBEACON ✓	223 ✓	32 15 57 50 ✓	80 44 16.50 ✓	7 ✓	2-10-87 ✓
SKULL CREEK LIGHT 8 ✓	200 ✓	32 15 05.80 ✓	80 45 13.10 ✓	7 ✓	2-10-87 ✓
LIGHT 15 ✓	200 ✓	32 14 00.60 ✓	80 45 29.90 ✓	7	2-10-87 ✓
MACKAY CREEK LIGHT 1 ✓	200 ✓	32 16 53.00 ✓	80 44 51.10 ✓	7 ✓	2-10-87 ✓
FORT FREEMONT TIDE GAGE DAYBEACON ✓	223 ✓	32 18 25.40 ✓	80 38 44.30 ✓	7 ✓	2-10-87 ✓
TANK ✓	993 ✓	32 14 18.50 ✓	80 44 16.60 ✓	7 ✓	2-10-87 ✓
MICRO TOWER ✓	139 ✓	32 19 33.526 ✓	80 40 37.028 ✓	3 ✓	2-10-87 ✓
LOOKOUT TOWER ✓	086 ✓	32 19 48.80 ✓	80 42 39.40 ✓	7 ✓	2-10-87 ✓

Listing approved by:

June 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]