TP-01405

TP-01405

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.	*Edition No.*
TP-01405	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
ST HELENA SOUND

19 87 TO 19

REGISTERED IN ARCHIVES

DATE

*U.S. GOVERNMENT PRINTING OFFICE: 1980-665-115

NOAA FORM 76-36A (3-72) — U.S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: [X] ORIGINAL [ ] RESURVEY [ ] REVISED

SURVEY TP- 01405

MAP EDITION NO. (1)

MAP CLASS III Final

JOB CM FX- 8506

PHOTOGRAMMETRIC OFFICE: Coastal Mapping Unit, Atlantic Marine Center, Norfolk, VA

OFFICER-IN-CHARGE: C. Dale North,Jr., CDR

LAST PRECEEDING MAP EDITION

TYPE OF SURVEY: [ ] ORIGINAL [ ] RESURVEY [ ] 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: [X] 1983 (XXX 1927) NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [X] MEAN HIGH-WATER [ ] MEAN LOW-WATER [X] 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: Kongsberg	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	D. Miller	Aug 1988
	CHECKED BY	F. Mauldin	Aug 1988
	CONTOURS BY	NA	
	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION METHOD: SCALE:	PLANIMETRY BY	D. Miller	Aug 1988
	CHECKED BY	F. Mauldin	Oct 1988
	CONTOURS BY	NA	
	CHECKED BY	NA	
	HYDRO SUPPORT DATA BY	NA	
	CHECKED BY	NA	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT (XXXXXXXX Final Review)	BY	F. Mauldin	Oct 1988
6. APPLICATION OF FIELD EDIT DATA	BY	NA	
	CHECKED BY	NA	
7. COMPILATION SECTION REVIEW Class III	BY	F. Mauldin	Oct 1988
8. FINAL REVIEW Class III	BY	L.O. Neterer, Jr.	May 1988
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	L.O. Neterer, Jr.	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	P. Dempsey	Dec. 1989
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	J. Tilson	Jan. 1990

NOAA FORM 76-36A — SUPERSEDES FORM C&GS 181 SERIES

* U.S. G.P.O. 1972-769382/582 REG.#6

NOAA FORM 76-36B
(3-72)

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

TP-01405

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S)
Wild RC10(Z) (Z=153.15 mm)
Wild RC10(B) (B=152.74 mm)

TYPES OF PHOTOGRAPHY LEGEND
(C) COLOR
(P) PANCHROMATIC
(I) INFRARED

TIME REFERENCE
ZONE: Eastern
[X] STANDARD
MERIDIAN: 75°
[ ] DAYLIGHT

TIDE STAGE REFERENCE
[X] PREDICTED TIDES
[ ] REFERENCE STATION RECORDS
[X] TIDE ~~CONTROLLED~~ coordinated PHOTOGRAPHY

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
*87B(C)3894-3903	2-10-87	1355	1:50,000	0.7 ft above MLLW
*87B(C)3873-3879	2-10-87	1325	1:50,000	1.5 ft above MLLW
*87B(C)3786-3787	2-10-87	1252	1:50,000	0.7 ft above MLLW
**87Z(R)0449, 0451	2-13-87	1420	1:50,000	0.6 ft above MLLW
**87Z(R)0409,0411,0413	2-12-87	1458	1:50,000	0.6 ft above MLLW
**87Z(R)0487	2-13-87	1442	1:50,000	0.6 ft above MLLW
**87Z(R)0668-0670	3-03-87	1016	1:50,000	0.3 ft above MHW
**87Z(R)0710-0713	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 photographs 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-01401, TP-01402	CM-8313, TP-01288	TP-01408	TP-01404

REMARKS

NOAA FORM 76-36B
(3-72)

☆U.S.GOVERNMENT PRINTING OFFICE: 1985-564-007

NOAA FORM 76-36C
(3-72)

