

TP-01236

TP-01236

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-01236

Edition No.

1

Job No.

CM-8303

Map Classification

III (FINAL)

Type of Survey

SHORELINE MANUSCRIPT

LOCALITY

State

SOUTH CAROLINA

General Locality

LITTLE RIVER INLET TO BULLS BAY

Locality

MURRELLS INLET

19 84 TO 19

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, Norfolk, VA		SURVEY TP. <u>01236-</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III Final</u> JOB <u>XXX CM-8303</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 PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__			
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Aerotriangulation - None Compilation - November 8, 1988		Control - November 22, 1988	
II. DATUMS			
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify) _____	
2. VERTICAL: <input 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 Conic Projection		4. GRID(S) STATE South Carolina ZONE South	
5. SCALE 1:20,000		STATE _____ ZONE _____	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY		B. Thornton Oct 1987	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Kongsberg Plotter CHECKED BY		B. Thornton Oct 1987	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY		D. Miller Dec 1988	
INSTRUMENT: Wild B-8 CONTOURS BY SCALE: 1:20,000 CHECKED BY		F. Mauldin Dec 1988	
4. MANUSCRIPT DELINEATION PLANIMETRY BY METHOD: smooth drafted CHECKED BY		D. Miller Jan 1989	
SCALE: 1:20,000 HYDRO SUPPORT DATA BY CHECKED BY		C. Blood Jan 1989	
5. OFFICE INSPECTION PRIOR TO FIELD final review BY		NA	
6. APPLICATION OF FIELD EDIT DATA BY		NA	
7. COMPILATION SECTION REVIEW Class III BY		NA	
8. FINAL REVIEW Class III BY		C. Blood Jan 1989	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		L.O. Neterer, Jr. Aug 1989	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		L.O. Neterer, Jr.	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		P. Damprey J. P. Neterer	

TP -01236

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) RC10(Z) Z=153.15		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (R) IR INFRARED		ZONE Eastern	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 75°	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
*84Z(P)1442-1447	2-24-84	10:48	1:40,000	2.1 above MLLW	
*84Z(P)1387-1393	2-24-84	10:10	1:40,000	1.5 above MLLW	
*84Z(P)0906-0908	2-15-84	10:39	1:40,000	0.5 above MLLW	
**84B(R)9041-9042	3-21-84	11:18	1:40,000	0.17 below MHW	
**84B(R)9056,58,60,63	3-21-84	11:49	1:40,000	0.56 below MHW	
**84B(R)1654,56,58	3-02-84	10:40	1:40,000	0.12 below MHW	
**84Z(R)1290-1292	2-18-84	13:49	1:40,000	0.31 below MLLW	
Mean Tide Range - 5.1 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 Springmaid Pier, Myrtle Beach, South Carolina.

2. SOURCE OF MEAN HIGH-WATER LINE:

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

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

The Mean Lower Low Water line was compiled graphically from the above listed black and white infrared ratio photographs.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

5. FINAL JUNCTIONS

NORTH No. survey	EAST TP-01235 & TP-01238	SOUTH TP-01240	WEST No survey
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REMARKS

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	P. Walbolt	April 1984
2. HORIZONTAL CONTROL	RECOVERED BY P. Walbolt	April 1984
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY P. Walbolt	April 1984
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 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

None

PHOTO NUMBER

STATION NAME

PHOTO NUMBER

STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER

OBJECT NAME

PHOTO NUMBER

OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☐ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☐ NONE

7. SUPPLEMENTAL MAPS AND PLANS

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

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	Jan 1989	Class III Manuscript		
Final Review	Aug 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	Cartographic Features of Charting Interest.

