

TP-01244

TP-01244

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-01244

Edition No.

1

Job No.

CM-8303

Map Classification

CLASS III FINAL

Type of Survey

SHORELINE

LOCALITY

State

SOUTH CAROLINA

General Locality

LITTLE RIVER INLET TO BULLS BAY

Locality

CAPE ROMAIN

19₈₄ 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		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;"> TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED </td> <td style="width:50%;"> SURVEY TP. <u>01244</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III Final</u> JOB <u>RH. CM-8303</u> </td> </tr> </table>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>01244</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III Final</u> JOB <u>RH. CM-8303</u>		
TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>01244</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III Final</u> JOB <u>RH. CM-8303</u>						
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit, Atlantic Marine Center Norfolk, VA OFFICER-IN-CHARGE C. Dale North, Jr., CDR, NOAA		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"> LAST PRECEDING MAP EDITION </td> </tr> <tr> <td style="width:50%;"> TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED </td> <td style="width:50%;"> JOB <u>PH.</u> MAP CLASS _____ SURVEY DATES: 19__ TO 19__ </td> </tr> </table>		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 _____ SURVEY DATES: 19__ TO 19__
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 _____ SURVEY DATES: 19__ TO 19__						
I. INSTRUCTIONS DATED							
1. OFFICE		2. FIELD					
Aerotriangulation - None Compilation - November 8, 1988		Control - November 22, 1983					
II. DATUMS							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 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 Conic Projection		4. GRID(S) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">STATE South Carolina</td> <td style="width:50%;">ZONE South</td> </tr> <tr> <td>STATE</td> <td>ZONE</td> </tr> </table>		STATE South Carolina	ZONE South	STATE	ZONE
STATE South Carolina	ZONE South						
STATE	ZONE						
5. SCALE 1:20,000		STATE _____ ZONE _____					
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS		NAME	DATE				
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 D. Norman	Oct 1987 Oct 1987				
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 SCALE: 1:20,000 CONTOURS BY CHECKED BY		R. Kravitz F. Mauldin NA NA	Jan 1989 Jan 1989 				
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY METHOD: _____ SCALE: _____ HYDRO SUPPORT DATA BY CHECKED BY		R. Kravitz C. Blood-J. Byrd NA NA R. Kravitz C. Blood-J. Byrd	Feb 1989 Mar 1989 Feb 1989 Mar 1989				
5. OFFICE INSPECTION PRIOR TO FIELD EDIT final review BY		C. Blood-J. Byrd	Mar 1989				
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY		NA NA	 				
7. COMPILATION SECTION REVIEW Class III BY		C. Blood-J. Byrd	Mar 1989				
8. FINAL REVIEW Class III BY		L.O. Neterer, Jr.	Oct 1989				
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. Tihen	Jan. 1990				

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC10(B) B=152.74mm Wild RC10(Z) Z=153.15mm		TYPES OF PHOTOGRAPHY LEGEND (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 CONTROLLED PHOTOGRAPHY				ZONE Eastern	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 75°	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
*84Z(P)1051-1058 ✓	02-15-84 ✓	14:44 ✓	1:40,000 ✓	1.3 feet above MLLW ✓	
**84Z(P)1198-1201 ✓	02-18-84 ✓	10:35 ✓	1:40,000 ✓	4.2 feet above MLLW ✓	
**84Z(R)1327-1331 ✓	02-18-84 ✓	14:26 ✓	1:40,000 ✓	0.7 feet below MLLW ✓	
**84Z(R)1613-1615 ✓	03-01-84 ✓	12:38 ✓	1:40,000 ✓	0.3 feet below MLLW ✓	
**84B(R)9193-9196 ✓	03-31-84 ✓	07:55 ✓	1:40,000 ✓	0.3 feet above MHW ✓	
**84Z(R)1317 ✓	02-18-84 ✓	14:10 ✓	1:40,000 ✓	0.6 feet 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 stations at Bucksport and Springmaid Pier, Myrtle Beach, SC

2. SOURCE OF MEAN HIGH-WATER LINE:

The Mean High Water Line was compiled from office interpretations of the above listed compilation/bridging photographs using stereo instrument methods. The black and white infrared MHW 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 MLLW 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-01241	TP-01245	None	TP-01243

REMARKS

TP-01244

HISTORY OF FIELD OPERATIONS

1. ☒ FIELD ~~DICTIONARY~~ OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	P. Walbolt	Apr 1984
2. HORIZONTAL CONTROL	RECOVERED BY J. Koster	Feb 1984
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY J. Koster	Feb 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 <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY NA	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

paneled

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
	DEVIL, 1934		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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

7. SUPPLEMENTAL MAPS AND PLANS

None

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

1 form 76-53, 1 form 75-63, 1 form 76-86, 1 form 76-19

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	Mar 1989	Class III Manuscript		
Final Review	Oct 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: _____