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

TP-01405

HISTORY OF FIELD OPERATIONS

I. [X] FIELD INSPECTION OPERATION [ ] FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		P. Walbolt	Jan 1987
2. HORIZONTAL CONTROL	RECOVERED BY	M. Burns/C. Saunders	Jan 1987
	ESTABLISHED BY	NA	
	PRE-MARKED OR IDENTIFIED BY	M. Burns/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 [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [X] NO INVESTIGATION — BY		
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

PHOTO NUMBER	STATION NAME
87B(C)3899	COFFIN, 1933
87B(C)3879	SWING, TBM 2, 1963

2. VERTICAL CONTROL IDENTIFIED

None

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 [X] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [X] 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 76-86
2 forms 76-53
2 forms 75-63
4 forms 75-82A

NOAA FORM 76-36C
(3-72)

*U.S. GOVERNMENT PRINTING OFFICE:1977-765-092

NOAA FORM 76-36D
(3-72)

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

TP-01405

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	Oct 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 form

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)*

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH- _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL

☆ U.S. GPO: 1977-765-092/1106 Region 6

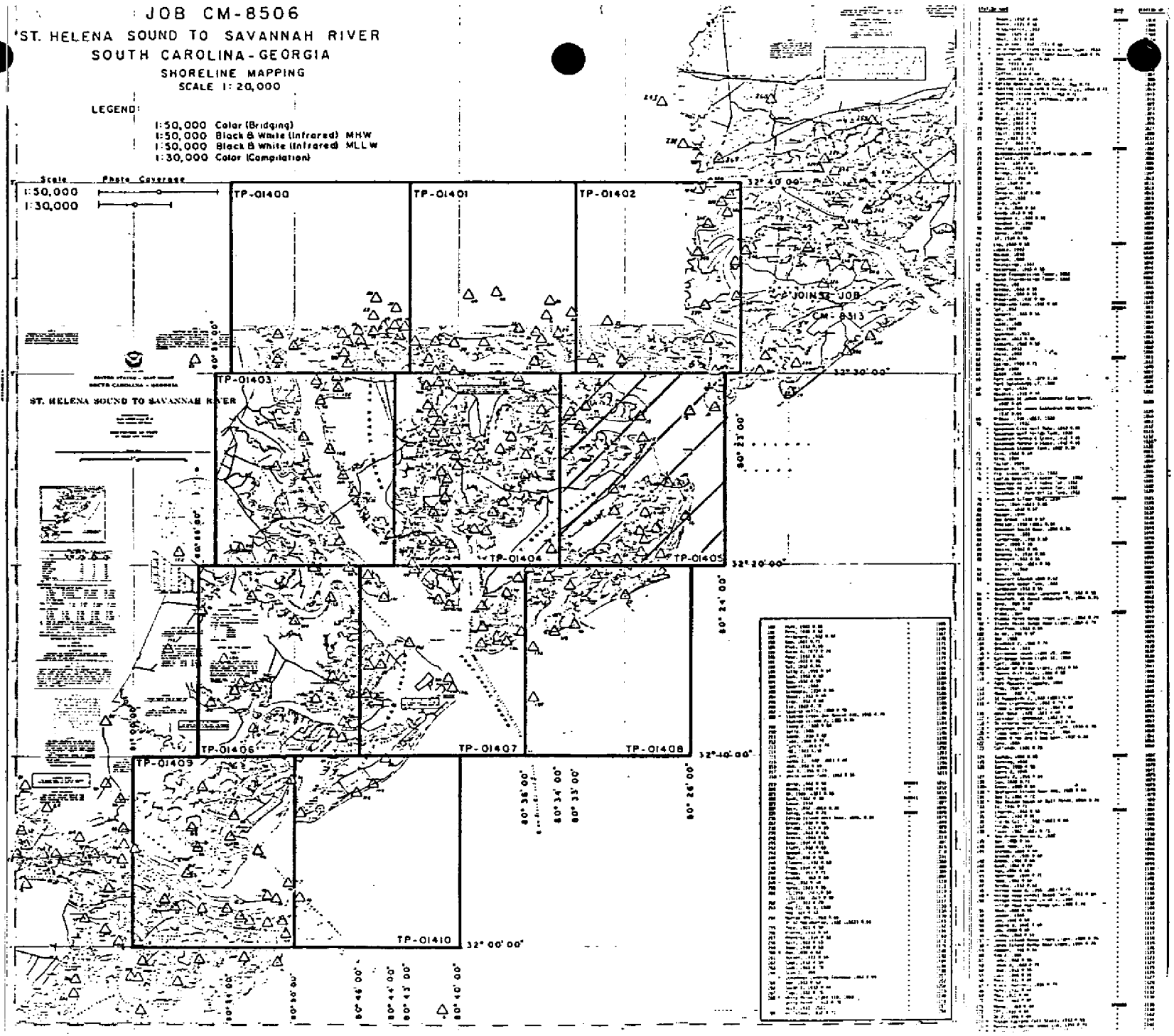
JOB CM-8506

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)



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01405

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° 00' 00" north to latitude 32° 40' 00" and longitude 80° 23' 00" west to longitude 81° 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 October 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.

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

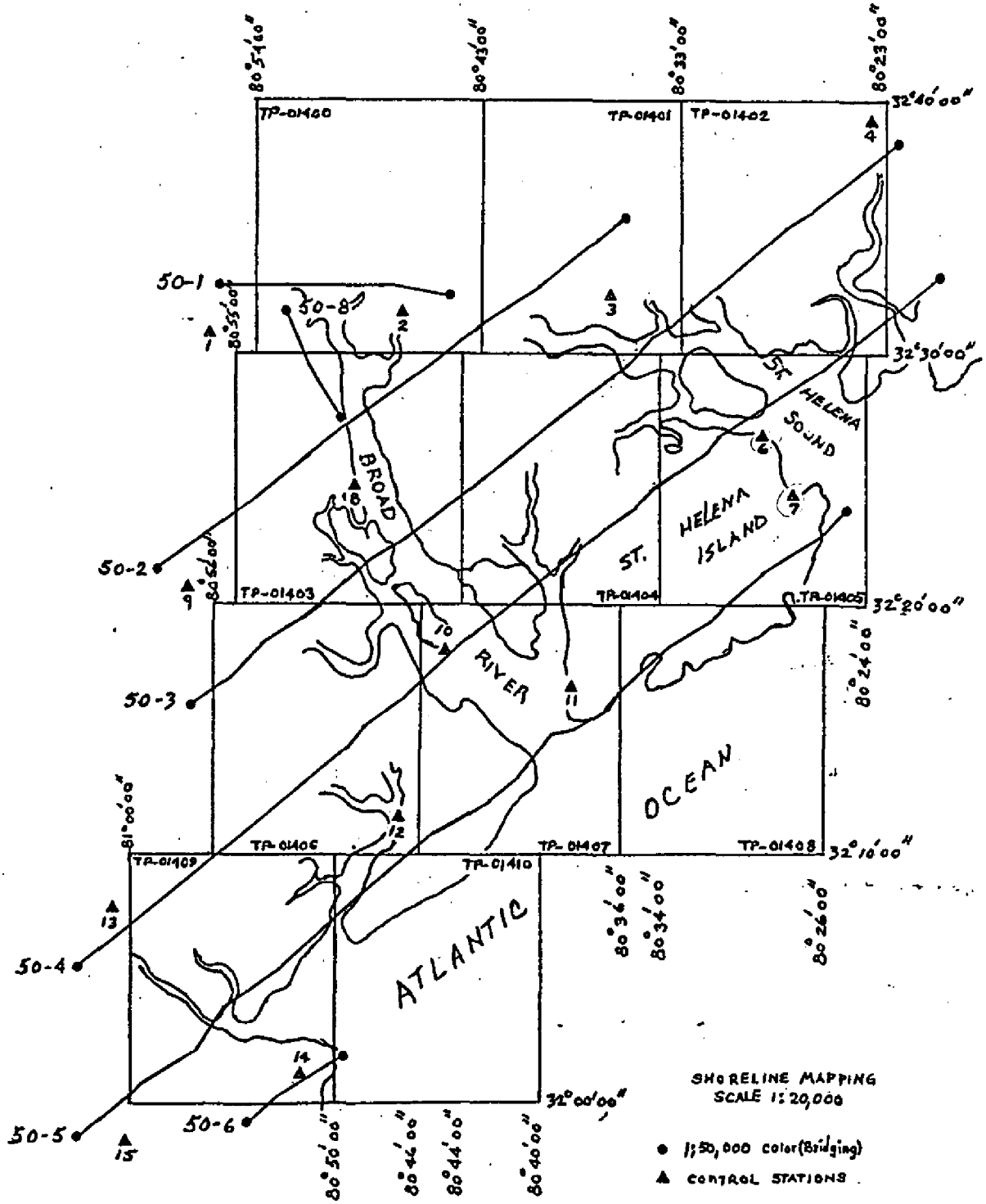
	Name	Point No.	X	Y
1.	Panel #1	(955101)	-0.2	0.1
2.	McLeud, 1933 Panel #2 Direct	(952100)	-1.0	-2.5
3.	Chisholm, 1932 Panel #3 Direct	(757100)	1.0	0.5
4.	Panel #4	(781101)	1.0	-1.4
6.	Panel #6	(895101)	0.0	0.2
7.	Panel #7	(861101)	1.6	1.0
8.	EUHAW, 1933 Panel #8 Direct	(751100)	1.8	-1.2
9.	Panel #9	(747101)	-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

