

TP-01240

TP-01240

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-01240

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

DEBIDUE ISLAND

19 84 TO 19

REGISTERED IN ARCHIVES

DATE

|  |  |   |  |
|--|--|---|--|
| NOAA FORM 76-36A<br>(3-72)   |  | U. S. DEPARTMENT OF COMMERCE<br>NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.   |  |
| <b>DESCRIPTIVE REPORT - DATA RECORD</b>  |  | TYPE OF SURVEY<br><input checked="" type="checkbox"/> ORIGINAL<br><input type="checkbox"/> RESURVEY<br><input type="checkbox"/> REVISED   |  |
| PHOTOGRAMMETRIC OFFICE<br>Coastal Mapping Unit, Atlantic Marine Center<br>Norfolk, VA  |  | SURVEY TP. <u>01240</u><br>MAP EDITION NO. <u>(1)</u><br>MAP CLASS <u>III Final</u><br>JOB <u>XX CM-8303</u>  |  |
| OFFICER-IN-CHARGE<br><br>C. Dale North, Jr., CDR   |  | LAST PRECEDING MAP EDITION<br>TYPE OF SURVEY<br><input type="checkbox"/> ORIGINAL<br><input type="checkbox"/> RESURVEY<br><input type="checkbox"/> REVISED<br>JOB PH. _____<br>MAP CLASS _____<br>SURVEY DATES:<br>19__ TO 19__ |  |
| <b>I. INSTRUCTIONS DATED</b>   |  |   |  |
| 1. OFFICE  |  | 2. FIELD  |  |
| Aerotriangulation - None<br><br>Compilation - November 8, 1988   |  | Control - November 22, 1983   |  |
| <b>II. DATUMS</b>  |  |   |  |
| 1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN   |  | OTHER (Specify)   |  |
| 2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER<br><input type="checkbox"/> MEAN LOW-WATER<br><input checked="" type="checkbox"/> MEAN LOWER LOW-WATER<br><input type="checkbox"/> MEAN SEA LEVEL |  | OTHER (Specify)   |  |
| 3. MAP PROJECTION<br>Lambert Conformal Conic Projection  |  | 4. GRID(S)<br>STATE South Carolina      ZONE South  |  |
| 5. SCALE<br>1:20,000   |  | STATE _____      ZONE _____   |  |
| <b>III. HISTORY OF OFFICE OPERATIONS</b>   |  |   |  |
| OPERATIONS   |  | NAME  | DATE   |
| 1. AEROTRIANGULATION BY<br>METHOD: Analytic      LANDMARKS AND AIDS BY   |  | B. Thornton   | Oct 1987   |
| 2. CONTROL AND BRIDGE POINTS PLOTTED BY<br>METHOD: Kongsberg Plotter      CHECKED BY   |  | B. Thornton<br>D. Norman  | Oct 1987<br>Oct 1987                             |
| 3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY<br>COMPILATION      CHECKED BY<br>INSTRUMENT: Wild B-8      CONTOURS BY<br>SCALE: 1:20,000      CHECKED BY  |  | R. Kravitz<br>F. Mauldin<br>NA<br>NA  | Jan 1989<br>Jan 1989<br><br>                     |
| 4. MANUSCRIPT DELINEATION PLANIMETRY BY<br>METHOD: Smooth drafted      CHECKED BY<br>SCALE: 1:20,000      CHECKED BY<br>HYDRO SUPPORT DATA BY  |  | R. Kravitz<br>F. Mauldin<br>NA<br>NA<br>R. Kravitz<br>F. Mauldin  | Jan 1989<br>Jan 1989<br><br>Jan 1989<br>Jan 1989 |
| 5. OFFICE INSPECTION PRIOR TO <del>REVIEW</del> final review BY  |  | F. Mauldin  | Jan 1989   |
| 6. APPLICATION OF FIELD EDIT DATA BY   |  | NA  |  |
| 7. COMPILATION SECTION REVIEW Class III BY   |  | F. Mauldin  | Jan 1989   |
| 8. FINAL REVIEW Class III BY   |  | L.O. Neterer, Jr.   | Aug 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. Gibson   | Jan. 1990  |

