

TP-01402

TP-01402

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-01402

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

SETTLEMENT ISLANDS

1987 TO 19

REGISTERED IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY

- ☒ ORIGINAL
☐ RESURVEY
☐ REVISED

SURVEY TP. 01402MAP EDITION NO. (1)MAP CLASS Class-IIIFinal
JOB CM ~~NA~~ 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
☒ ~~1983~~ 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: Kongsberg 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	July 1988
	CHECKED BY	F. Mauldin	Aug 1988
	CONTOURS BY	NA	
	CHECKED BY	NA	
	HYDRO SUPPORT DATA BY	NA	
	CHECKED BY	NA	
5. OFFICE INSPECTION PRIOR TO REVIEW Final Review	BY	F. Mauldin	Aug 1988
6. APPLICATION OF FIELD EDIT DATA	BY	NA	
	CHECKED BY	NA	
7. COMPILATION SECTION REVIEW Class III	BY	F. Mauldin	Aug 1988
8. FINAL REVIEW Class III	BY	L.O. Neterer, Jr.	Aug 1988
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. L. Latham	Jan. 1989

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC10(B) (B=152.74mm) Wild RC10(2) (Z=153.15mm)		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE COORDINATED PHOTOGRAPHY Coordinated				ZONE Eastern	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
MERIDIAN 75°					
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
* 87B(C) 3781-3786	2-10-87	1252	1:50,000	0.7 ft above MLLW	
* 87B(C) 3891-3897	2-10-87	1355	1:50,000	0.7 ft above MLLW	
**87Z(R) 0447, 0449	2-13-87	1421	1:50,000	0.6 ft above MLLW	
**87Z(R) 0487, 0489, 0491	2-13-87	1442	1:50,000	0.6 ft above MLLW	
**87Z(R) 0713-0715	3-03-87	1034	1:50,000	0.3 ft above MHW	
**87Z(R) 0724-0727	3-03-87	1055	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 are based on actual tide data and are

2. SOURCE OF MEAN HIGH-WATER LINE: referenced to the tide station at the Savannah Bar Pilots Dock.

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
No survey	CM-8313, TP-01283	TP-01405	TP-01401

REMARKS

TP-01402

HISTORY OF FIELD OPERATIONS

I. ☒ 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	Jan 1987
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY P. Walbolt	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

paneled

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER

STATION NAME

87B(C)3781

HOS, 1933

PHOTO NUMBER

STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER

OBJECT NAME

PHOTO NUMBER

OBJECT NAME

5. GEOGRAPHIC NAMES:

☐ REPORT☒ NONE

6. BOUNDARY AND LIMITS:

☐ REPORT☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

1 form 76-53

1 form 75-63

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	August 1988	Class III Manuscript		
Final Review	April 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)

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 (Completion)

Scale

1:50,000
1:30,000

TP-01400

TP-01401

TP-01402

ST. HELENA SOUND TO SAVANNAH RIVER

TP-01403

TP-01404

TP-01405

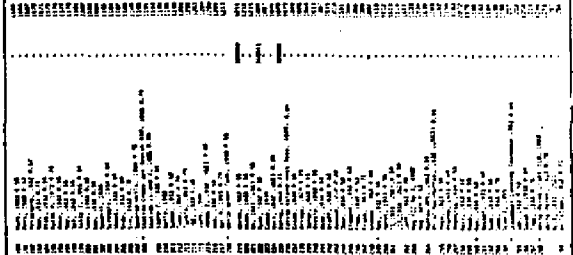
TP-01406

TP-01407

TP-01408

TP-01409

TP-01410



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01402

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 August 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.

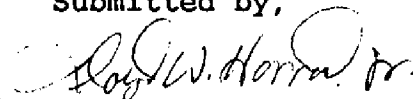
24. SUPPLEMENTAL DATA

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

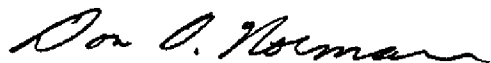
The photography was adequate.

Submitted by,



Lloyd W. Harrod, Jr.