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

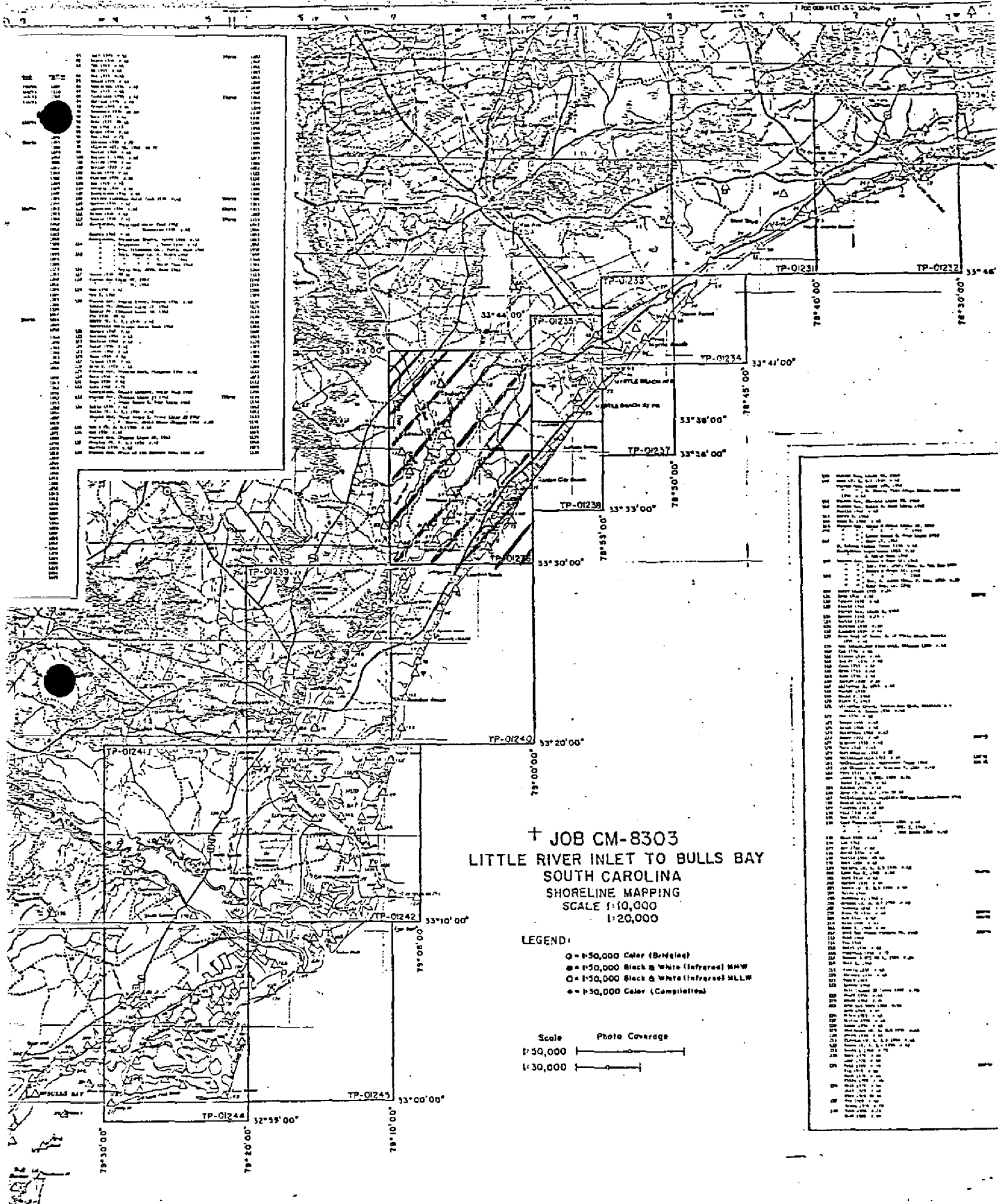
III. FEDERAL RECORDS CENTER DATA

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)

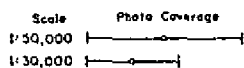
SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	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-8303
 LITTLE RIVER INLET TO BULLS BAY
 SOUTH CAROLINA
 SHORELINE MAPPING
 SCALE 1:10,000
 1:20,000

LEGEND:

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



NO.	DATE	DESCRIPTION	BY	CHKD.
1	10/1/78	1:50,000 Color (Bridges)	J. M. Smith	J. M. Smith
2	10/1/78	1:50,000 Black & White (Infrared) MHW	J. M. Smith	J. M. Smith
3	10/1/78	1:50,000 Black & White (Infrared) MLLW	J. M. Smith	J. M. Smith
4	10/1/78	1:30,000 Color (Completed)	J. M. Smith	J. M. Smith
5	10/1/78	1:50,000 Color (Bridges)	J. M. Smith	J. M. Smith
6	10/1/78	1:50,000 Black & White (Infrared) MHW	J. M. Smith	J. M. Smith
7	10/1/78	1:50,000 Black & White (Infrared) MLLW	J. M. Smith	J. M. Smith
8	10/1/78	1:30,000 Color (Completed)	J. M. Smith	J. M. Smith
9	10/1/78	1:50,000 Color (Bridges)	J. M. Smith	J. M. Smith
10	10/1/78	1:50,000 Black & White (Infrared) MHW	J. M. Smith	J. M. Smith
11	10/1/78	1:50,000 Black & White (Infrared) MLLW	J. M. Smith	J. M. Smith
12	10/1/78	1:30,000 Color (Completed)	J. M. Smith	J. M. Smith
13	10/1/78	1:50,000 Color (Bridges)	J. M. Smith	J. M. Smith
14	10/1/78	1:50,000 Black & White (Infrared) MHW	J. M. Smith	J. M. Smith
15	10/1/78	1:50,000 Black & White (Infrared) MLLW	J. M. Smith	J. M. Smith
16	10/1/78	1:30,000 Color (Completed)	J. M. Smith	J. M. Smith
17	10/1/78	1:50,000 Color (Bridges)	J. M. Smith	J. M. Smith
18	10/1/78	1:50,000 Black & White (Infrared) MHW	J. M. Smith	J. M. Smith
19	10/1/78	1:50,000 Black & White (Infrared) MLLW	J. M. Smith	J. M. Smith
20	10/1/78	1:30,000 Color (Completed)	J. M. Smith	J. M. Smith

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01236

This 1:20,000 scale map is one of fifteen maps in project CM-8303, which extends from Little River Inlet to Bulls Bay, South Carolina. The project extends from latitude 32° 59' 00" north to latitude 33° 56' 00" and longitude 78° 30' 00" west to longitude 79° 40' 00".

Field work prior to compilation was accomplished during January and February 1984. It consisted of premarking horizontal control stations to satisfy aerotriangulation requirements.

Photographic coverage was provided in February 1984 using panchromatic film with the "Z" camera (focal length 153.15 millimeters). Black and white infrared photography was acquired in February and March 1984 using the "Z" camera and "B" camera (focal length 152.74 millimeters).

Analytic aerotriangulation was performed at the Washington Science Center in October 1987.

Compilation was performed at the Atlantic Marine Center in January 1989 by office interpretation of the panchromatic and the black and white infrared mean high water and mean lower low water photography.

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

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 final registration.

AEROTRIANGULATION REPORT
CM-8303
LITTLE RIVER INLET TO BULLS BAY, SOUTH CAROLINA

OCTOBER 1987

21. AREA COVERED

This shoreline mapping project covers the area from Little River Inlet down to Bulls Bay, South Carolina. There are ten sheets at 1:20,000 scale and five sheets at 1:10,000 scale. The sheets are numbered consecutively TP-01231 to TP-01245.