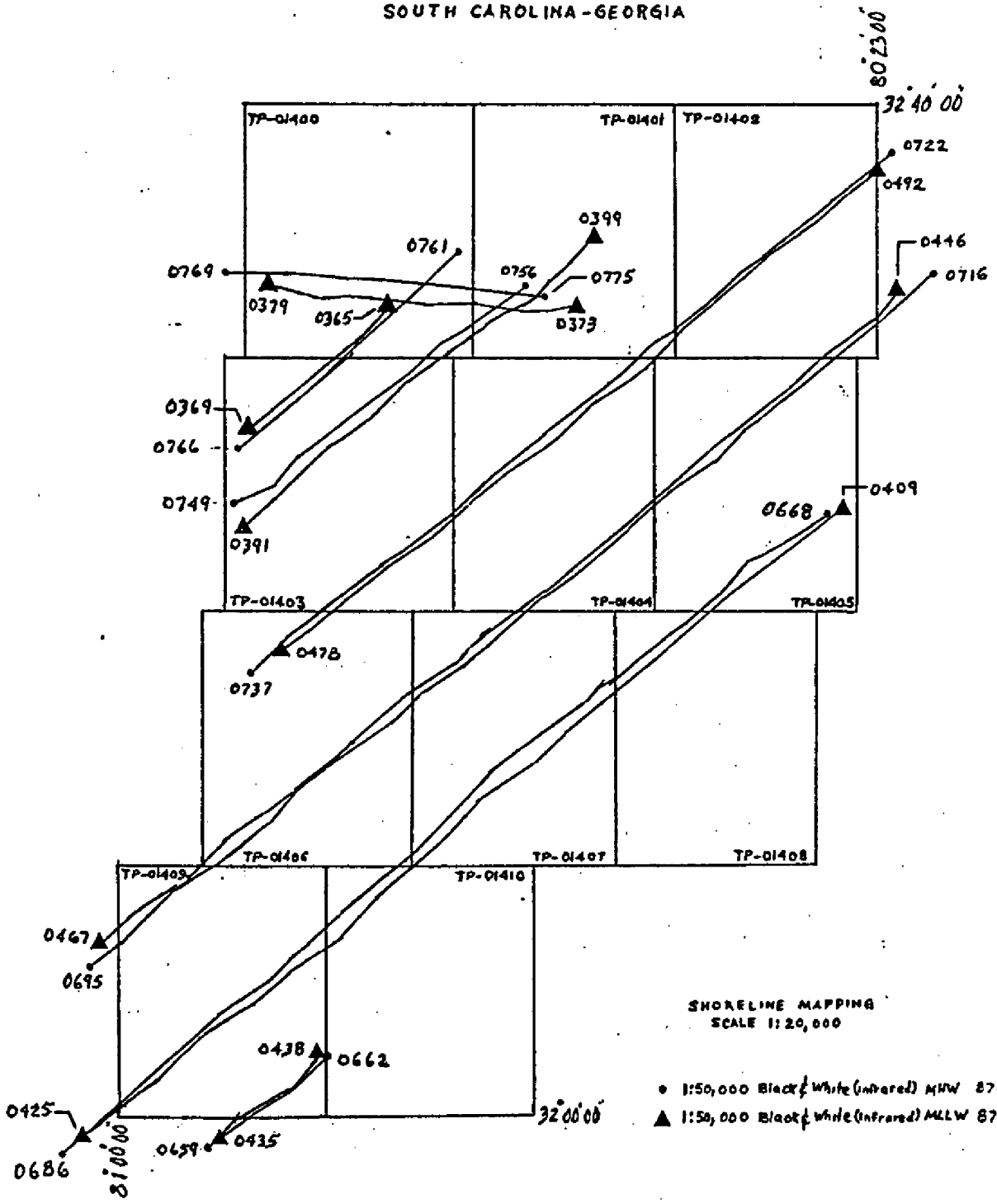
JOB CM-8506

ST. HELENA SOUND TO SAVANNAH RIVER
SOUTH CAROLINA-GEORGIA



JOB CM-8506

ST. HELENA SOUND TO SAVANNAH RIVER
SOUTH CAROLINA-GEORGIA



SHORELINE MAPPING
SCALE 1:20,000

- 1:50,000 Black & White (infrared) MHW 87 Z (R)
- ▲ 1:50,000 Black & White (infrared) MLLW 87 Z (R)

NOAA FORM 76-41
(6-75)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-01405	CM-8506	NA 1983	AMC Coastal Mapping Unit, Norfolk, VA

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE South Carolina ZONE NA	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
COFFIN, 1933	Quad 320802 Sta 1007	12	x=	φ 32° 26' 41.852"	
			y=	λ 80° 28' 49.806"	
SWING TBM 2, 1963	Quad 320802 Sta 1030	15	x=	φ 32° 24' 22.475"	
			y=	λ 80° 27' 30.408"	
HUNTING ISLAND LIGHTHOUSE, 1902	Quad 320802 Sta 1016	16	x=	φ 32° 22' 32.053"	
			y=	λ 80° 26' 15.074"	
			x=	φ	
			y=	λ	
			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 D. Miller	DATE 8/24/88	LISTING CHECKED BY F. Mauldin	DATE 9/28/88
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

COMPILATION REPORT

TP-01405

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 and two ratio photographs. The ratio photographs covered the area south of 32° 26.0' latitude. These were the only mean high water infrared ratios available for this map.

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 bridging/compilation color photographs and was complimented by the tide coordinated mean high water infrared contact photographs and ratio photographs as described in item #31.

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, three charted landmarks and five 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:

St. Phillips Island, South Carolina; dated 1956; scale 1:24,000
St. Helena Sound, South Carolina; dated 1956, photorevised 1979; scale 1:24,000
Frogmore, South Carolina; dated 1956; scale 1:24,000
Fripps Inlet, South Carolina; dated 1958, photorevised 1979; scale 1:24,000

47. COMPARISON WITH NAUTICAL CHARTS:

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

11480; 28th 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
11517; 12th edition; dated August 24, 1985; scale 1:40,000
11518; 23rd edition; dated June 27, 1987; 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:

David R. Miller

David R. Miller
Cartographer
August 30, 1988

Approved:

James L. Byrd, Jr.

