

TP-01245

TP-01245

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

<i>Map No.</i> TP-01245	<i>Edition No.</i> 1
<i>Job No.</i> CM-8303.	
<i>Map Classification</i> CLASS III FINAL	
<i>Type of Survey</i> SHORELINE	
LOCALITY	
<i>State</i> SOUTH CAROLINA	
<i>General Locality</i> LITTLE RIVER INLET TO BULLS BAY	
<i>Locality</i> MURPHY ISLAND	
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		<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>01245</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final III</u> JOB <u>84-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>01245</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final III</u> JOB <u>84-CM-8303</u>		
TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>01245</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final III</u> JOB <u>84-CM-8303</u>						
PHOTOGRAMMETRIC OFFICE <div style="text-align: right;">Norfolk, VA</div> Coastal Mapping Unit, Atlantic Marine Ctr.		<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 <u> </u> SURVEY DATES: 19 <u> </u> TO 19 <u> </u> </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 <u> </u> SURVEY DATES: 19 <u> </u> TO 19 <u> </u>
LAST PRECEDING MAP EDITION							
TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	JOB <u>PH.</u> MAP CLASS <u> </u> SURVEY DATES: 19 <u> </u> TO 19 <u> </u>						
OFFICER-IN-CHARGE C. Dale North, Jr., CDR							
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							
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS		NAME	DATE				
1. AEROTRIANGULATION METHOD: Analytic		BY B. Thornton	Oct 1987				
LANDMARKS AND AIDS BY		B. Thornton	Oct 1987				
2. CONTROL AND BRIDGE POINTS METHOD: Kongsberg Plotter		PLOTTED BY B. Thornton	Oct 1987				
CHECKED BY		D. Norman	Oct 1987				
3. STEREOSCOPIC INSTRUMENT COMPILATION		PLANIMETRY BY R. Kravitz	Feb 1989				
INSTRUMENT: Wild B-8		CHECKED BY F. Mauldin	Feb 1989				
SCALE: 1:20,000		CONTOURS BY NA					
CHECKED BY NA							
4. MANUSCRIPT DELINEATION		PLANIMETRY BY R. Kravitz	Feb 1989				
METHOD: smooth drafted		CHECKED BY F. Mauldin	Mar 1989				
CONTOURS BY NA							
CHECKED BY NA							
SCALE: 1:20,000		HYDRO SUPPORT DATA BY R. Kravitz	Feb 1989				
CHECKED BY F. Mauldin		Mar 1989					
5. OFFICE INSPECTION PRIOR TO RECORD Final Review		F. Mauldin	Mar 1989				
BY NA							
6. APPLICATION OF FIELD EDIT DATA		BY NA					
CHECKED BY NA							
7. COMPILATION SECTION REVIEW Class III		BY F. Mauldin	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. E. Egan	Jan. 1990				

TP-01245
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC10(B) (B=152.74mm) Wild RC10(Z) (Z=153.15mm)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Eastern	
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE COORDINATED PHOTOGRAPHY coordinated				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
MERIDIAN 75°					
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
*84Z(P) 1194-1198	02-18-84	10:35	1:40,000	4.2 ft above MLLW	
**84Z(R) 1609-1611	03-01-84	12:38	1:40,000	0.3 ft below MLLW	
**84Z(R) 9189-9191	03-31-84	07:55	1:40,000	0.3 ft above MHW	
*84Z(P) 1057-1058	02-15-84	14:44	1:40,000	1.3 ft above 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

2. SOURCE OF MEAN HIGH-WATER LINE: stations at South Santee Bridge and Myrtle Beach.

The Mean High Water Line was compiled from office interpretation of the above listed compilation/bridging photography 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
TP-01242	No survey	No survey	TP-01244

REMARKS

TP-01245
HISTORY OF FIELD OPERATIONSI. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	P. Walbolt	Apr 1984
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	R. DeCroix NA R. DeCroix
	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	Feb 1984 NA NA
	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA NA NA
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA NA NA
	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA NA NA
	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA NA NA
4. LANDMARKS AND AID TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	NA NA NA
	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	NA NA NA
	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	NA NA NA
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	BY
	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	BY
	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> 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
paneled2. VERTICAL CONTROL IDENTIFIED
None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
84Z(P) 1195 84Z(P) 1114	CROW, 1933		