22. METHOD

This project, which consists of five strips of 1:40,000-scale panchromatic photographs: 84Z(P) 889 to 908, 84Z(P) 1421 to 1451, 84Z(P) 1387 to 1405, 84Z(P) 1051 to 1067, 84Z(P) 1192 to 1201, was bridged by analytical aerotriangulation methods and adjusted to ground as a block with the General Intergrated Analytical Triangulation Program (GIANT), using premarked paneled control. Office identified intersection stations were used as checks.

Two strips of 1:30,000-scale photographs: 84Z(P) 1216 to 1224, 84Z(P) 1229 to 1240, were pugged with compilation points for use in compiling the 1:10,000-scale sheets in the project.

Tie points were used to ensure adequate junctions of all strips and were used as supplemental control.

Ratio values were determined for the bridging photographs and the tide-coordinated black-and-white infrared photographs. A copy of the ratio values is included in this report.

Base manuscripts were plotted on the Kongsberg plotter in the South Carolina State Plane Coordinate System (South Zone). This is based on the Lambert conformal conic projection. The datum is NAD 27. Two each of the fifteen base manuscripts have been ruled as per Aerotriangulation Instructions.

23. ADEQUACY OF CONTROL

The control for this project is adequate. A listing of closures to control is attached. The project meets NOS requirements for horizontal accuracy.

24. SUPPLEMENTAL DATA

USGS topographic quadrangles were used to obtain vertical control for bridging.

25. PHOTOGRAPHY

The coverage, overlap, and quality of the photographs were adequate for the job.

Submitted by,

Brian Thornton

Brian Thornton

Approved and Forwarded:

Don O. Norman

Don O. Norman
Chief, Aerotriangulation Unit

FIT TO CONTROL
ALL POINTS HELD IN ADJUSTMENT

<u>Station Name</u>	<u>Point No.</u>	<u>Values in Feet</u>	
		<u>X</u>	<u>Y</u>
Sauce Rm4,1934 Sub Pt.A	889101	+0.1	-0.4
Fire,1934 Sub Pt.A	897101	+0.1	0
Myrtle Beach Radio Sta.WYMB Mast,1962	903100	-0.2	+0.7
Enterprise, 1934 Sub Pt.A	908101	+0.2	-0.8
Planter,1932 Sub Pt.A	OFF PHOTOGRAPHY		
H3-SC-79 Sub Pt.	440101	-0.6	+0.3
Inlet,1934 Sub Pt.A	63101	+0.5	-0.2
Wood,(USE) 1934 Sub Pt.A	434101	+0.2	+0.1
Wedge, 1934 Sub Pt. A	430101	+0.5	-0.2
McClellan Rm.5, 1965 Sub Pt.A	427101	-0.3	+0.4
Mitchell 2, 1976 Sub Pt.A	421101	-0.1	+0.2
Little River, 1932 Sub Pt.A	895101	-0.1	+0.1
Reive, 1934 Sub Pt.A	391101	0	+0.1
Campfield 2,1965 Sub Pt.A	394101	0	-0.1
Georgetown, 1932 Rm.1 Sub Pt.A	398101	-0.2	+0.2
Dyke, 1934 Sub Pt.A	192101	+0.3	-0.3
Crow, 1933 Sub Pt.A	196101	-0.8	+0.3
Devil, 1934	201100	+0.4	-0.4
Little River, 1932 Sub Pt.B	895102	-0.2	+0.4

RATIO VALUES

1:40,000-scale bridging photographs:

84Z(P) 889 to 908	Ratio 2.047
1387 to 1405	Ratio 2.027
1421 to 1451	Ratio 2.019
1051 to 1067	Ratio 2.048
1192 to 1201	Ratio 2.049

1:40,000-scale non bridging photographs:

84Z(P) 1175 to 1185	Ratio 2.046
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1:30,000-scale MHW infrared photographs:

84B(R) 9166 to 9183	Ratio 3.000
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1:40,000-scale MHW infrared photographs:

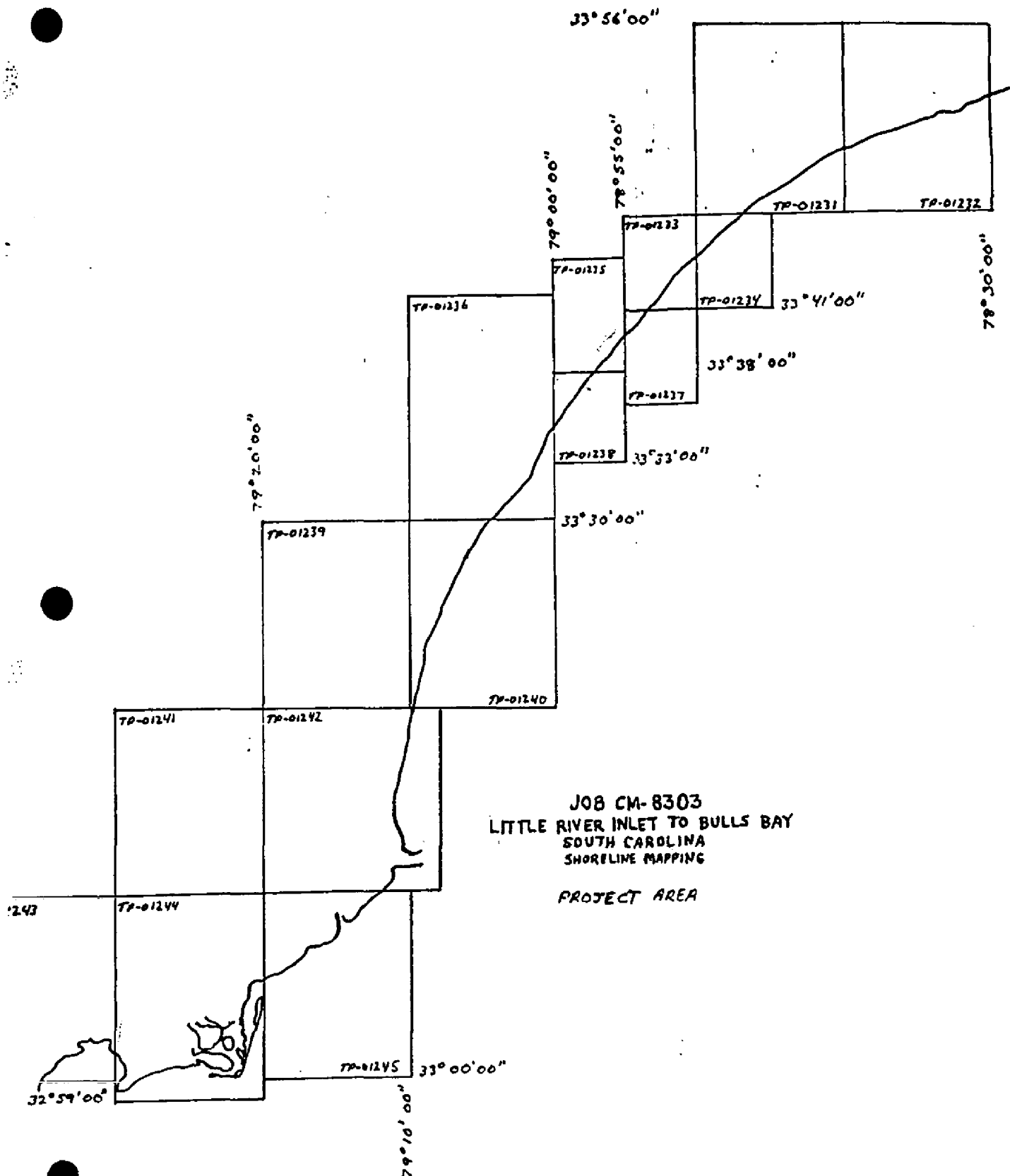
84B(R) 9145 to 9164	Ratio 1.976
84B(R) 9145 to 9155 (1:10,000)	Ratio 3.952
84B(R) 9048 to 9084	Ratio 1.990
84Z(R) 1651 to 1666	Ratio 2.024
84Z(R) 1668 to 1674	Ratio 2.022
84B(R) 9096 to 9106	Ratio 1.972
84B(R) 9199 to 9210	Ratio 2.005
84B(R) 9185 to 9197	Ratio 2.004
FRAME 84B(R) 9195	Ratio 2.580

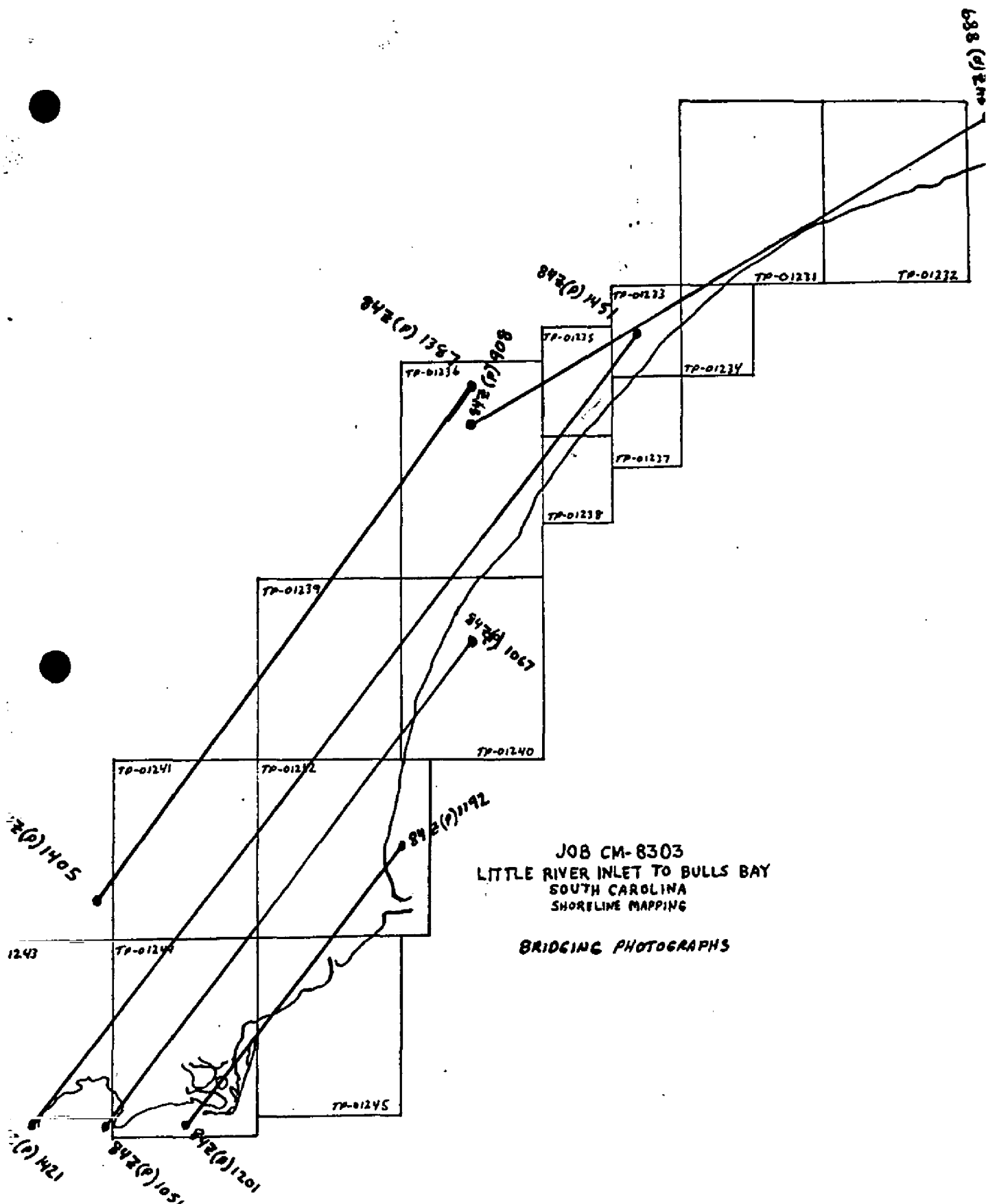
1:30,000-scale MLLW infrared photographs:

84Z(R) 1587 to 1603	Ratio 2.966
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1:40,000-scale MLLW infrared photographs:

84Z(R) 1262 to 1282	Ratio 2.031
1262 to 1273 (1:10,000)	4.062
84Z(R) 1284 to 1302	Ratio 2.038
84B(R) 9086 to 9094	Ratio 2.049
84Z(R) 1638 to 1649	Ratio 2.009
84Z(R) 1304 to 1322	Ratio 2.040
84Z(R) 1605 to 1617	Ratio 2.010
84Z(R) 1324 to 1341	Ratio 2.042

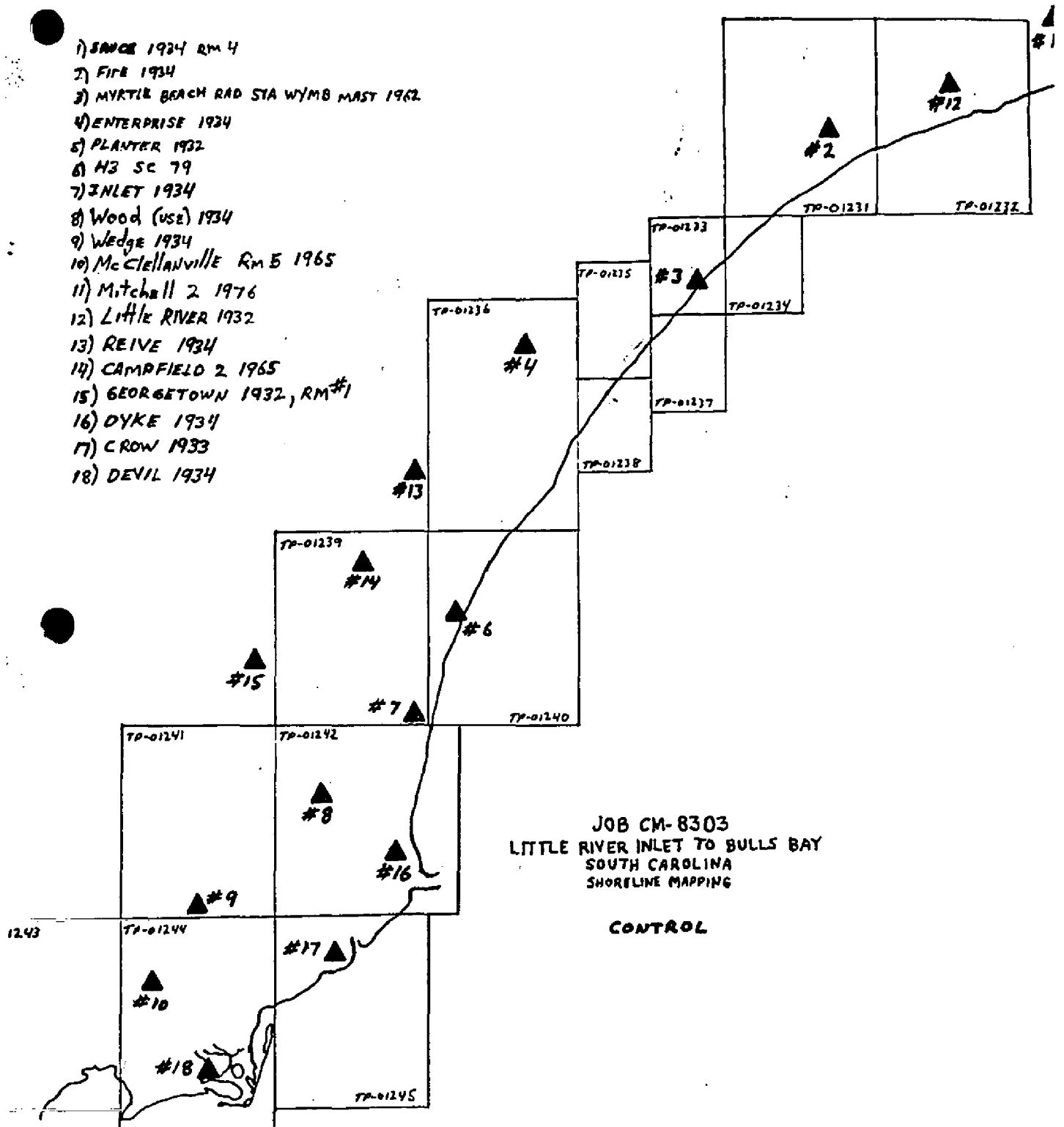


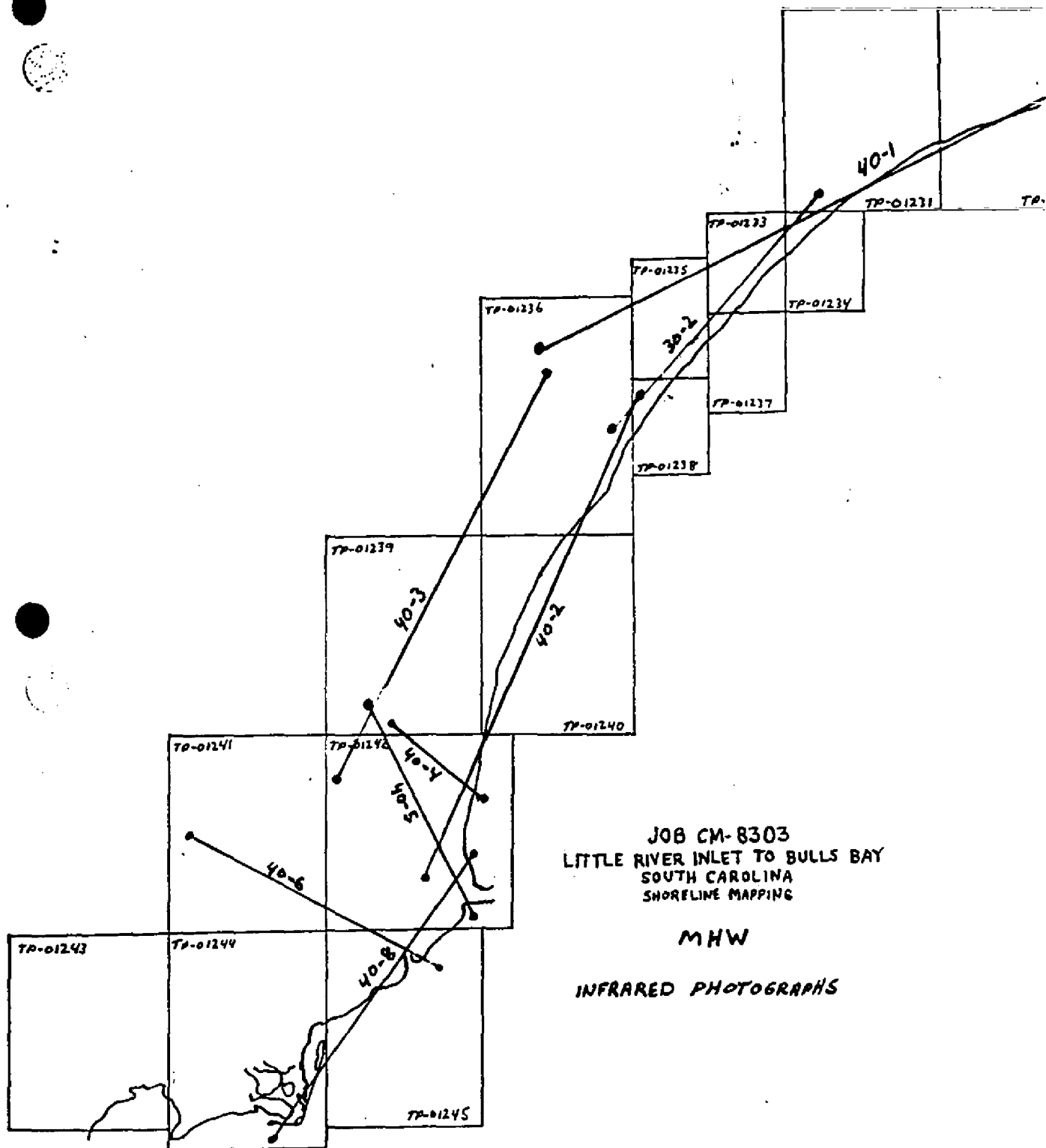


JOB CM-8303
LITTLE RIVER INLET TO BULLS BAY
SOUTH CAROLINA
SHORELINE MAPPING

BRIDGING PHOTOGRAPHS

- 1) SARGE 1934 RM 4
- 2) FIRE 1934
- 3) MYRTLE BEACH RAD STA WYMB MAST 1962
- 4) ENTERPRISE 1934
- 5) PLANTER 1932
- 6) H3 SC 79
- 7) INLET 1934
- 8) Wood (use) 1934
- 9) Wedge 1934
- 10) McClellanville RM 5 1965
- 11) Mitchell 2 1976
- 12) Little River 1932
- 13) REIVE 1934
- 14) CAMPFIELD 2 1965
- 15) GEORGETOWN 1932, RM#1
- 16) DYKE 1934
- 17) CROW 1933
- 18) DEVIL 1934

