

TP-00277

NOAA FORM 76-35

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

## DESCRIPTIVE REPORT

Type of Survey ..... Shoreline  
Job No. ... PH-7101 ..... Map No. TP-00277...  
Classification No. .... Edition No. ... 1  
Field Edited Map ✓

## LOCALITY

State ... South Carolina and Georgia ✓  
General Locality ... Charleston to Savannah ✓  
Locality ... SAVANNAH RIVER ✓

1970 TO 1974

## REGISTRY IN ARCHIVES

DATE .....

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR  
TO REGISTRATION

|                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                |                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| 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><br>Coastal Mapping Division(Norfolk) -<br><br>OFFICER-IN-CHARGE<br><br>Jeffrey G. Carlen, Cdr. -                                                                                                  |  | SURVEY TP- <u>00277</u><br><br>MAP EDITION NO. <u>14</u><br><br>MAP CLASS <u>Final (F.E.)</u><br><br>JOB PH- <u>7101</u>                                                                                                                       |                                    |
| PHOTOGRAMMETRIC OFFICE<br><br>Coastal Mapping Division(Norfolk) -<br><br>OFFICER-IN-CHARGE<br><br>Jeffrey G. Carlen, Cdr. -                                                                                                  |  | <b>LAST PRECEDING MAP EDITION</b><br><br>TYPE OF SURVEY<br><input type="checkbox"/> ORIGINAL<br><input type="checkbox"/> RESURVEY<br><input type="checkbox"/> REVISED<br><br>JOB PH- _____<br>MAP CLASS _____<br>SURVEY DATES:<br>19__ TO 19__ |                                    |
| <b>I. INSTRUCTIONS DATED</b>                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                |                                    |
| 1. OFFICE                                                                                                                                                                                                                    |  | 2. FIELD                                                                                                                                                                                                                                       |                                    |
| Aerotriangulation May, 1972 -<br><br>Compilation Sept., 1973 -                                                                                                                                                               |  | Sept., 1970 -                                                                                                                                                                                                                                  |                                    |
| <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 checked="" type="checkbox"/> MEAN LOW-WATER -<br><input type="checkbox"/> MEAN LOWER LOW-WATER<br><input type="checkbox"/> MEAN SEA LEVEL       |  | OTHER (Specify)                                                                                                                                                                                                                                |                                    |
| 3. MAP PROJECTION<br><br>Polyconic -                                                                                                                                                                                         |  | 4. GRID(S)<br>STATE ZONE<br>South Carolina South                                                                                                                                                                                               |                                    |
| 5. SCALE<br><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                                                                                                                                                            |  | R.B. Kelly -                                                                                                                                                                                                                                   | Dec. 1973 -                        |
| 2. CONTROL AND BRIDGE POINTS PLOTTED BY<br>METHOD: Coradomat CHECKED BY                                                                                                                                                      |  | D. Phillips -<br>D. Phillips -                                                                                                                                                                                                                 | Dec. 1973 -<br>Dec. 1973           |
| 3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY<br>COMPILATION CHECKED BY<br>INSTRUMENT: Wild B-8 -<br>SCALE: 1:20,000 -<br>CONTOURS BY<br>CHECKED BY                                                                               |  | C. Blood -<br>A. Rauck -<br>NA<br>NA                                                                                                                                                                                                           | Jan. 1974 -<br>Jan. 1974 -<br><br> |
| 4. MANUSCRIPT DELINEATION PLANIMETRY BY<br>Smooth ink tracing of reduction of 1:10,000 CHECKED BY<br>METHOD: scale TP-00274 & TP-00278 CONTOURS BY<br>CHECKED BY<br>SCALE: 1:20,000 -<br>HYDRO SUPPORT DATA BY<br>CHECKED BY |  | Charles Parker -<br>A. Rauck -<br>NA<br>NA<br>NA<br>NA                                                                                                                                                                                         | Jan. 1974<br>Jan. 1974<br><br><br> |
| 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY                                                                                                                                                                                  |  | A. Rauck -                                                                                                                                                                                                                                     | Jan. 1974                          |
| 6. APPLICATION OF FIELD EDIT DATA Traced BY<br>Traced CHECKED BY                                                                                                                                                             |  | F. Margiotta -<br>A. Rauck, Jr. -                                                                                                                                                                                                              | Aug. 1974<br>Aug. 1974             |
| 7. COMPILATION SECTION REVIEW BY                                                                                                                                                                                             |  | F. Margiotta -                                                                                                                                                                                                                                 | Aug. 1974                          |
| 8. FINAL REVIEW BY                                                                                                                                                                                                           |  | Billy H. Barnes -                                                                                                                                                                                                                              | Dec. 1975                          |
| 9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY                                                                                                                                                                               |  | Billy H. Barnes                                                                                                                                                                                                                                | March 3, 1976                      |
| 10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY                                                                                                                                                                               |  |                                                                                                                                                                                                                                                |                                    |
| 11. MAP REGISTERED - COASTAL SURVEY SECTION BY                                                                                                                                                                               |  | R.T. CATOK                                                                                                                                                                                                                                     | JUN 1976                           |