3. PHOTO NUMBERS (Clarification of details)
None4. LANDMARKS AND AID 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, 2 forms 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	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. 76-40 ~~2025~~ 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	

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01245

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:

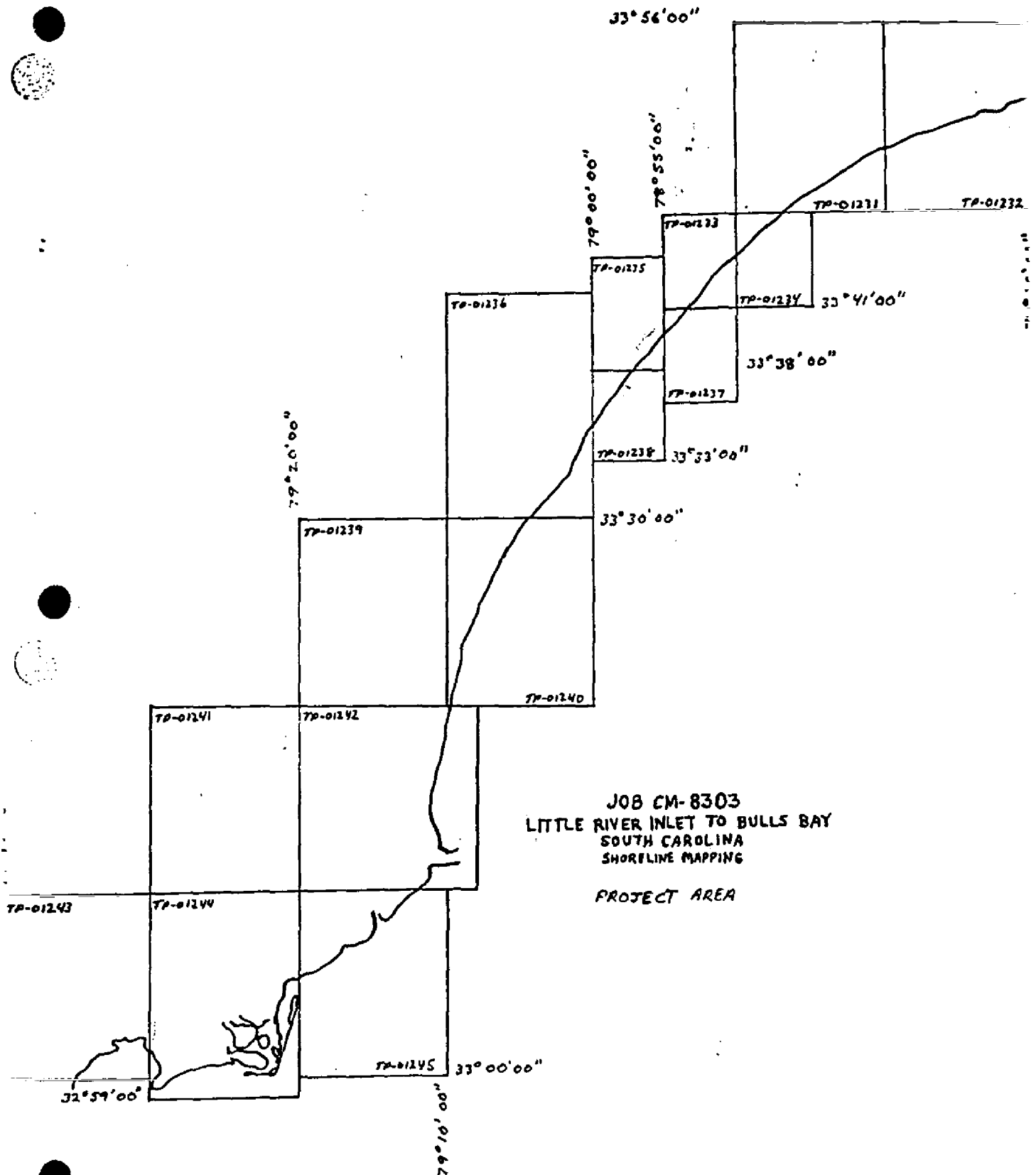
84B(R) 9145 to 9164	Ratio 1.976
84B(R) 9145 to 9155 (1:10,000)	Ratio 3.952
84B(R) 9048 to 9084	Ratio 1.990
84Z(R) 1651 to 1666	Ratio 2.024
84Z(R) 1668 to 1674	Ratio 2.022
84B(R) 9096 to 9106	Ratio 1.972
84B(R) 9199 to 9210	Ratio 2.005
84B(R) 9185 to 9197	Ratio 2.004
FRAME 84B(R) 9195	Ratio 2.580