TP-01240  
COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

|  |          |   |          |   |  |
|--|----------|---|----------|---|--|
| CAMERA(S) Wild RC10(B) (B=152.74mm)<br>Wild RC10(Z) (Z=153.15mm)   |          | TYPES OF PHOTOGRAPHY<br>LEGEND                |          | TIME REFERENCE  |  |
| TIDE STAGE REFERENCE<br><input checked="" type="checkbox"/> PREDICTED TIDES<br><input type="checkbox"/> REFERENCE STATION RECORDS<br><input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY |          | (C) COLOR<br>(P) PANCHROMATIC<br>(I) INFRARED |          | ZONE<br>Eastern<br>MERIDIAN<br>75°<br><input checked="" type="checkbox"/> STANDARD<br><input type="checkbox"/> DAYLIGHT |  |
| NUMBER AND TYPE  | DATE     | TIME  | SCALE    | STAGE OF TIDE   |  |
| *84Z(P)1064-1066   | 02-15-84 | 14:44   | 1:40,000 | 1.3 ft above MLLW   |  |
| *84Z(P)1440-1443   | 02-24-84 | 10:47   | 1:40,000 | 2.1 ft above MLLW   |  |
| **84Z(R)1293-1298  | 02-18-84 | 13:49   | 1:40,000 | 0.3 ft below MLLW   |  |
| **84Z(R)9067-9075  | 03-21-84 | 11:49   | 1:40,000 | 0.6 ft below MHW  |  |
|  |          |   |          | 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 bridging/compilation photographs using stereo instrument methods. The black and white infrared contact photos 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-01236 | No survey | TP-01242 | TP-01239 |

REMARKS

TP-01240  
HISTORY OF FIELD OPERATIONSI. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

| OPERATION                           | NAME  | DATE                                   |
|-------------------------------------|---|--|
| 1. CHIEF OF FIELD PARTY             | R. DeCroix  | April 1984                             |
| 2. HORIZONTAL CONTROL               | RECOVERED BY R. DeCroix<br>ESTABLISHED BY NA<br>PRE-MARKED OR IDENTIFIED BY R. DeCroix  | April 1984<br>April 1984<br>April 1984 |
| 3. VERTICAL CONTROL                 | RECOVERED BY NA<br>ESTABLISHED BY NA<br>PRE-MARKED OR IDENTIFIED BY NA  |  |
| 4. LANDMARKS AND AIDS TO NAVIGATION | RECOVERED (Triangulation Stations) BY NA<br>LOCATED (Field Methods) BY NA<br>IDENTIFIED BY NA   |  |
| 5. GEOGRAPHIC NAMES INVESTIGATION   | TYPE OF INVESTIGATION<br><input type="checkbox"/> COMPLETE<br><input type="checkbox"/> SPECIFIC NAMES ONLY BY<br><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 |
|--------------------------|--------------|--------------|---------------------|
| 84Z(P)1440<br>84Z(P)1124 | H3 SC 79     |              |                     |

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 76-86  
1 form 75-63      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 | 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<br>pages | CHART LETTER<br>NUMBER ASSIGNED | DATE<br>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 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<br>EDITION | SURVEY NUMBER<br>TP - _____ (2) | JOB NUMBER<br>PH - _____ | TYPE OF SURVEY<br><input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY<br>MAP CLASS<br><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<br>EDITION  | SURVEY NUMBER<br>TP - _____ (3) | JOB NUMBER<br>PH - _____ | TYPE OF SURVEY<br><input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY<br>MAP CLASS<br><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<br>EDITION | SURVEY NUMBER<br>TP - _____ (4) | JOB NUMBER<br>PH - _____ | TYPE OF SURVEY<br><input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY<br>MAP CLASS<br><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-01240

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 Integrated 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<br>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 |
|---------------------|-------------|

## 1:30,000-scale MHW infrared photographs:

|                     |             |
|---------------------|-------------|
| 84B(R) 9166 to 9183 | Ratio 3.000 |
|---------------------|-------------|