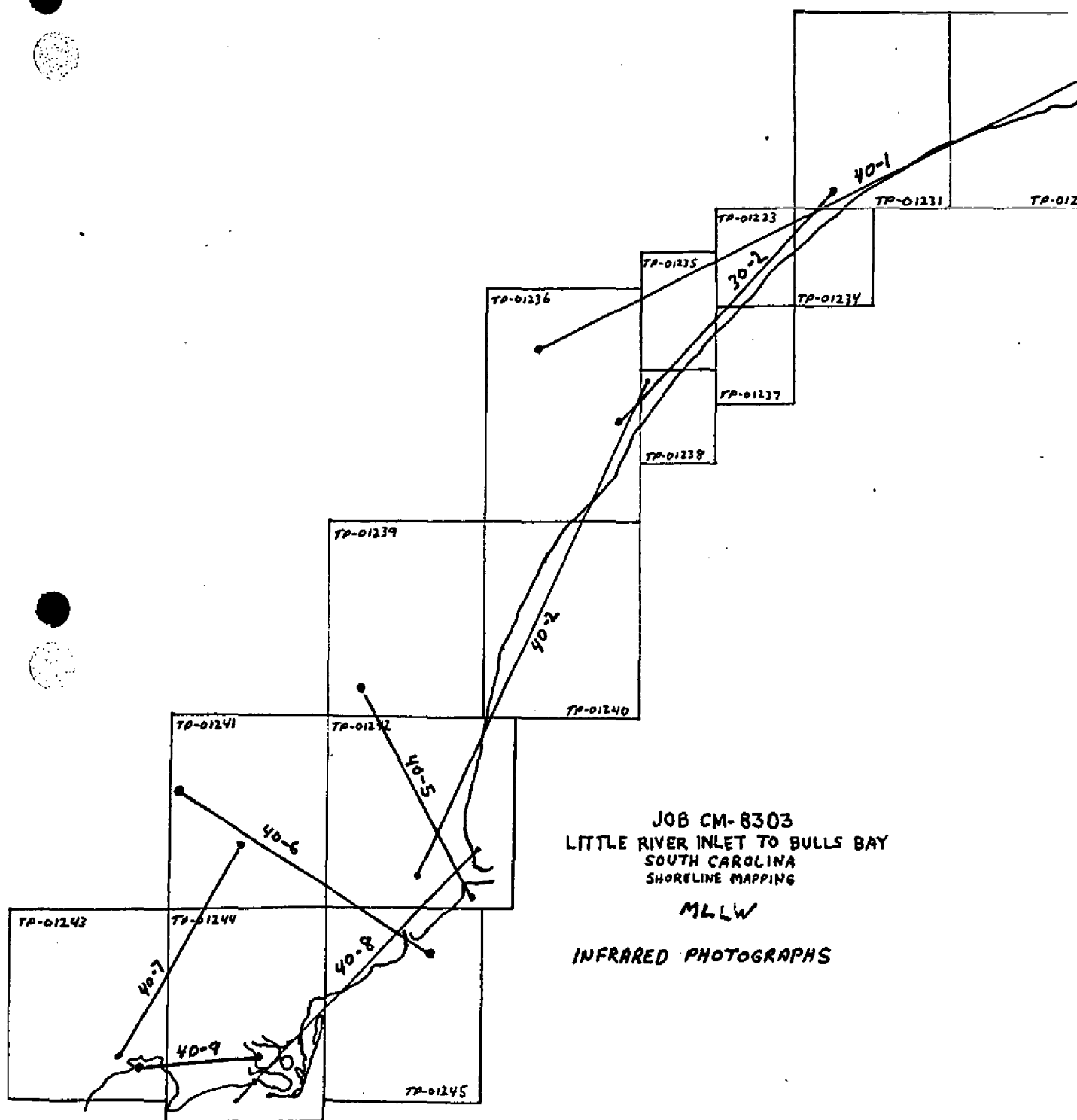




JOB CM-8303
LITTLE RIVER INLET TO BULLS BAY
SOUTH CAROLINA
SHORELINE MAPPING

MHW

INFRARED PHOTOGRAPHS



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-01236	JOB NO. CM-8303	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETIC DATUM 1927 North American		ORIGINATING ACTIVITY Coastal Mapping Unit, Norfolk, VA	
					COORDINATES IN FEET STATE ZONE	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE	REMARKS	
ENTERPRISE 1934	Quad 330791 STA 1014	✓	✓	908100	✓	$x=$	ϕ 33° 40' 03.091" ✓	
						$y=$	λ 79° 03' 37.506" ✓	
						$x=$	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 D. Miller						COMPUTATION CHECKED BY L. O. Neterer, Jr.		DATE 8/89
						LISTING CHECKED BY		
						HAND PLOTTING CHECKED BY		
						DATE		

COMPILATION REPORT

TP-01236

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 1:40,000 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. The mean lower low water line was compiled to the limit of available photography. Control for all graphic delineation was provided by instrument compilation of coastal detail and common image points.

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 October 1987.

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 1:40,000 scale bridging/compilation color photographs and the tide coordinated mean high water infrared contact photographs.

There were no mean high water infrared ratio photographs available for this map.

36. OFFSHORE DETAILS:

Offshore detail was compiled by instrument methods using the 1:40,000 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, no charted landmarks and twenty 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:

Plantersville, South Carolina; dated 1943, photorevised 1973, scale 1:24,000

Brookgreen, South Carolina; dated 1943, photorevised 1973, scale 1:24,000

Bucksville, South Carolina; dated 1943, photorevised 1973, scale 1:24,000

47. COMPARISON WITH NAUTICAL CHARTS:

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

11009; 31st edition; dated August 9, 1986; scale 1:1,200,000

11520; 29th edition; dated February 8, 1986; scale 1:432,720

11534; 23rd edition; dated January 9, 1988; scale 1:40,000

11535; 10th edition; dated April 9, 1988; scale 1:80,000

TP-01236

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

David R. Miller

David R. Miller
Cartographer
January 5, 1989

Approved:

J. Byrd, Jr.

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

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8303 (Little River Inlet to Bulls Bay, SC)

TP-01236

Allston Creek
Atlantic Ocean
Belin
Big Buckskin Creek
Black Creek
Brookgreen Creek
Brookgreen Gardens (park)
Brookgreen Island
Bucksport
Bull Creek
Bull Island
Bull Tongue Island
Bullins Creek
Clark Creek
Collins Creek
Cooter Creek
Cow House Creek
Crane Creek
Drunken Jack Island
Enterprise Creek
Fisherman Creek
Flagg Island
Goat Island
Great Pee Dee River
Guandalose Creek
Horseshoe Lake
Intracoastal Waterway
Laurel Hill Island
Little Bull Creek
Long Bay
Longwood Island
Longwood Landing
Lower Topsaw Landing
Magnolia Beach
Main Creek