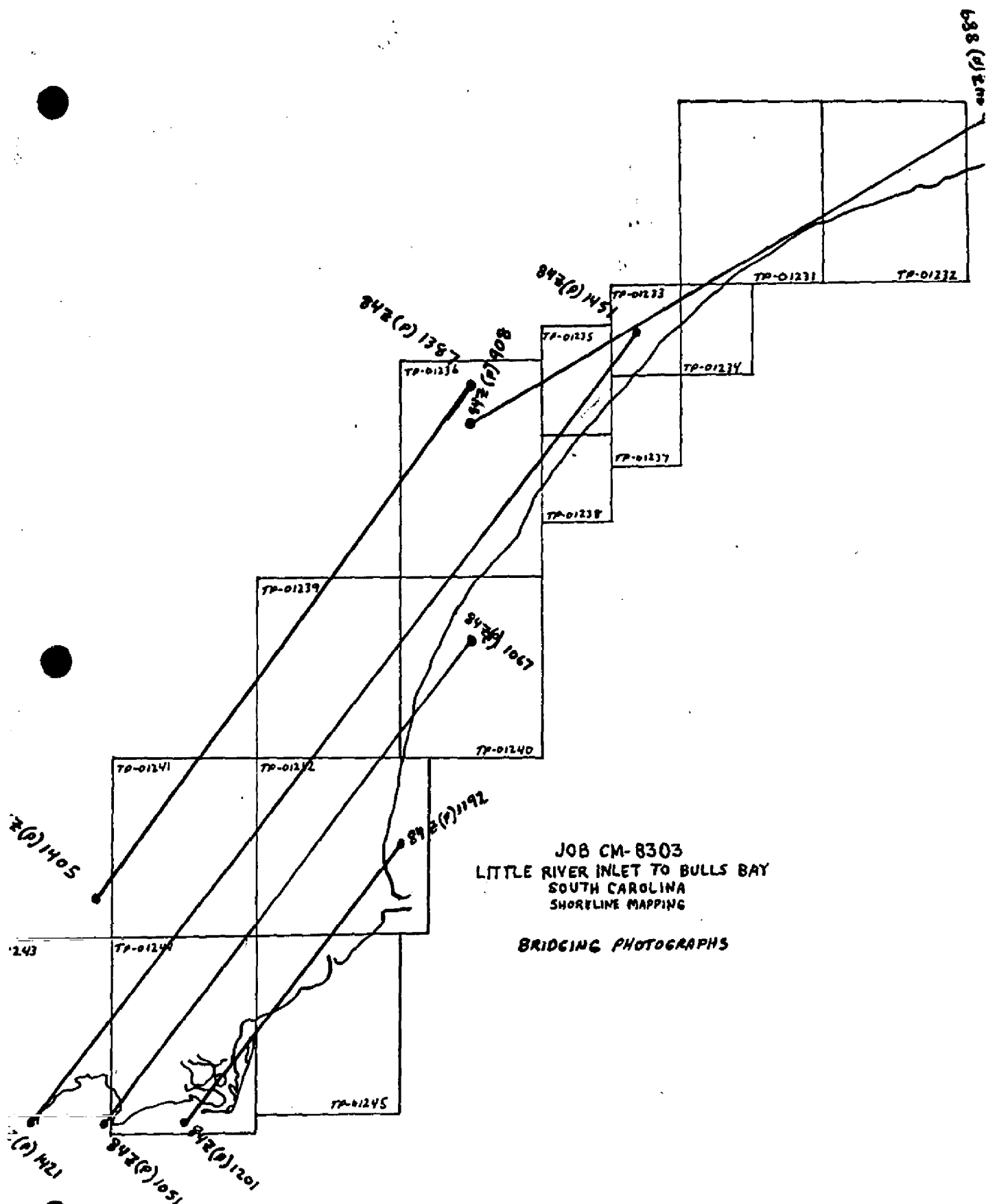
1:30,000-scale MLLW infrared photographs:

84Z(R) 1587 to 1603	Ratio 2.966
---------------------	-------------

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

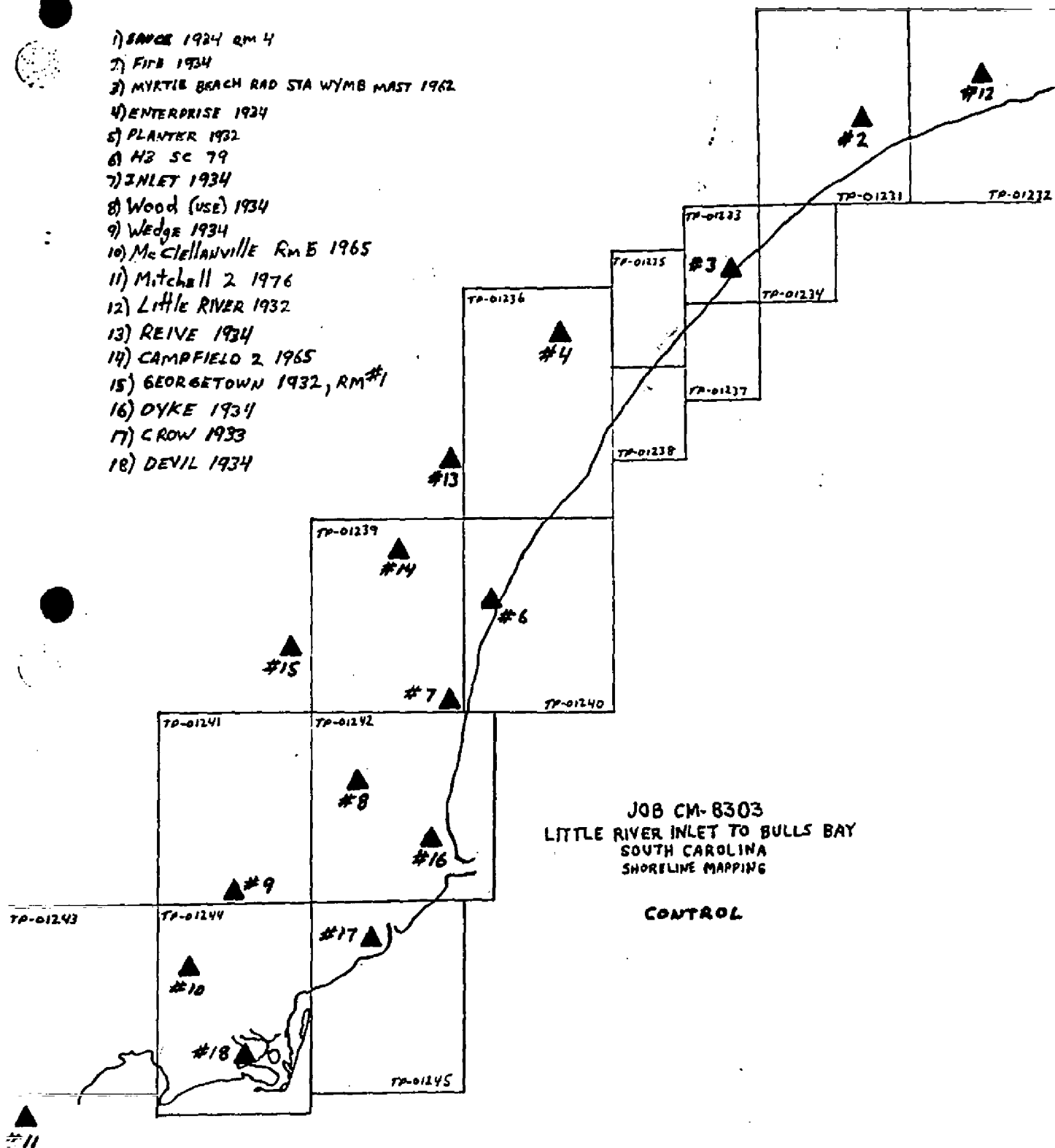


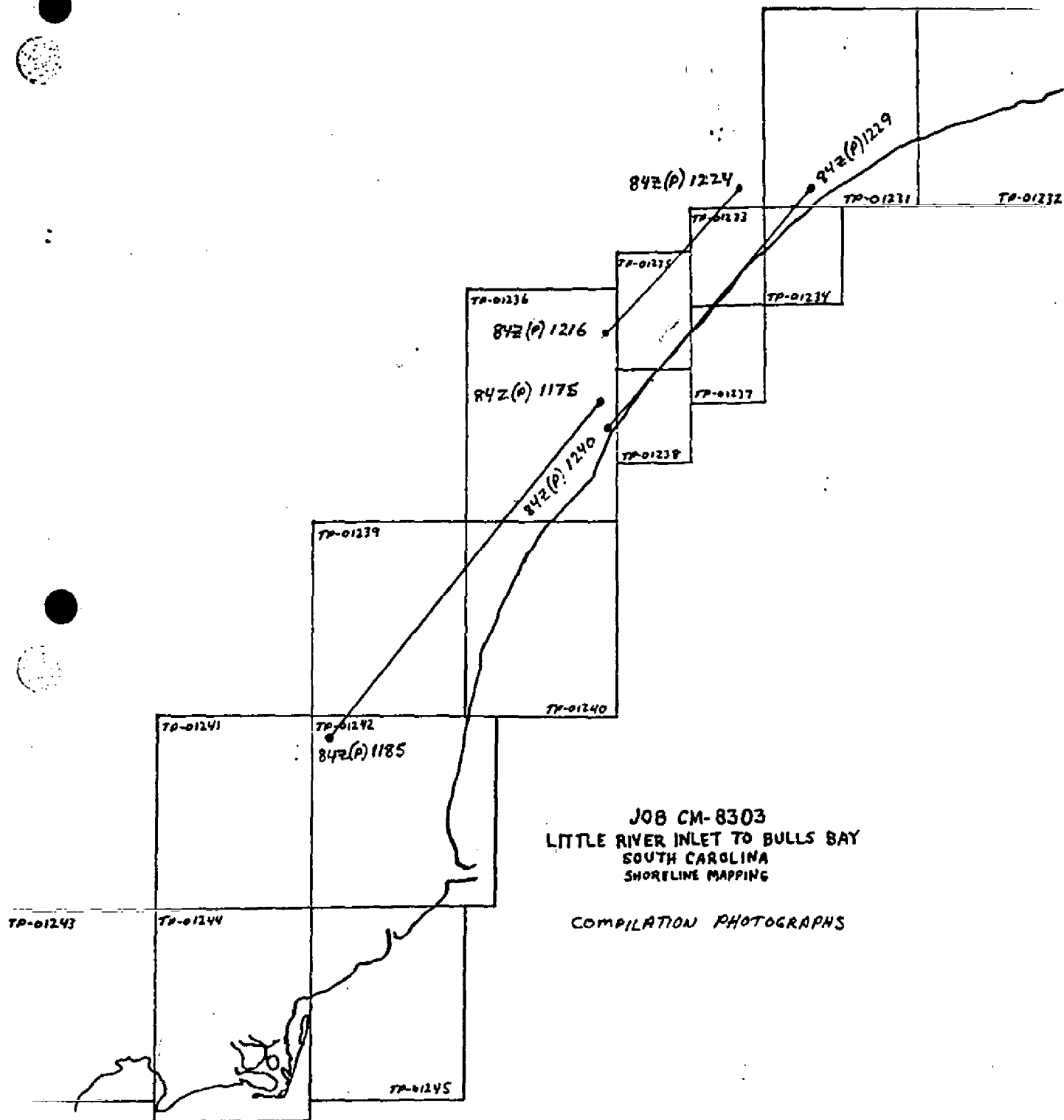


JOB CM-8303
 LITTLE RIVER INLET TO BULLS BAY