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-01405

Ashe Island
Ashepoo River
Atlantic Ocean
Bass Creek
Butchers Island
Cherry Hill Knoll Island
Club Bridge Creek
Coffin Creek
Coffin Point
Coosaw River
Doe Point
Doe Point Creek
Duck Pond Creek
Edding Creek
Edding Point
Egg Point
Fripp Inlet
Fripp Island
Fripp Point
Fripps Point
Harbor Island
Harbor River
Horse Island
Hunting Island
Hunting Island Beach
Hutchinson Island
Jefford Creek
Jenkins Creek
Johnson Creek
Judge Island
Morgan Back Creeks
Morgan Island
Morgan River
Needle Point
Old House Creek
Old Island
Otter Creek
Otter Islands
Parrot Creek
Pine Island
Pine Island Creek
Saint Helena Island
Saint Helena Sound
Story River
Village Creek
Ward Creek

Approved:

Charles E. Harrington

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

REVIEW REPORT
SHORELINE

TP-01405

61. GENERAL STATEMENT

See Summary included with this Descriptive Report.

Only two enlargement prints of the infrared mean high water photographs were supplied for this map.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with the following USGS quadrangles:

Frogmore, South Carolina, dated 1956, scale 1:24,000
Fripps Inlet, South Carolina, dated 1958, photorevised 1979, scale 1:24,000
St. Helena Sound, South Carolina, dated 1956, photorevised 1979, scale 1:24,000
St. Phillips Island, South Carolina, dated 1956, 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, 1:449,659 scale
11513, 18th edition, dated December 6, 1986, 1:80,000 scale
11516, 24th edition, dated September 14, 1985, 1:40,000 scale
11517, 12th edition, dated August 24, 1985, 1:40,000 scale

11518, 24th edition, dated October 29, 1988, 1:40,000 scale
11519, 8th edition, dated July 12, 1986, 1:40,000 scale

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
Lowell O. Neterer, Jr.
Final Reviewer
May 1989

Approved for Forwarding:
Billy H. Barnes
Billy H. Barnes
Chief, Quality Assurance Group, AMC

Approved:

N/A
Chief, Photogrammetric Production Section

Chief, Photogrammetry Branch

CARTOGRAPHIC FEATURES OF CHARTING INTEREST

PROJECT: CM-8506

MAP NUMBER (Scale); Locality: TP-01405; 1:20,000; St. Helena Sound, SC to Savannah River

GEODETIC 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 -'-" LATITUDE	LONGITUDE	NCD Q.C.	DATE OF LOCATION
HARBOR RIVER					
DAYBEACON A13	767	32 23 08.44	80 28 48.17	7	2-10-87
DAYBEACON A14	224	32 22 30.91	80 29 36.19	7	2-10-87
ST HELENA SOUND LIGHT 13	200	32 29 11.59	80 29 26.24	7	2-10-87
COOSAW RIVER LIGHT 187	200	32 29 59.73	80 32 01.29	7	2-10-87
STORY RIVER DAYBEACON A16	224	32 20 55.84	80 28 58.05	7	2-10-87
TOWER (ABANDON LTHO)	139	32 22 32.053	80 26 15.074	3	2-10-87
TANK	086	32 23 56.16	80 26 30.95	7	2-10-87
TANK (NORTH OF LTHO)	086	32 22 46.26	80 26 26.81	4	2-10-87

Listing approved by: Lowell O. Butler Jr. FINAL REVIEWER — May 25, 1989 DATE

FORM C&GS-8352
(3-29-63)

NAUTICAL CHART DIVISION

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.

CHART	DATE	CARTOGRAPHER	REMARKS
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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