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

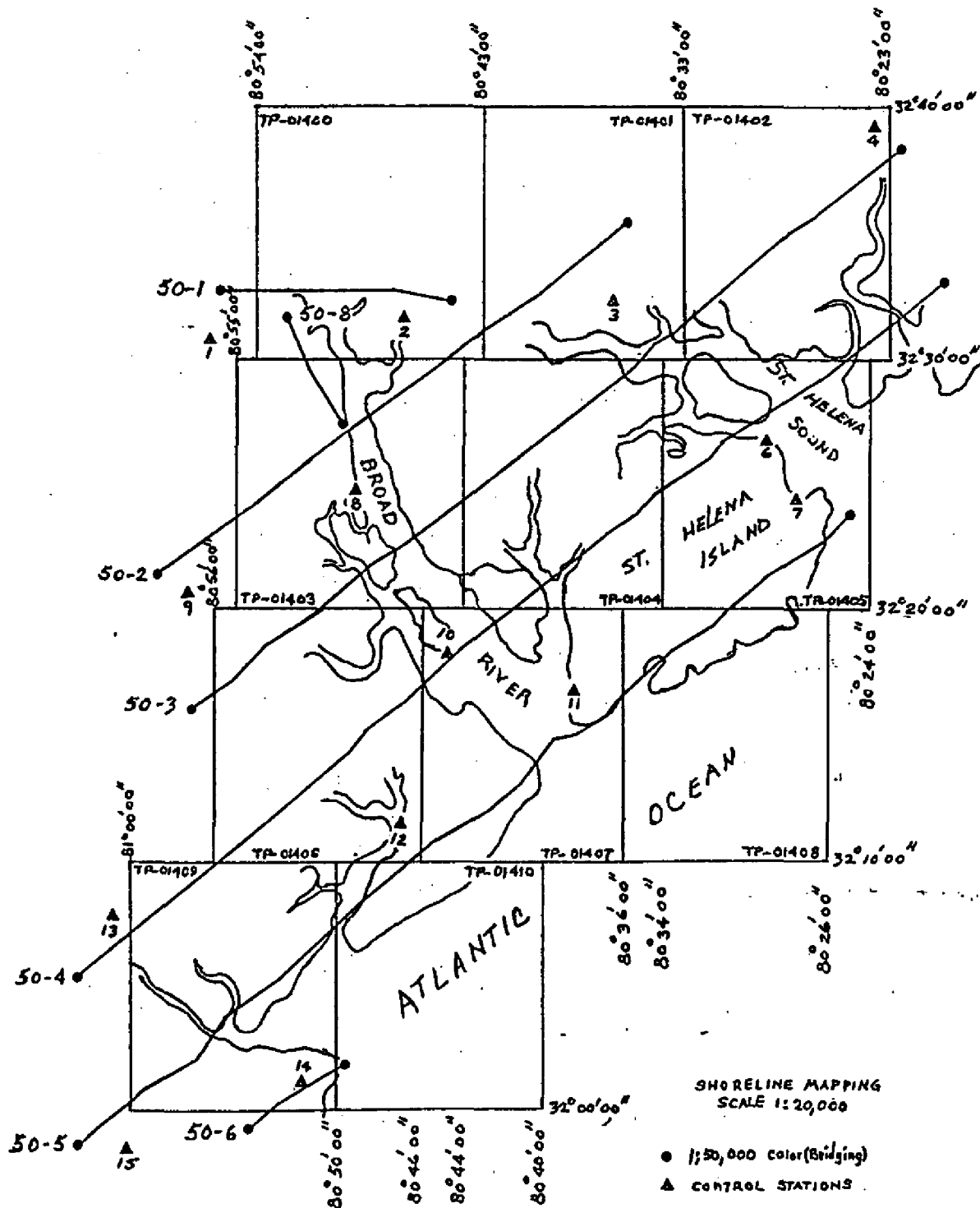
MHW 1:50,000 Black and White Infrared

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

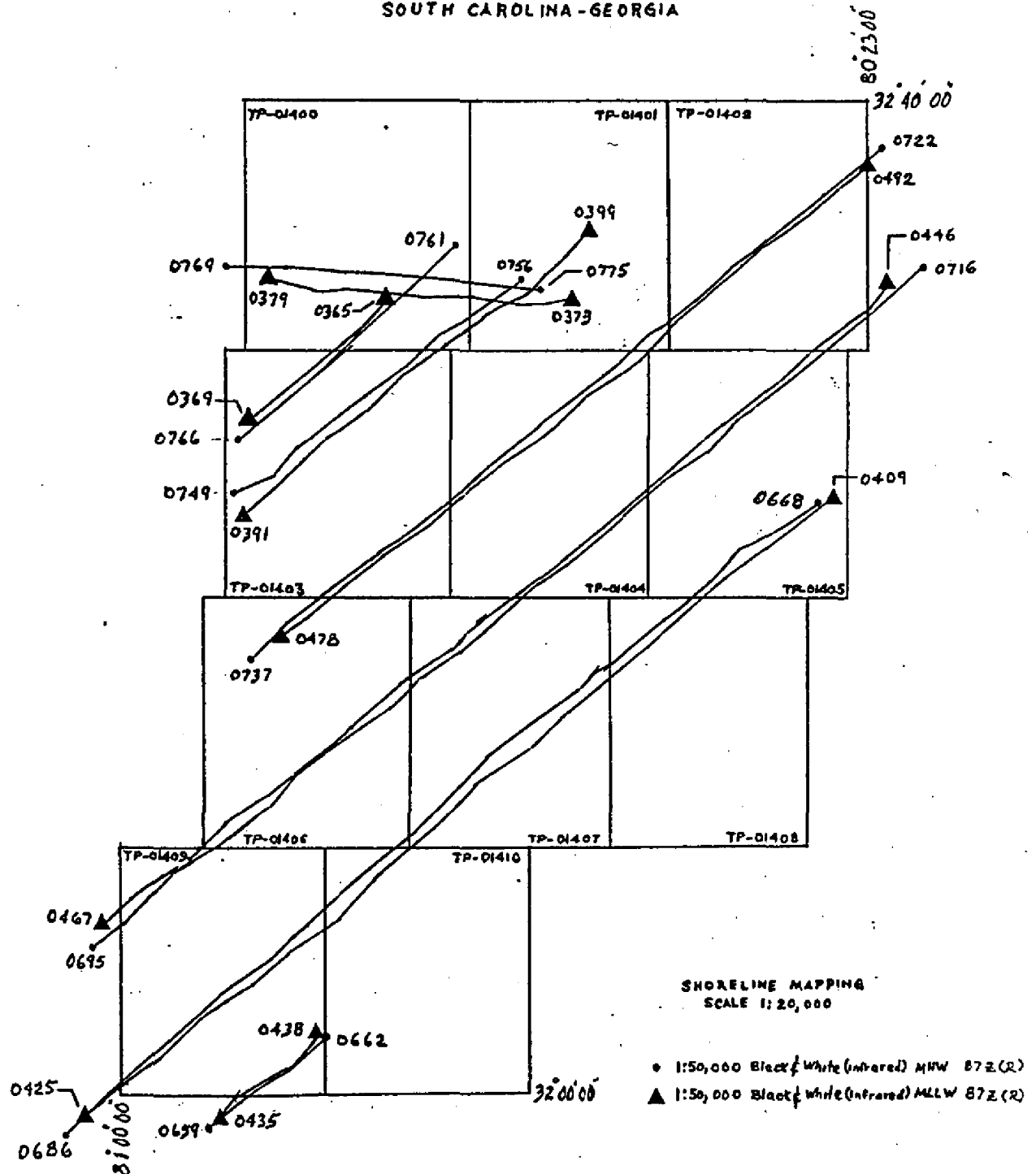
MLLW 1:50,000 Black and White Infrared

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-01402

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 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. The northwest corner of this map, between $32^{\circ} 35.5'$ and $32^{\circ} 40.0'$ latitude and $80^{\circ} 26.0'$ and $80^{\circ} 33.0'$ longitude, was delineated to the limit of available photographic coverage.