 SOUTH CAROLINA
 SHORELINE MAPPING

BRIDGING PHOTOGRAPHS

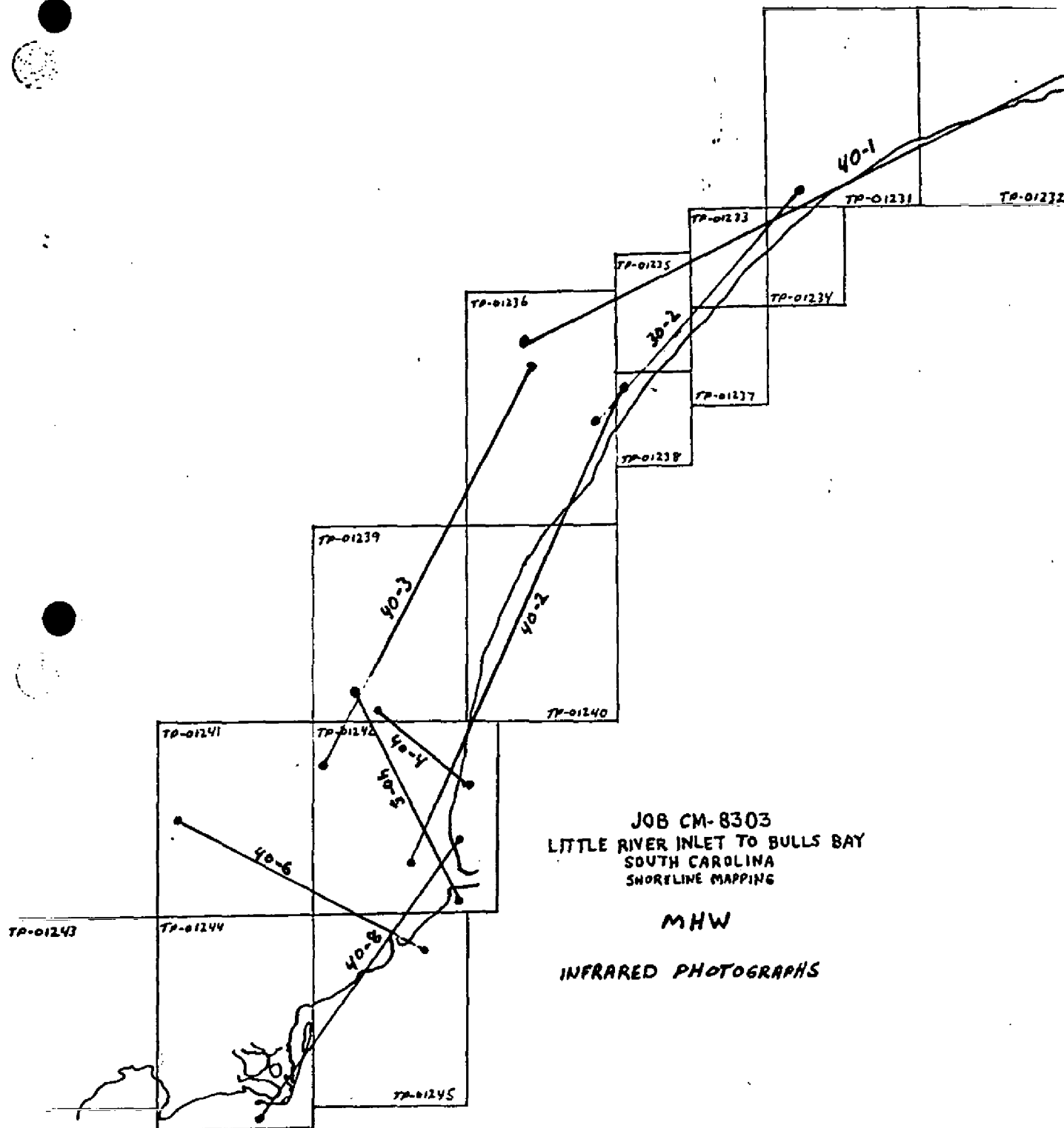
- 1) SAUCE 1924 RM 4
- 2) FIRE 1934
- 3) MYRTLE BEACH RAD STA WYMB MAST 1962
- 4) ENTERPRISE 1934
- 5) PLANTER 1932
- 6) H2 SC 79
- 7) INLET 1934
- 8) Wood (USE) 1934
- 9) Wedge 1934
- 10) McClellanville RM 5 1965
- 11) Mitchell 2 1976
- 12) Little RIVER 1932
- 13) REIVE 1934
- 14) CAMPFIELD 2 1965
- 15) GEORGETOWN 1932, RM #1
- 16) DYKE 1934
- 17) CROW 1933
- 18) DEVIL 1934