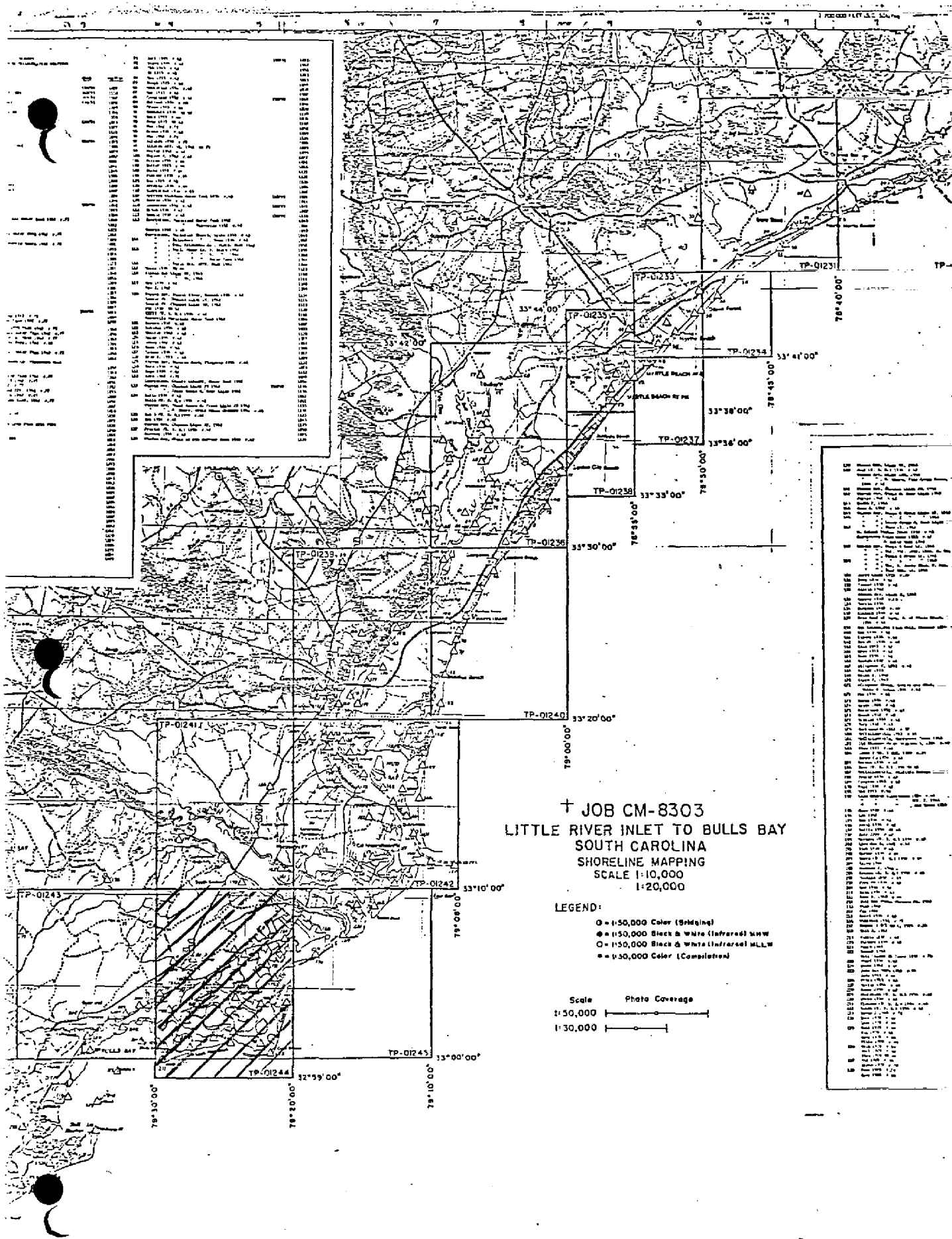
III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS ~~360~~ 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

Symbol	Description
○	1:50,000 Color (Gridding)
●	1:50,000 Black & White (Infrared MHW)
○	1:50,000 Black & White (Infrared MLLW)
●	1:50,000 Color (Completion)

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01244

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 $32^{\circ} 59' 00''$ north to latitude $33^{\circ} 56' 00''$ and longitude $78^{\circ} 30' 00''$ west to longitude $79^{\circ} 40' 00''$.

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 March 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 October 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:

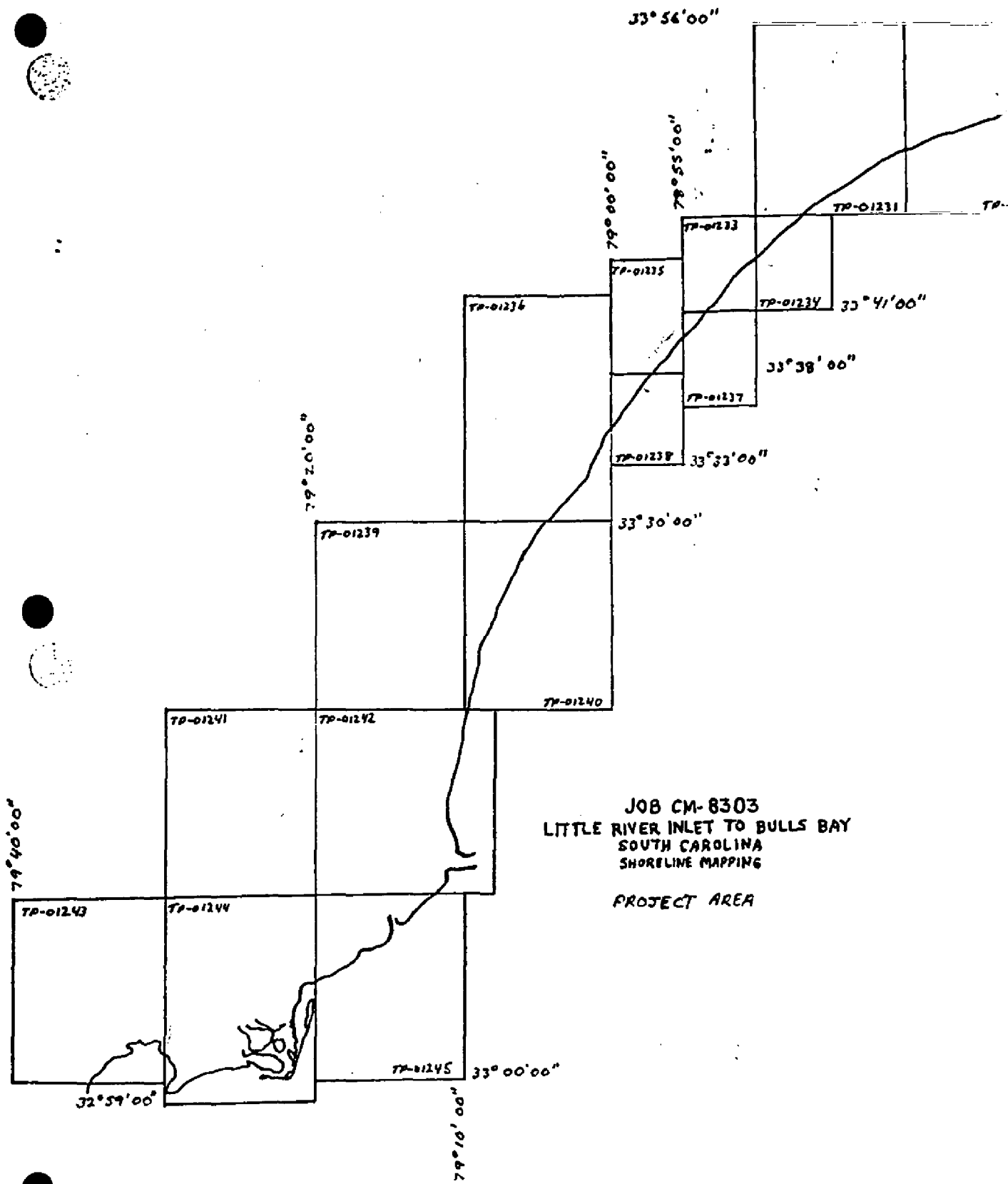
84B(R) 9145 to 9164	Ratio 1.976
84B(R) 9145 to 9155 (1:10,000)	Ratio 3.952
84B(R) 9048 to 9084	Ratio 1.990
84Z(R) 1651 to 1666	Ratio 2.024
84Z(R) 1668 to 1674	Ratio 2.022
84B(R) 9096 to 9106	Ratio 1.972
84B(R) 9199 to 9210	Ratio 2.005
84B(R) 9185 to 9197	Ratio 2.004
FRAME 84B(R) 9195	Ratio 2.580

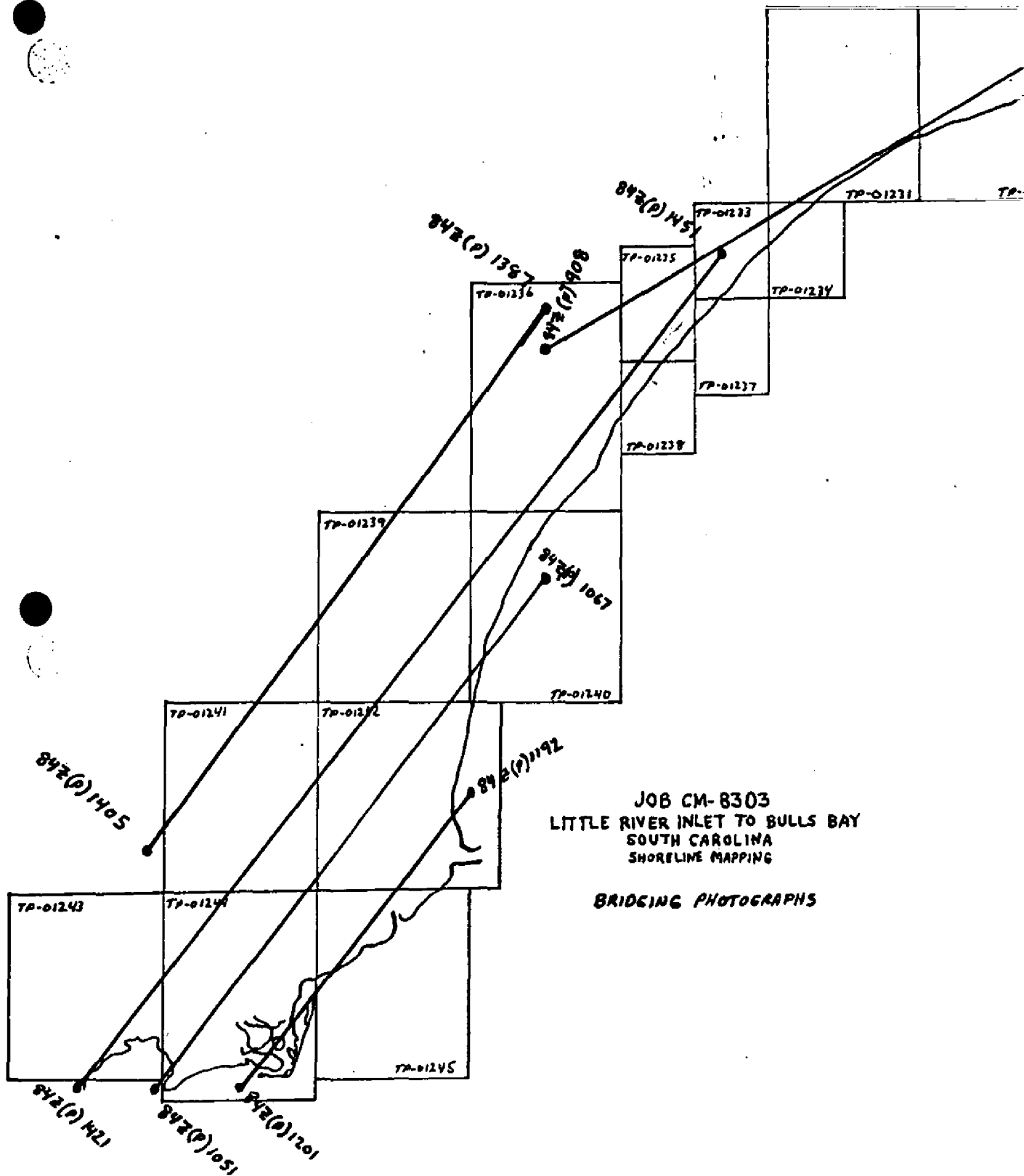
1:30,000-scale MLLW infrared photographs:

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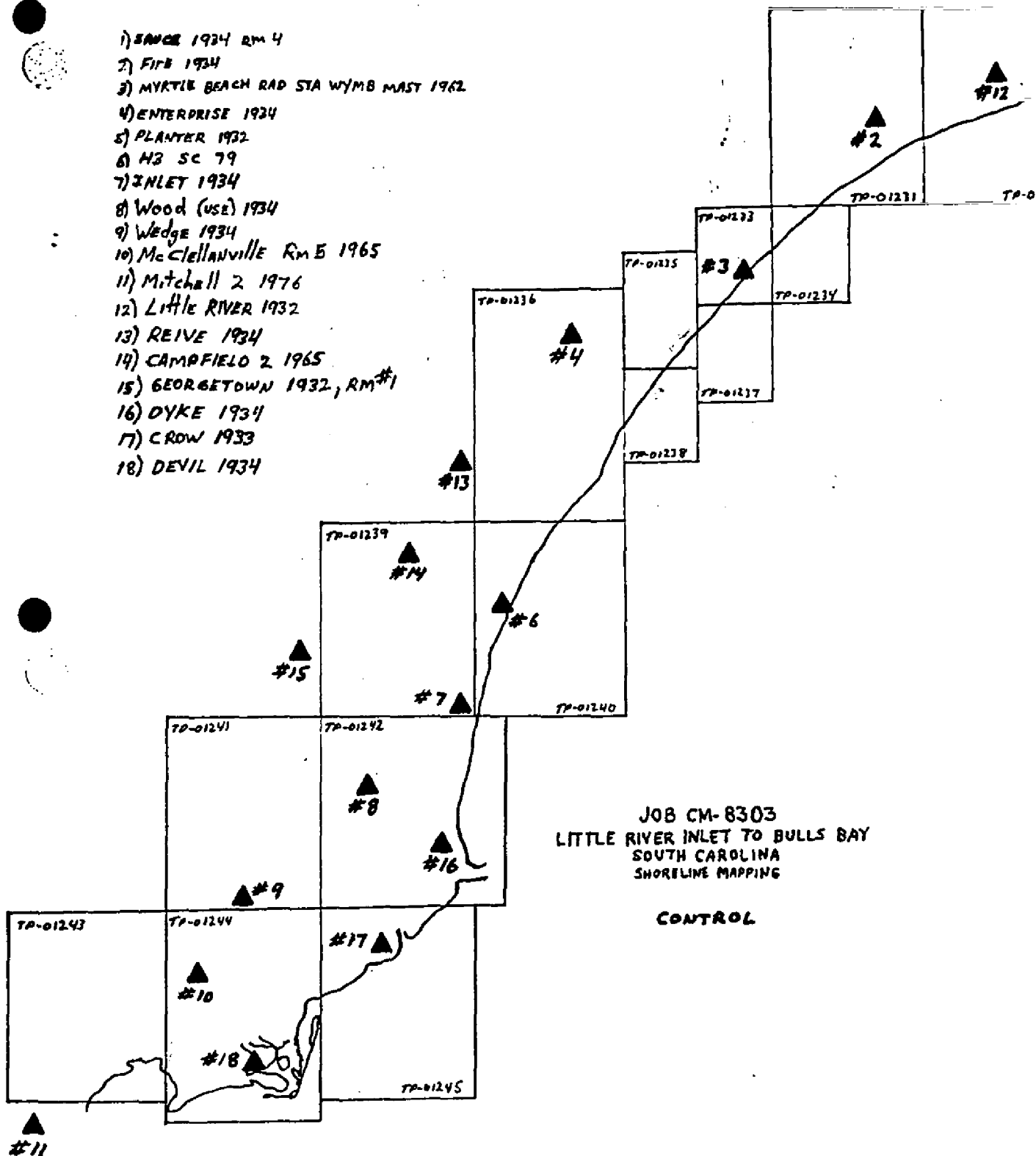
1:40,000-scale MLLW infrared photographs:

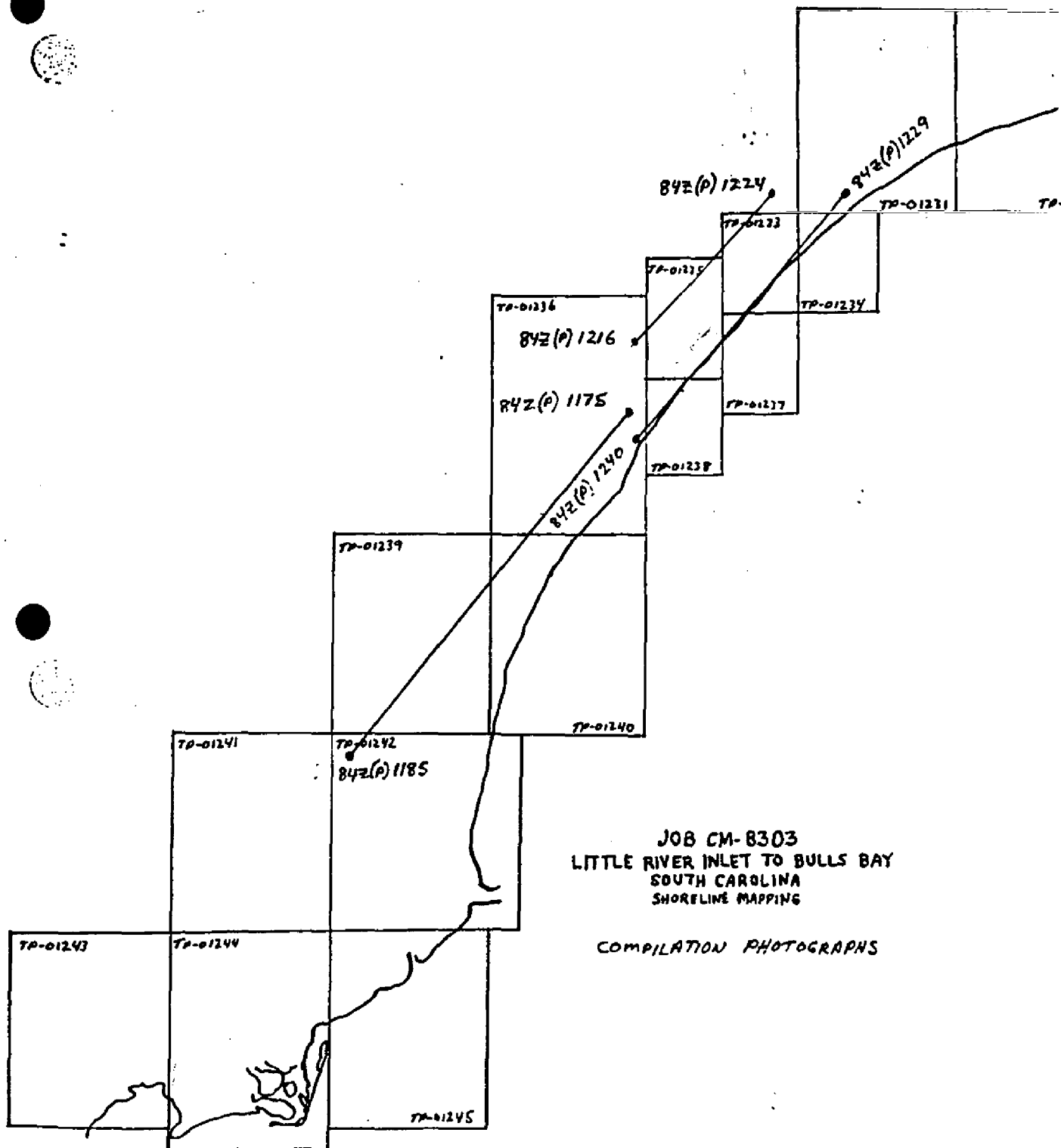
84Z(R) 1262 to 1282	Ratio 2.031
1262 to 1273 (1:10,000)	4.062
84Z(R) 1284 to 1302	Ratio 2.038
84B(R) 9086 to 9094	Ratio 2.049
84Z(R) 1638 to 1649	Ratio 2.009
84Z(R) 1304 to 1322	Ratio 2.040
84Z(R) 1605 to 1617	Ratio 2.010
84Z(R) 1324 to 1341	Ratio 2.042