## 1:40,000-scale MHW infrared photographs:

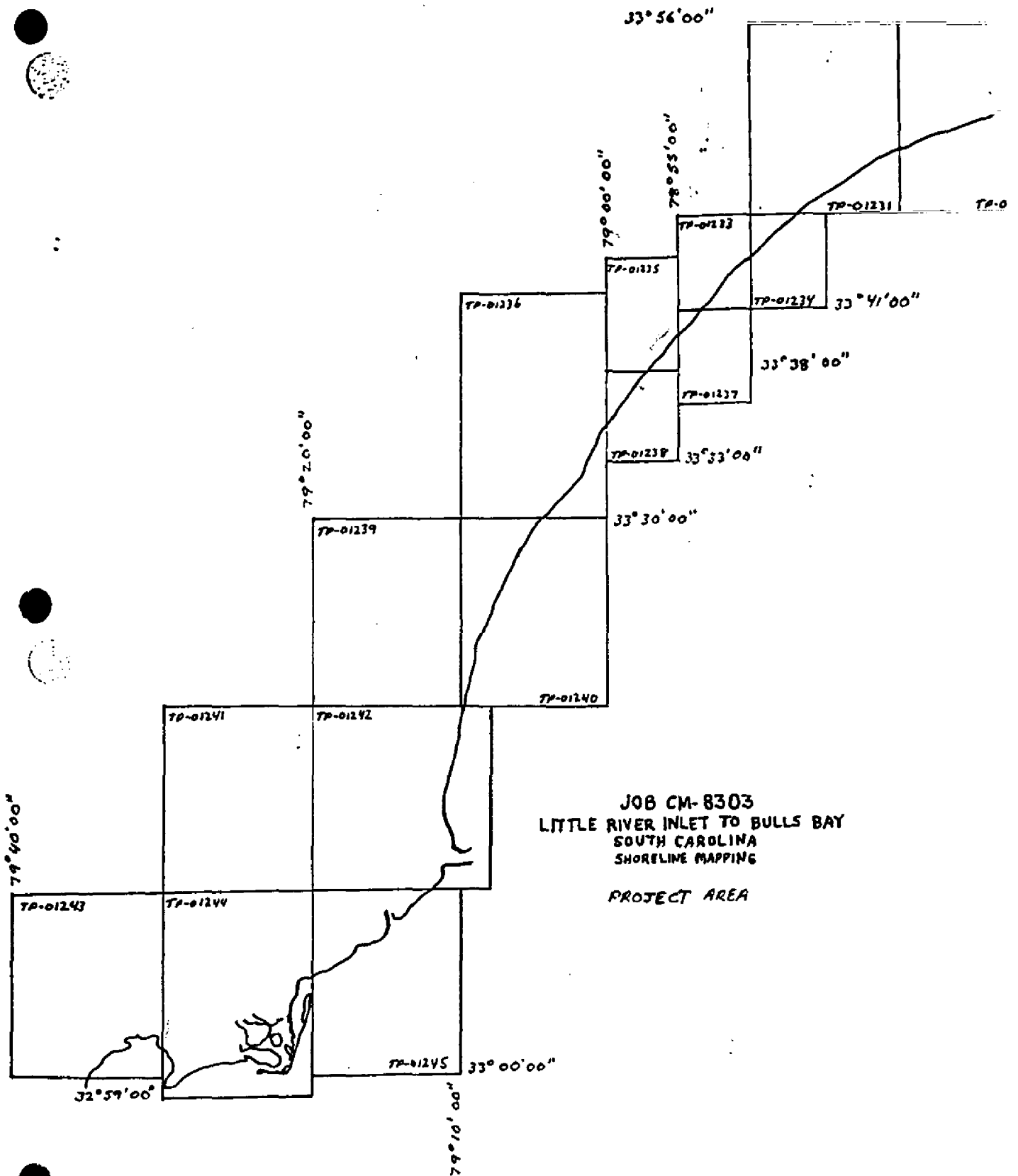
|                                |             |
|--------------------------------|-------------|
| 84B(R) 9145 to 9164            | Ratio 1.976 |
| 84B(R) 9145 to 9155 (1:10,000) | Ratio 3.952 |
| 84B(R) 9048 to 9084            | Ratio 1.990 |
| 84Z(R) 1651 to 1666            | Ratio 2.024 |
| 84Z(R) 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 |