NOAA FORM 76-36B  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYTP-00277  
COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

|                                                                                                                                                                                                                              |         |                                                   |          |                   |                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------------------|----------|-------------------|----------------------------------------------|
| CAMERA(S)<br>Wild RC-8 "E" and "L"                                                                                                                                                                                           |         | TYPES OF PHOTOGRAPHY<br>LEGEND                    |          | TIME REFERENCE    |                                              |
| TIDE STAGE REFERENCE SAVANNAH RIVER<br><input checked="" type="checkbox"/> PREDICTED TIDES ENTRANCE<br><input type="checkbox"/> REFERENCE STATION RECORDS<br><input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY |         | (C) COLOR X<br>(P) PANCHROMATIC<br>(I) INFRARED X |          | ZONE<br>Eastern   | <input checked="" type="checkbox"/> STANDARD |
|                                                                                                                                                                                                                              |         |                                                   |          | MERIDIAN<br>75th  | <input type="checkbox"/> DAYLIGHT            |
| NUMBER AND TYPE                                                                                                                                                                                                              | DATE    | TIME                                              | SCALE    | STAGE OF TIDE     |                                              |
| * 71E(I)2336 - 2338                                                                                                                                                                                                          | 3/30/71 | 08:52                                             | 1:30,000 | + 0.2 ft. of MHW  |                                              |
| * 71E(I)2344 - 2347                                                                                                                                                                                                          | 3/30/71 | 09:01                                             | 1:30,000 | + 0.2 ft. of MHW  |                                              |
| * 71E(I)2250 - 2253                                                                                                                                                                                                          | 3/28/71 | 13:12                                             | 1:30,000 | + 0.2 ft. of MLW  |                                              |
| * 71E(I)2257 - 2261                                                                                                                                                                                                          | 3/28/71 | 13:17                                             | 1:30,000 | + 0.2 ft. of MLW  |                                              |
| 70L(C)447A-449A                                                                                                                                                                                                              | 11/7/70 | 10:12                                             | 1:40,000 | 2.0 ft. above MLW |                                              |
| 70L(C)9923A & 9924A                                                                                                                                                                                                          | 11/5/70 | 10:29                                             | 1:40,000 | 6.0 ft. above MLW |                                              |

## REMARKS

\*Tide Controlled infrared photography.

## 2. SOURCE OF MEAN HIGH-WATER LINE:

Tide controlled infrared photography.

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

Tide controlled infrared photography.

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

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

## 5. FINAL JUNCTIONS

| NORTH     | EAST     | SOUTH     | WEST      |
|-----------|----------|-----------|-----------|
| No Survey | TP-00279 | No Survey | No Survey |