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.

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, fifteen charted aids to navigation and no landmarks 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:

Green Pond, South Carolina; 4849 II, V746, edition 6; scale 1:50,000
Bennetts Point, South Carolina; dated 1960; 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
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

TP-01402


ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

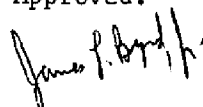
ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:


Robert R. Kravitz
Cartographic Technician
July 20, 1988

Approved:



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

GEOGRAPHIC NAMES

FINAL NAME SHEET

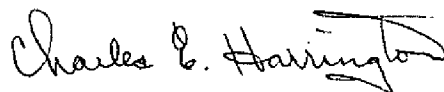
CM-8506 (St. Helena Sound to Savannah River, SC-GA)

TP-01402

Alligator Creek
Ashe Island
Ashepoo-Coosaw Cutoff
Ashepoo River
Bank Creek
Bear Island
Beet Island
Bennetts Point
Bennetts Point (locale)
Big Island
Bluff Islands
Boulder Island
Combahee River
Coosaw River
Crooked Creek
Dawho River
Fenwick Cutoff
Fenwick Island
Fish Creek
Fishing Creek
Hole in the Wall
Hutchinson Island

Jefford Creek
Jehossee Island
Long Ashepoo Creek
Mosquito Creek
Musselboro Creek
Musselboro Island
New Chehaw River
Old Chehaw Creek
Pine Landing
Raccoon Island
Rock Creek
Saint Helena Sound
Sampson Island
Sampson Island Creek
Sawyers Island
Seabrook
Settlement Islands
South Edisto River
Two Sisters Creek
Warren Island
Watts Cut
White House Woods

Approved:



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

REVIEW REPORT
SHORELINE

TP-01402

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:

BENNETTS POINT, SOUTH CAROLINA, dated 1960, scale
1:24,000

GREEN POND, SOUTH CAROLINA, 4849 II , V746, Edition 6,
scale 1:50,000

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

11517, 12th edition, dated August 24, 1985, 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:

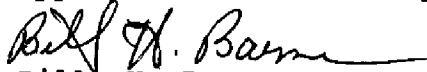


Lowell O. Neterer, Jr.

Final Reviewer

April 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

GEODETIC DATUM: N.A. 1983

CHARTS AFFECTED: 11480, 11513, 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				
<u>ASHEPOO-COOSAW CUTOFF</u>					
LIGHT 173	200	32 31 01.53	80 28 00.42	7	2-10-87
LIGHT 177	200	32 31 26.46	80 28 55.91	7	2-10-87
LIGHT 184	200	32 30 41.07	80 30 08.77	7	2-10-87
<u>ASHEPOO RIVER</u>					
LIGHT 164	200	32 32 04.32	80 24 48.17	7	2-10-87
LIGHT 165	200	32 32 05.49	80 25 28.09	7	2-10-87
LIGHT 166	200	32 32 01.33	80 26 33.84	7	2-10-87
WATTS CUTT LIGHT 143	200	32 36 56.52	80 23 05.64	7	2-10-87
FENWICK CUT LIGHT 162	200	32 32 15.65	80 24 40.55	7	2-10-87
<u>SOUTH EDISTO RIVER</u>					
RANGE C FRONT LIGHT 208	208	32 33 06.40	80 25 19.55	7	2-10-87
RANGE C REAR LIGHT 209	209	32 33 03.21	80 25 27.60	7	2-10-87
RANGE A FRONT LIGHT 208	208	32 35 15.91	80 23 58.71	7	2-10-87
RANGE A REAR LIGHT 209	209	32 35 12.99	80 24 00.46	7	2-10-87

Listing approved by:

Lowell C. Hester
FINAL REVIEWER

May 1989
DATE

CARTOGRAPHIC FEATURES OF CHARTING INTEREST

Page 2 of 2

PROJECT: CM-8506

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

GEODETIC DATUM: N.A. 1983

CHARTS AFFECTED: 11480, 11513, 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).

[illegible]

Listing approved by: Powell A. Hirsch May 1989
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]