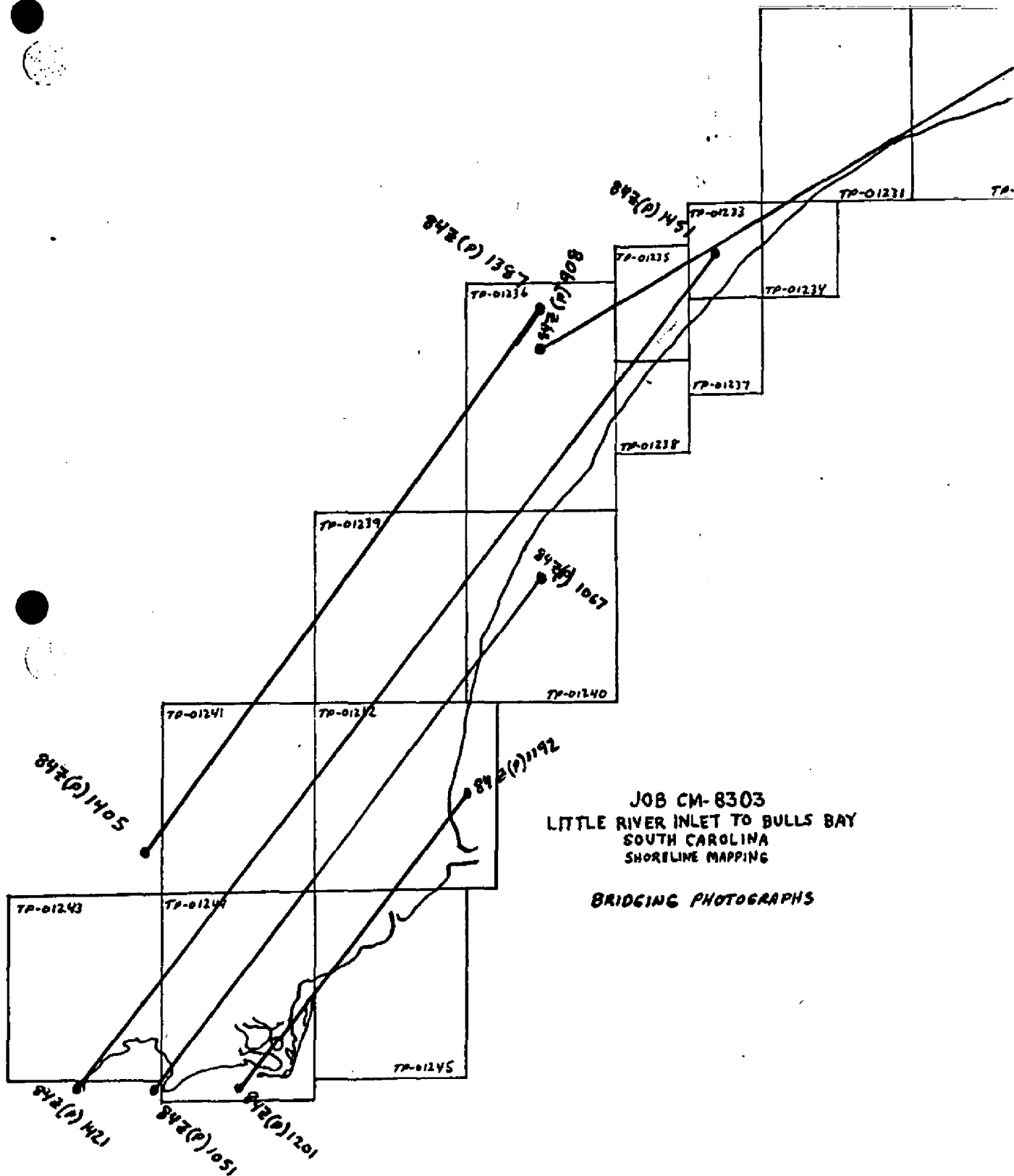
## 1:30,000-scale MLLW infrared photographs:

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

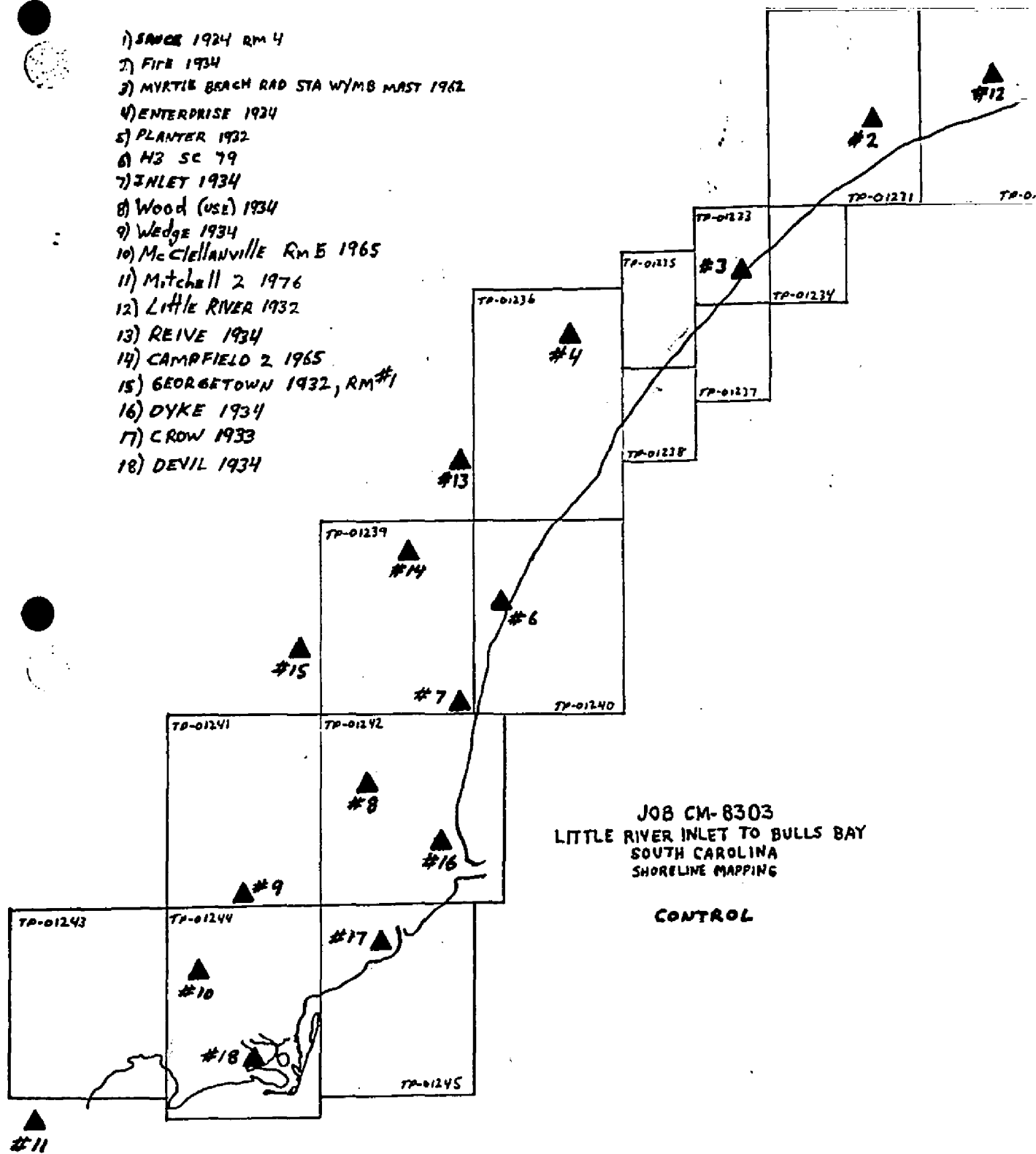
## 1:40,000-scale MLLW infrared photographs:

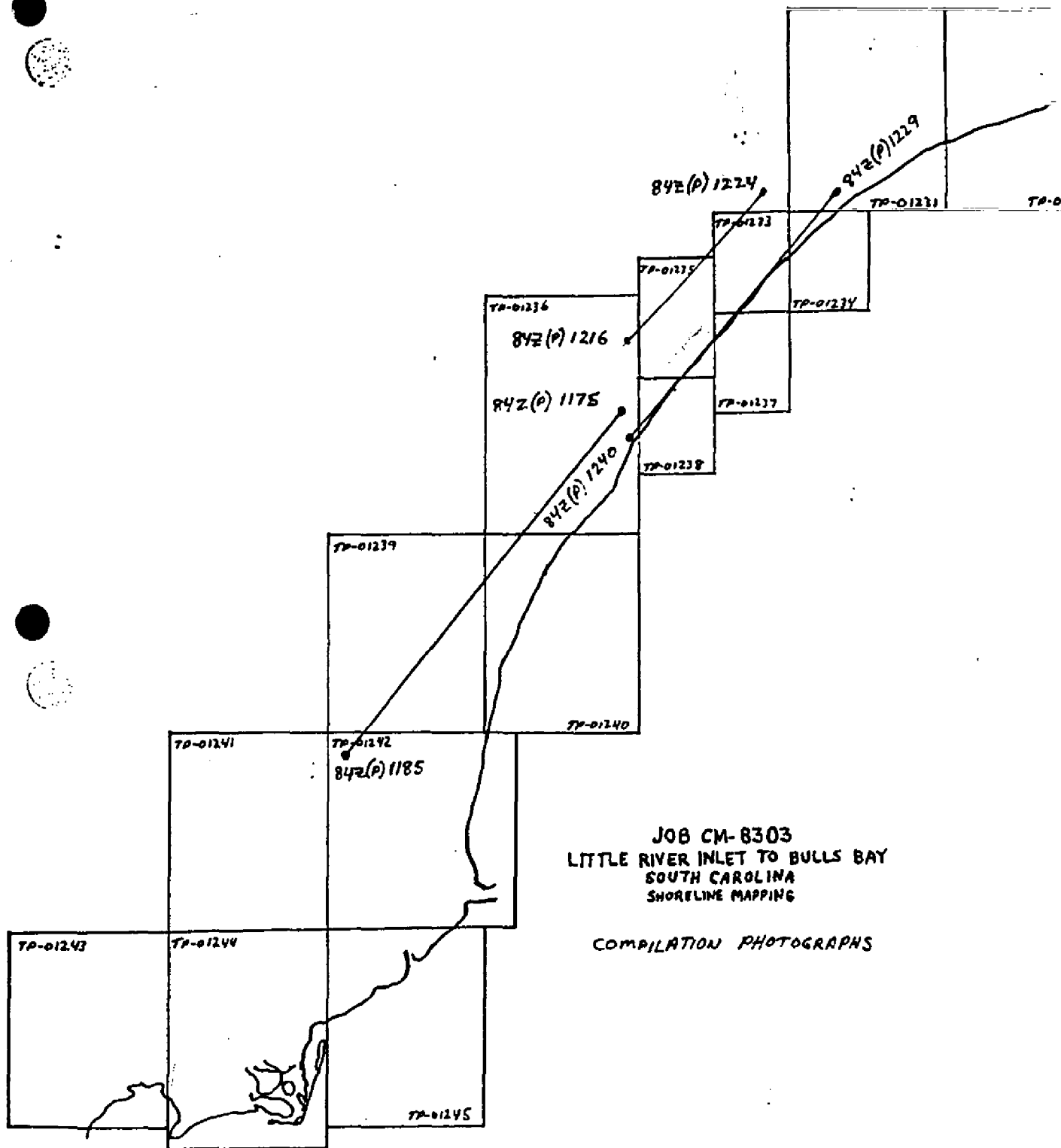
|                         |             |
|-------------------------|-------------|
| 84Z(R) 1262 to 1282     | Ratio 2.031 |
| 1262 to 1273 (1:10,000) | 4.062       |
| 84Z(R) 1284 to 1302     | Ratio 2.038 |
| 84B(R) 9086 to 9094     | Ratio 2.049 |
| 84Z(R) 1638 to 1649     | Ratio 2.009 |
| 84Z(R)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