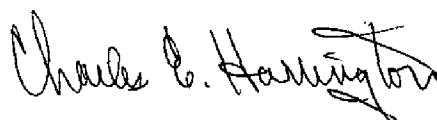
Mount Rena
Mulberry Landing
Murrells Inlet (locale)
Murrells Inlet
Nimrod Creek
Oaks Creek
Oaks Island
Oatbed Creek
Oatbed Island
Old Dock Creek
Old River
Parsonage Creek
Pawleys Creek
Peach Creek
Peachtree Lake
Peachtree Landing
Point, The
Prince Creek
Richmond Island
Righthand Creek
Ruinsville
Ruinsville Creek
Sandhole Creek
Sandy Island
Seven Prongs
Silver Creek
Silver Island
Silvers Creek
Socastee
Socastee Creek
Springfield Island
Still Creek
Thoroughfare Creek
Vaux Creek
Vaux Island

MAY 2 - 1989

2

Waccamaw River
Wachesaw Landing
Weston Flat
White Creek
Woodland Creek

Approved:

A handwritten signature in cursive script, reading "Charles E. Harrington". The signature is written in dark ink and is positioned above the printed name and title.

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

REVIEW REPORT
SHORELINE

TP-01236

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:

BROOKGREEN, SOUTH CAROLINA, dated 1943, photorevised
1973;

BUCKSVILLE, SOUTH CAROLINA, dated 1943, photorevised
1973;

PLANTERSVILLE, SOUTH CAROLINA, dated 1943, photorevised
1973.

All three 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 National Ocean Service charts:

11009, 31st edition, dated August 9, 1986, scale
1:1,200,000

11520, 30th edition, dated November 19, 1988, scale
1:432,720

11534, 23rd edition dated January 9, 1988, scale
1:40,000

11535, 10th edition, dated April 9, 1988, scale
1:80,000

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.
Lowell O. Neterer, Jr.
Final Reviewer
August 1989

Approved for Forwarding:

Billy H. Barnes
Billy H. Barnes
Chief, Quality Assurance Group

Approved:

N/A
~~Chief, Photogrammetric Sect.~~

Robert M. Rodney
for Chief, Photogrammetry Br.

CARTOGRAPHIC FEATURES OF CHARTING INTEREST

PROJECT: CM-8303

MAP NUMBER (Scale); Locality: TP-01236 (1:20,000) LITTLE RIVER INLET
TO BULLS BAY, SC

GEODETIC DATUM: NA 1927

CHARTS AFFECTED: 1009, 11520, 11534, 11535

The following charted landmarks and nonfloating aids to navigation have been measured and/or confirmed 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		
MURRELLS INLET					
RANGE FRONT LIGHT A ✓	208 ✓	33 31 50.125 ✓	79 02 06.189 ✓	4 ✓	2-24-84 ✓
RANGE REAR LIGHT A ✓	209 ✓	33 31 56.377 ✓	79 02 13.412 ✓	4 ✓	2-24-84 ✓
LIGHT 4A ✓	200 ✓	33 32 11.10 ✓	79 01 58.30 ✓	7 ✓	2-24-84 ✓
LIGHT 5 ✓	200 ✓	33 32 45.70 ✓	79 01 28.40 ✓	7	2-24-84
LITTLE RIVER WINYAH BAY					
LIGHT 24 ✓	200 ✓	33 40 53.962 ✓	79 03 07.031 ✓	4 ✓	2-15-84 ✓
LIGHT 27 ✓	200 ✓	33 39 58.872 ✓	79 03 46.677 ✓	4 ✓	2-24-84 ✓
LIGHT 29 ✓	200 ✓	33 39 48.80 ✓	79 39.17.00 ✓	7 ✓	2-24-84 ✓
LIGHT 32 ✓	200 ✓	33 39.26.888 ✓	79 05 03.277 ✓	4 ✓	2-24-84 ✓
LIGHT 33 ✓	200 ✓	33 39 21.683 ✓	79 05 25.863 ✓	4 ✓	2-24-84 ✓
LIGHT 36 ✓	200 ✓	33 39.08.029 ✓	79 05 41.067 ✓	4 ✓	2-24-84 ✓
LIGHT 38 ✓	200 ✓	33 38 50.261 ✓	79 05 35.771 ✓	4 ✓	2-24-84 ✓
LIGHT 39 ✓	200 ✓	33 38 14.919 ✓	79 05 37.588 ✓	4 ✓	2-24-84 ✓
LIGHT 40 ✓	200 ✓	33 37 32.237 ✓	79 05 53.910 ✓	4 ✓	2-24-84 ✓
LIGHT 41 ✓	200 ✓	33 37 04.427 ✓	79 05 46.324 ✓	4 ✓	2-24-84 ✓
LIGHT 44 ✓	200 ✓	33 36 24.241 ✓	79 05 25.351 ✓	4 ✓	2-24-84 ✓
LIGHT 47 ✓	200 ✓	33 36 09.063 ✓	79 05 28.771 ✓	4 ✓	2-24-84 ✓
LIGHT 48 ✓	200 ✓	33 36 02.317 ✓	79 05 44.303 ✓	4 ✓	2-24-84 ✓
LIGHT 53 ✓	200 ✓	33 34 44.849 ✓	79 06 06.003 ✓	4 ✓	2-24-84 ✓
LIGHT 54 ✓	200 ✓	33 34 08.60 ✓	79 06 1.10 ✓	7 ✓	2-24-84 ✓
LIGHT 57 ✓	200 ✓	33 33 47.866 ✓	79 05 14.828 ✓	4 ✓	2-24-84 ✓
LIGHT 65 ✓	200 ✓	33 32 07.80 ✓	79 06.13.30 ✓	7 ✓	2-24-84 ✓

Listing approved by: _____

FINAL REVIEWER

DATE

September 27, 1985
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]