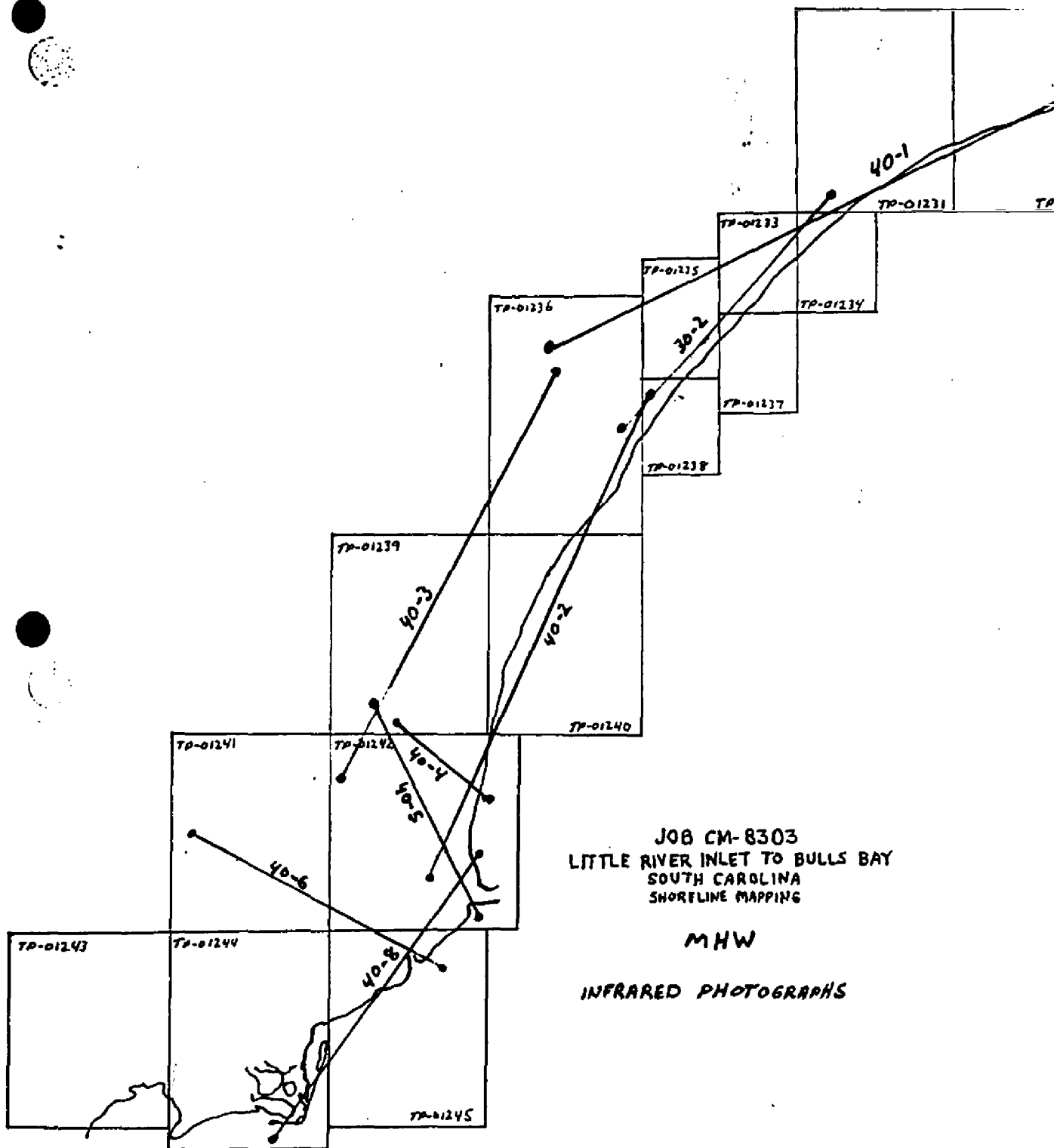


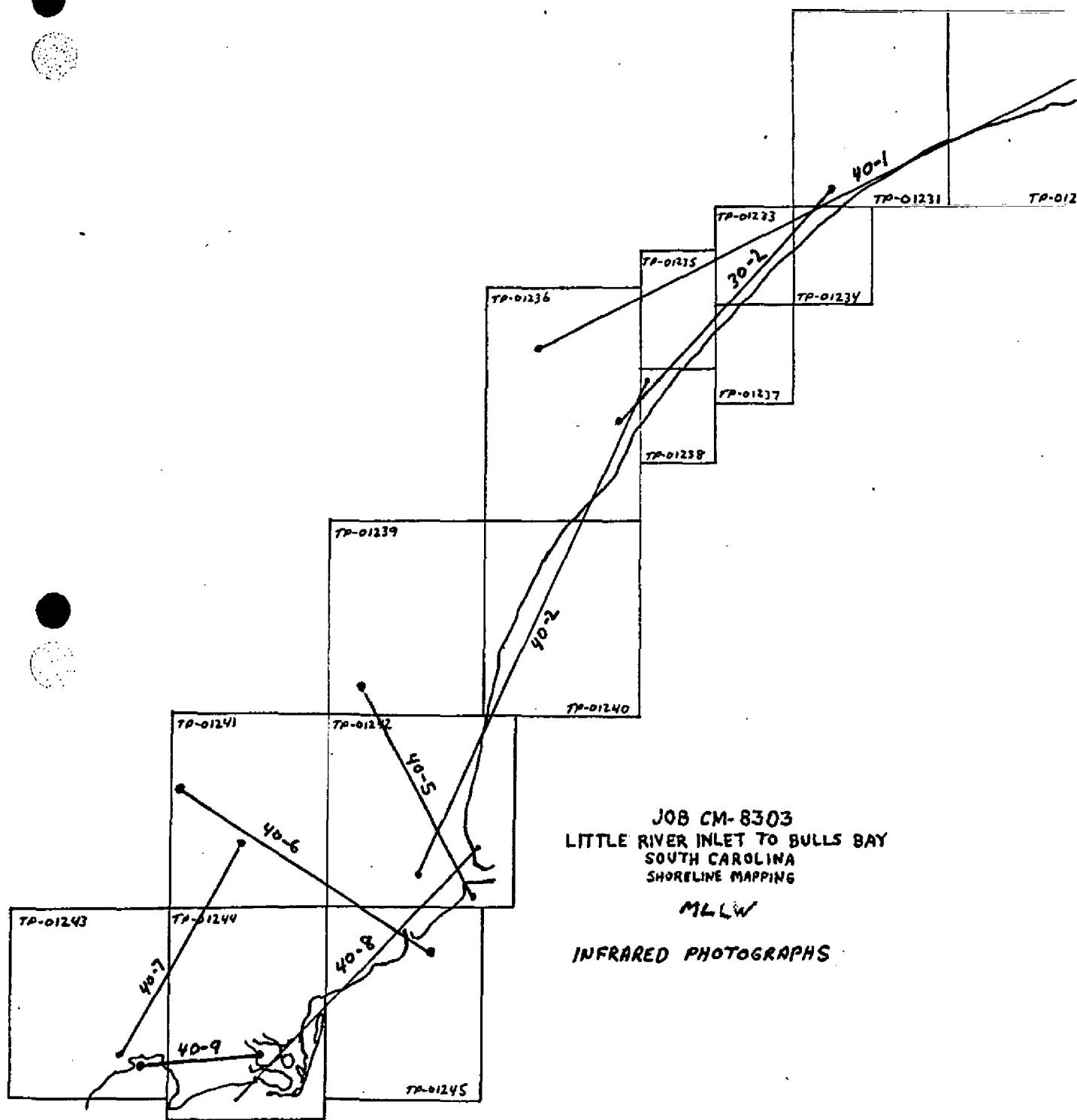


- 1) SARGE 1934 RM 4
- 2) FIRE 1934
- 3) MYRTLE BEACH RAD STA WYMB MAST 1962
- 4) ENTERPRISE 1934
- 5) PLANTER 1932
- 6) H3 SC 79
- 7) INLET 1934
- 8) Wood (USE) 1934
- 9) Wedge 1934
- 10) McClellanville RM 5 1965
- 11) Mitchell 2 1976
- 12) Little River 1932
- 13) REIVE 1934
- 14) CAMPFIELD 2 1965
- 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

MLLW

INFRARED PHOTOGRAPHS

DESCRIPTIVE REPORT CONTROL RECORD

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

MAP NO.	STATION NAME	JOB NO.	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETTIC DATUM		ORIGINATING ACTIVITY	
					NA 1927 COORDINATES IN FEET STATE South Carolina ZONE South	Geographic Position φ LATITUDE λ LONGITUDE	AMC Coastal Mapping Unit, Norfolk, VA	
TP-01244	CAPE ROMAIN LIGHTHOUSE 1924	CM 8303	Quad 330792 Sta 1022 ✓	192 ✓	X=	φ 33 01 07.544 ✓		
					Y=	λ 79 22 26.114 ✓		
	DEVIL, 1934		Quad 330792 Sta 1037 ✓	201100 ✓	X=	φ 33 01 38.068 ✓		
					Y=	λ 79 24 18.878 ✓		
	MCCLELLANVILLE WILDLIFE REFUGE LOOKOUT TOWER, 1963		Quad 330792 Sta 1091 ✓	817 ✓	X=	φ 33 03 35.581 ✓		
					Y=	λ 79 24 15.334 ✓		
	MCCLELLANVILLE RM5, 1965		Field Control Book	427100 ✓	X=	φ 33 05 43.068 ✓		
					Y=	λ 79 28 32.720 ✓		
					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					COMPUTATION CHECKED BY		DATE	
LISTED BY	R. R. Kravitz			DATE 2/7/89	LISTING CHECKED BY C. Blood		DATE 2/9/89	
HAND PLOTTING BY				DATE	HAND PLOTTING CHECKED BY		DATE	

COMPILATION REPORT

TP-01244

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. 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, four charted landmarks and eleven 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:

McClellanville, South Carolina; dated 1942, photorevised 1973,
scale 1:24,000

Cape Romain, South Carolina; dated 1942, photorevised 1973, scale
1:24,000

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

Santee, 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

11518; 23rd edition; dated June 27, 1987, scale 1:40,000

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

11531; 15th edition; dated July 21, 1984, scale 1:80,000

11532; 15th edition; dated October 10, 1987, scale 1:40,000

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

TP-01244

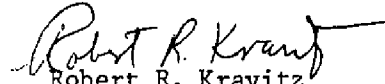
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

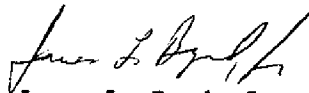
ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:


Robert R. Kravitz
Cartographic Technician
February 8, 1989

Approved:


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

GEOGRAPHIC NAMES

FINAL NAME SHEET

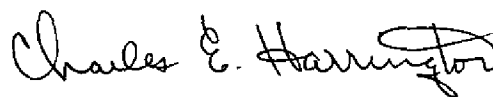
CM-8303 (Little River Inlet to Bulls Bay, SC)

TP-01244

Alligator Creek
Atlantic Ocean
Beach, The
Brown Island
Bull River
Bulls Bay
Cape Island
Cape Island Point
Cape Romain Harbor
Casino Creek
Clark Creek
Clubhouse Creek
Collins Creek
Congaree Boat Creek
Deepwater Creek
Deepwater Point
Devils Den Creek
DuPre Creek
Five Fathom Creek
Horsehead Island
Intracoastal Waterway
Jeremy Creek
Jeremy Island
Joe and Ben Creek
Key Bay
Key Creek
Key Inlet
Little Papas Creek
Little Sett Creek
Long Creek

Mathews Creek
Mathews Cut
McClellanville
Mill Creek
Mill Den Creek
Mill Island
Muddy Bay
Murphy Island
Needles Eye Creek
Nellie Creek
Ormand Hall Creek
Oyster Bay
Papas Creek
Pleasant Creek
Raccoon Creek
Raccoon Key
Ramhorn Creek
Romain, Cape
Romain River
Sandy Point
Sandy Point Beach
Santee Path Creek
Santee Swamp
Sett Creek
Skrine Creek
Slack Reach
South Creek
South Santee River
Town Creek

Approved:



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

REVIEW REPORT
SHORELINE

TP-01244

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:

CAPE ROMAIN, SOUTH CAROLINA, dated 1942, photorevised
1973

MCCLELLANVILLE, SOUTH CAROLINA, dated 1942,
photorevised 1973

MINIM ISLAND, SOUTH CAROLINA, dated 1943, photorevised
1973

SANTEE, SOUTH CAROLINA, dated 1943, photorevised 1973

All four are 1:24,000 scale.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

There are no contemporary hydrographic surveys within the limits of this map.

65. COMPARISON WITH NAUTICAL CHARTS:

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

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

11518, 24th edition, dated October 29, 1988, scale
1:40,000

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

11531, 15th edition, dated July 21, 1984, scale
1:80,000

11532, 15th edition, dated October 10, 1987, scale
1:40,000

11534, 23rd edition dated January 9, 1988, 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.
Lowell O. Neterer, Jr.
Final Reviewer
October 1989

Approved for Forwarding:

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

Approved:

n/a
~~Chief, Photogrammetric Sect.~~

Robert M. Rodley
for Chief, Photogrammetry Br.

CARTOGRAPHIC FEATURES OF CHARTING INTEREST

Page 1 of 1

PROJECT: CM-8303

MAP NUMBER (Scale); Locality: TP-01244; (1:20,000) Little River Inlet
to Bulls Bay, SC

GEODETIC DATUM: N.A. 1927

CHART AFFECTED: 11009, 11518, 11520, 11531

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		
TOWER ✓	086 ✓	33 04 52.17 ✓	79 27 34.70 ✓	7 ✓	2-15-84 ✓
TOWER ✓	020 ✓	33 03 35.581 ✓	79 24 15.334 ✓	3 ✓	2-18-84 ✓
TOWER (ABAND LH) ✓	020 ✓	33 01 07.544 ✓	79 22 26.114 ✓	3 ✓	2-18-84 ✓
TOWER (ABAND LH) ✓	086 ✓	33 01 05.91 ✓	79 22 27.55 ✓	7 ✓	2-18-84 ✓
WINYAH BAY-CHARLESTON HARBOR					
LIGHT 40 ✓	200 ✓	33 03 34.511 ✓	79 29 58.934 ✓	4 ✓	2-15-84 ✓
LIGHT 38 ✓	200 ✓	33 03 56.64 ✓	79 29 06.00 ✓	7 ✓	2-15-84 ✓
LIGHT 35 ✓	200 ✓	33 04 37.801 ✓	79 27 35.590 ✓	4 ✓	2-15-84 ✓
LIGHT 32 ✓	200 ✓	33 04 53.090 ✓	79 26 25.246 ✓	4 ✓	2-15-84 ✓
LIGHT 30 ✓	200 ✓	33 05 54.288 ✓	79 24 14.078 ✓	4 ✓	2-15-84 ✓
LIGHT 29 ✓	200 ✓	33 06 25.826 ✓	79 23 33.180 ✓	4 ✓	2-15-84 ✓
LIGHT 25 ✓	200 ✓	33 07 43.384 ✓	79 20 06.246 ✓	4 ✓	2-15-84 ✓
BULLS BAY					
RANGE B REAR LIGHT	209 ✓	32 59 35.93 ✓	79 29 58.51 ✓	7 ✓	2-15-84 ✓
FIVE FATHOM CREEK					
LIGHT 9A ✓	200 ✓	33 00 27.11 ✓	79 29 33.21 ✓	7 ✓	2-15-84 ✓
TOWN CREEK					
LIGHT 20 ✓	200 ✓	33 03 59.607 ✓	79 27 54.804 ✓	4 ✓	2-15-84 ✓
LIGHT 22 ✓	200 ✓	33 04 17.504 ✓	79 27 55.691 ✓	4 ✓	2-15-84 ✓

Listing approved by:

FINAL REVIEWER

DATE

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

[illegible]