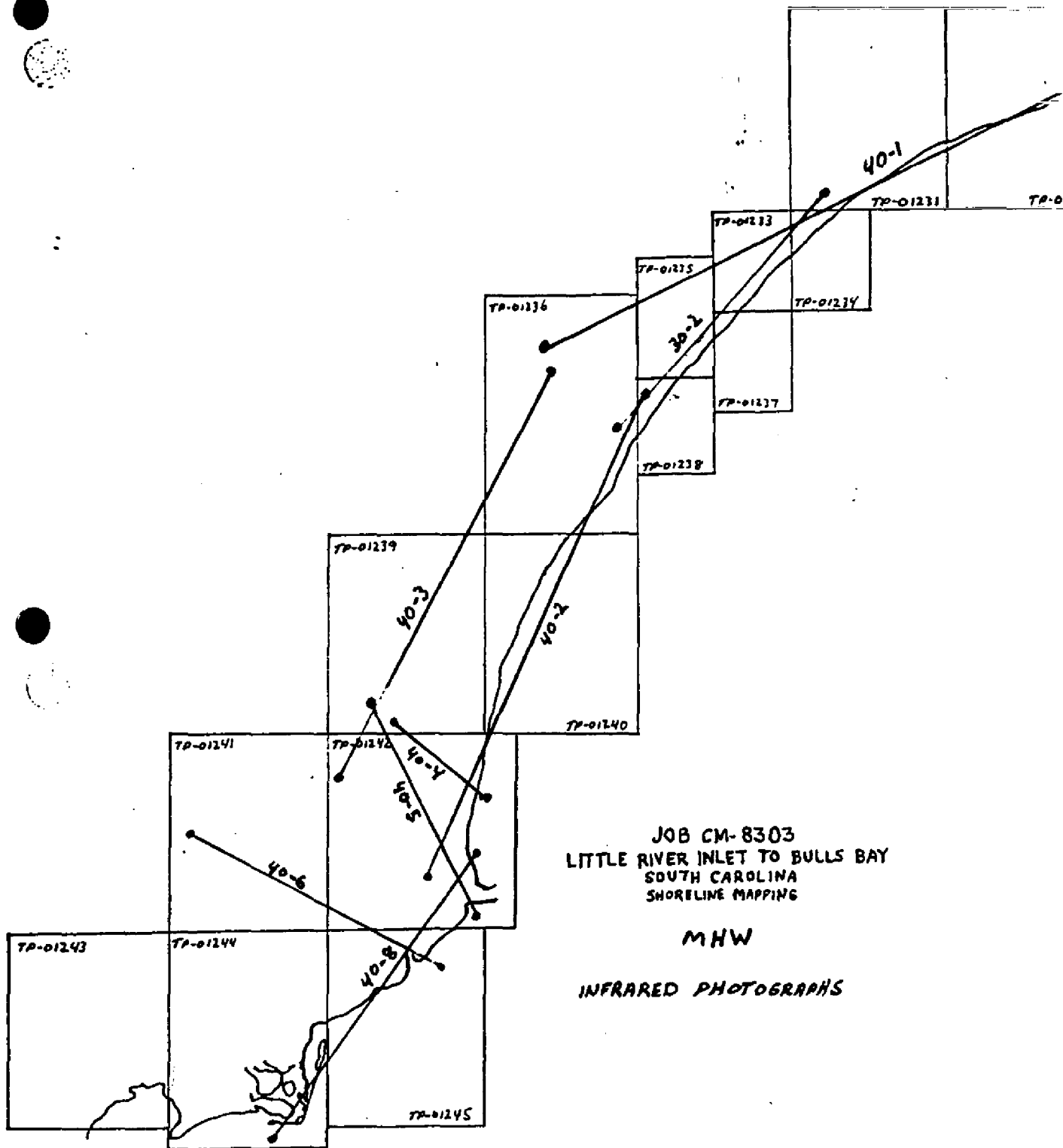
- 1) SAUCE 1924 RM 4
- 2) FIRE 1934
- 3) MYRTLE BEACH RAD STA WYMB MAST 1962
- 4) ENTERPRISE 1934
- 5) PLANTER 1932
- 6) H3 SC 79
- 7) INLET 1934
- 8) Wood (use) 1934
- 9) Wedge 1934
- 10) McClellanville RM 5 1965
- 11) Mitchell 2 1976
- 12) Little River 1932
- 13) REIVE 1934
- 14) CAMPFIELD 2 1965
- 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