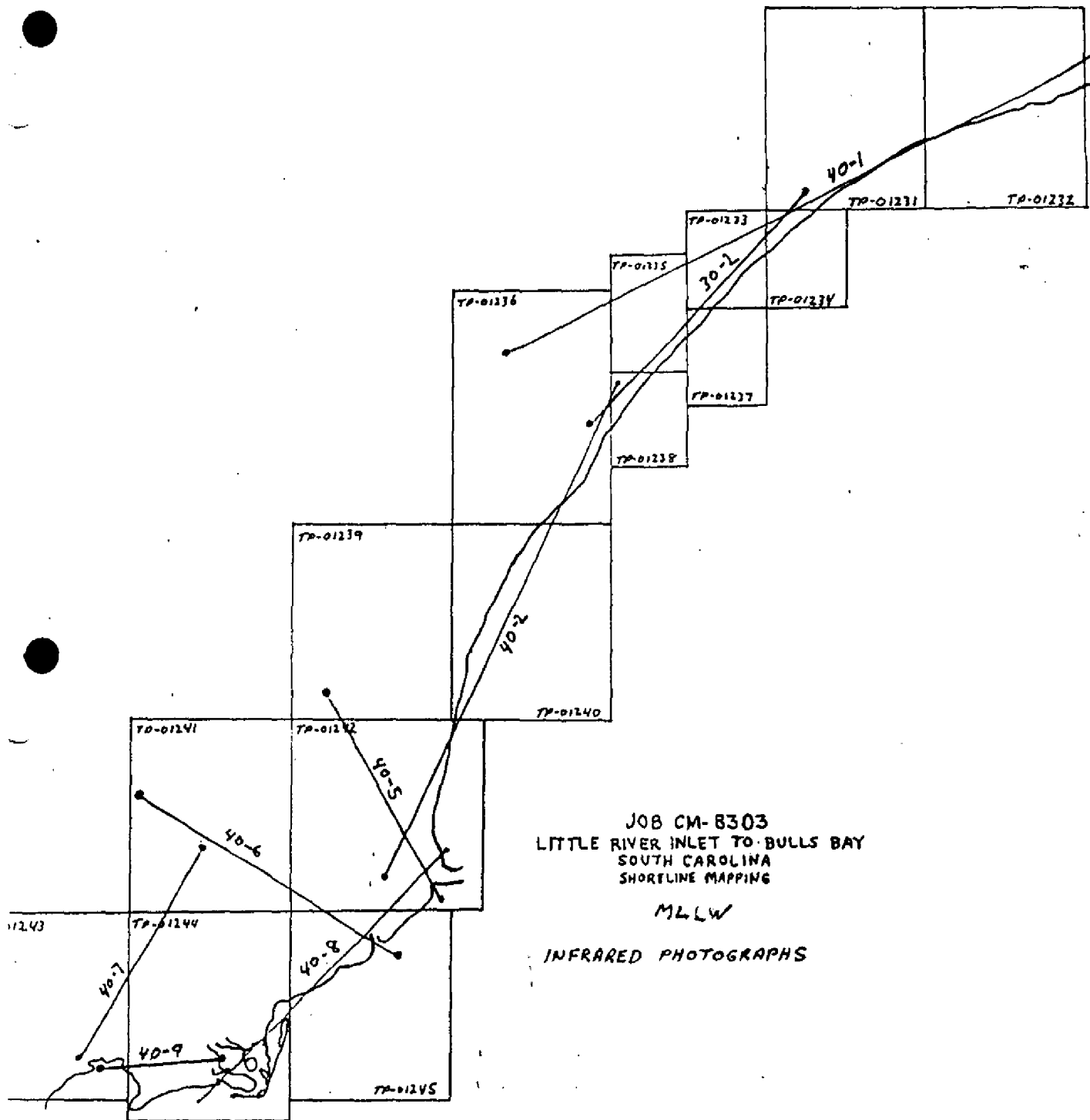




JOB CM-8303
LITTLE RIVER INLET TO BULLS BAY
SOUTH CAROLINA
SHORELINE MAPPING

COMPILATION PHOTOGRAPHS





DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-01245	JOB NO. QM-8303	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETIC DATUM N.A. 1927		ORIGINATING ACTIVITY Coastal Mapping Unit, Norfolk, VA		REMARKS
				STATE South Carolina	ZONE South	φ LATITUDE λ LONGITUDE	φ LATITUDE λ LONGITUDE	
CROW, 1933		Quad 330792 Sta 1031 ✓	196100 ✓	X=		φ 33 09 53.557 ✓		
				Y=		λ 79 17 24.581 ✓		
				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				COMPUTATION CHECKED BY				DATE
LISTED BY R. R. Kravitz				LISTING CHECKED BY F. Mauldin				DATE 3-1-89
HAND PLOTTING BY				HAND PLOTTING CHECKED BY				DATE

COMPILATION REPORT

TP-01245

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 panchromatic 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 panchromatic photographs and was complimented by the tide coordinated mean high water infrared contact photographs. There were no mean high water infrared ratio photographs available for this map.

36. OFFSHORE DETAIL:

Offshore detail was compiled by instrument methods using the 1:40,000 scale bridging/compilation panchromatic 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, one charted aid to navigation and none of the charted 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:

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

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

Santee Point, South Carolina; dated 1942, 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

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-01245

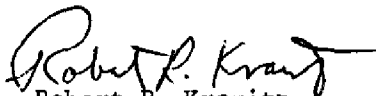
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

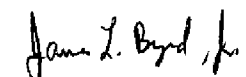
ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:


Robert R. Kravitz
Cartographic Technician
February 23, 1989

Approved:


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

REVIEW REPORT
SHORELINE

TP-01245

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,
MINIM ISLAND, SOUTH CAROLINA, dated 1943, photorevised
1973,
SANTEE POINT, SOUTH CAROLINA, dated 1942, 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
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-01245

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 W. Rodkey
for Chief, Photogrammetry Br.

CARTOGRAPHIC FEATURES OF CHARTING INTEREST

Page 1 of 1

PROJECT: CM-8303

MAP NUMBER (Scale); Locality: TP-01245; (1:20,000) Little River Inlet
to Bulls Bay, SC

GEODETIC DATUM: N.A. 1927

CHART AFFECTED: 11009, 11520, 11531, 11532, 11534

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).

<u>FEATURE DESCRIPTION</u>	<u>NCD</u> <u>CC</u>	<u>GEOGRAPHIC POSITION - ' - "</u> <u>LATITUDE</u> <u>LONGITUDE</u>	<u>NCD</u> <u>O.C.</u>	<u>DATE OF</u> <u>LOCATION</u>
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WINYAH BAY-CHARLESTON
HARBOR LIGHT 22 200 33 08 55.825 79 19 08.556 4 2-18-84

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins or other markings on the paper.

Listing approved by: Paul D. Hether Mar 1988
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]