COMPILATION PHOTOGRAPHS

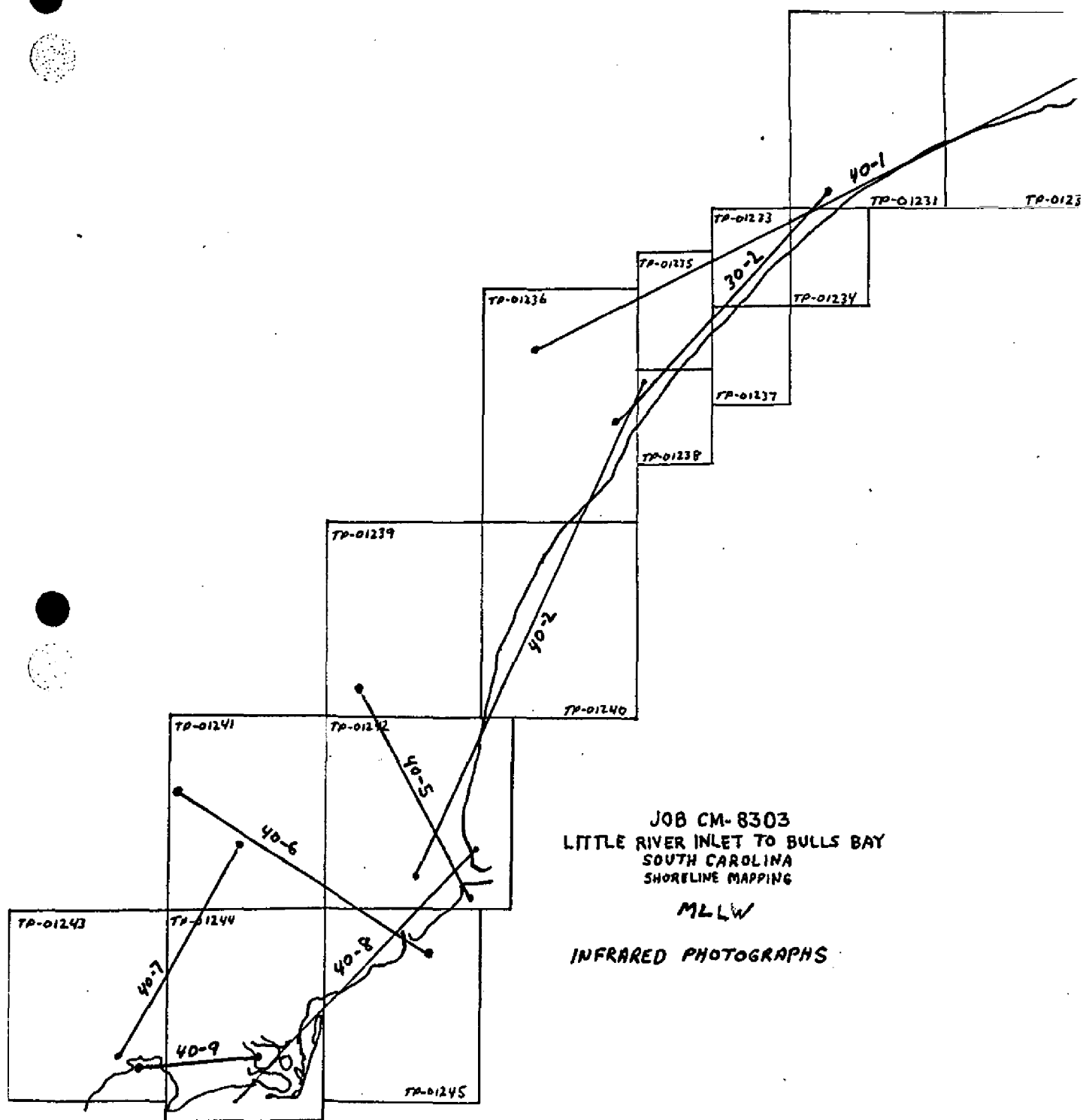


JOB CM-8303  
LITTLE RIVER INLET TO BULLS BAY  
SOUTH CAROLINA  
SHORELINE MAPPING

MHW

INFRARED PHOTOGRAPHS







## COMPILATION REPORT

TP-01240

### 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 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 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 DETAILS:

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, two charted aids to navigation were located/verified photogrammetrically. There were no charted landmarks.

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:

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

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

Magnolia Beach, 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

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

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

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

TP-01240

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

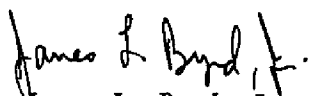
None.

Submitted by:



Robert R. Kravitz  
Cartographic Technician  
January 13, 1989

Approved:



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

MAY 2 - 1985

GEOGRAPHIC NAMES

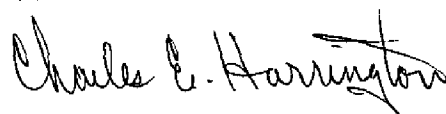
FINAL NAME SHEET

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

TP-01240

Annieville  
Atlantic Ocean  
Bullins Creek  
Butler Creek  
Caledonia Creek  
Clubhouse Creek  
Debidue Beach  
Debidue Island  
Duncan Creek  
Fraserville  
Intracoastal Waterway  
Litchfield Beach (locale)  
Long Bay  
Magnolia Beach  
Midway Inlet  
Oatland Creek  
Parkersville  
Pawleys Inlet  
Pawleys Island  
Pawleys Island (locale)  
Pawleys Island Creek  
Rabbit Island  
Squirrel Creek  
Waccamaw River  
Waverly Creek  
Waverly Mills

Approved:



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

REVIEW REPORT  
SHORELINE

TP-01240

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:

MAGNOLIA BEACH, SOUTH CAROLINA, dated 1942,  
photorevised 1973;  
NORTH ISLAND, SOUTH CAROLINA, dated 1942, photorevised  
1973;  
WAVERLY MILLS, 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  
11532, 15th edition, dated October 10, 1988, scale  
1:40,000  
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.

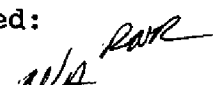
Submitted by:

  
Lowell O. Neterer, Jr.  
Final Reviewer  
July 1989

Approved for Forwarding:

  
Billy H. Barnes  
Chief, Quality Assurance Group

Approved:

  
~~Chief, Photogrammetric Sect.~~

  
for Chief, Photogrammetry Br.



## CARTOGRAPHIC FEATURES OF CHARTING INTEREST

Page 1 of 1

PROJECT: CM-8303

MAP NUMBER (Scale); Locality: TP-01240; (1:10,000) Little River Inlet  
to Bulls Bay, SC

GEODETIC DATUM: N.A. 1927

**CHART AFFECTED:** 11009, 11520, 11532, 11534, 11535

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><br><u>CC</u> | <u>GEOGRAPHIC POSITION - " - "</u> |  |                  |  | <u>NCD</u><br><u>Q.C.</u> | <u>DATE OF</u><br><u>LOCATION</u> |
|----------------------------|-------------------------|------------------------------------|--|------------------|--|---------------------------|-----------------------------------|
|                            |                         | <u>LATITUDE</u>                    |  | <u>LONGITUDE</u> |  |                           |                                   |
| LITTLE RIVER-WINYAH BAY    |                         |                                    |  |                  |  |                           |                                   |
| LIGHT 78 ✓                 | 200 ✓                   | 33 28 00.128 ✓                     |  | 79 09 31.323 ✓   |  | 4 ✓                       | 2-24-84 ✓                         |
| LIGHT 77 ✓                 | 200                     | 33 28 53.238 ✓                     |  | 79 09 08.017 ✓   |  | 4 ✓                       | 2-24-84 ✓                         |
| TANK ✓                     | 993 ✓                   | 33 28 51.590 ✓                     |  | 79 06 13.764 ✓   |  | 4 ✓                       | 2-24-84 ✓                         |
| TV TOWER ✓                 | 993 ✓                   | 33 27 29.20 ✓                      |  | 79 06 46.10 ✓    |  | 7 ✓                       | 2-24-84 ✓                         |

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]