## REMARKS

NOAA FORM 76-36C  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYTP-00277  
HISTORY OF FIELD OPERATIONS1. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

| OPERATION                           | NAME                                                                                                                                                               | DATE       |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 1. CHIEF OF FIELD PARTY             | J.K. Wilson                                                                                                                                                        | June, 1971 |
| 2. HORIZONTAL CONTROL               | RECOVERED BY J.K. Wilson<br>ESTABLISHED BY None<br>PRE-MARKED OR IDENTIFIED BY R.E. Kesselring                                                                     | June, 1971 |
| 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 None<br>LOCATED (Field Methods) BY None<br>IDENTIFIED BY None                                                                |            |
| 5. GEOGRAPHIC NAMES INVESTIGATION   | TYPE OF INVESTIGATION<br><input type="checkbox"/> COMPLETE<br><input type="checkbox"/> SPECIFIC NAMES ONLY<br><input checked="" type="checkbox"/> NO INVESTIGATION |            |
| 6. PHOTO INSPECTION                 | CLARIFICATION OF DETAILS BY                                                                                                                                        |            |
| 7. BOUNDARIES AND LIMITS            | SURVEYED OR IDENTIFIED BY NA                                                                                                                                       |            |

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

Premarked

2. VERTICAL CONTROL IDENTIFIED

NA

PHOTO NUMBER

STATION NAME

PHOTO NUMBER

STATION DESIGNATION

70L(C)9866A FUSKY (USE), 1933 ✓

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER

OBJECT NAME

PHOTO NUMBER

OBJECT NAME

5. GEOGRAPHIC NAMES:

☐ REPORT☒ NONE

6. 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)

1 Form 152

NOAA FORM 76-36C  
(3-72)

NOAA FORM 76-36D  
(3-72)

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

TP-00277  
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

| COMPILATION STAGES                                      |         |                                 | DATE MANUSCRIPT FORWARDED |               |
|---------------------------------------------------------|---------|---------------------------------|---------------------------|---------------|
| DATA COMPILED                                           | DATE    | REMARKS                         | MARINE CHARTS             | HYDRO SUPPORT |
| Manuscript complete pending field edit                  | 1/30/74 | Class III Manuscript Superseded | 2/4/74                    | 2/4/74        |
| Field edit applied from TP-00274 & TP-00278 by Transfer | 8/26/74 | Class I Superseded              | 9/10/74                   |               |
| Final Review                                            | 12/ /75 |                                 | 11/30/76                  |               |
|                                                         |         |                                 |                           |               |

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

| NUMBER | CHART LETTER NUMBER ASSIGNED | DATE FORWARDED | REMARKS          |
|--------|------------------------------|----------------|------------------|
|        | 97174                        | 7/31/74        | Nonfloating aids |
|        | 97174                        | 7/31/74        | Landmarks        |
|        |                              |                |                  |
|        |                              |                |                  |
|        |                              |                |                  |
|        |                              |                |                  |

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 7/31/74  
 3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

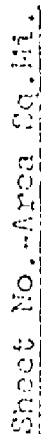
III. FEDERAL RECORDS CENTER DATA

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       | JOB NUMBER         | TYPE OF SURVEY                   |                                                                                                                       |
|----------------|---------------------|--------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                | TP - (2)            | PH -               | <input type="checkbox"/> REVISED | <input type="checkbox"/> RESURVEY                                                                                     |
|                | DATE OF PHOTOGRAPHY | DATE OF FIELD EDIT | MAP CLASS                        |                                                                                                                       |
|                |                     |                    | <input type="checkbox"/> II.     | <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |
| THIRD EDITION  | SURVEY NUMBER       | JOB NUMBER         | TYPE OF SURVEY                   |                                                                                                                       |
|                | TP - (3)            | PH -               | <input type="checkbox"/> REVISED | <input type="checkbox"/> RESURVEY                                                                                     |
|                | DATE OF PHOTOGRAPHY | DATE OF FIELD EDIT | MAP CLASS                        |                                                                                                                       |
|                |                     |                    | <input type="checkbox"/> II.     | <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |
| FOURTH EDITION | SURVEY NUMBER       | JOB NUMBER         | TYPE OF SURVEY                   |                                                                                                                       |
|                | TP - (4)            | PH -               | <input type="checkbox"/> REVISED | <input type="checkbox"/> RESURVEY                                                                                     |
|                | DATE OF PHOTOGRAPHY | DATE OF FIELD EDIT | MAP CLASS                        |                                                                                                                       |
|                |                     |                    | <input type="checkbox"/> II.     | <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |

SCALE 1:10,000 &amp; 1:20,000



|          |    |
|----------|----|
| TP-00267 | 8  |
| TP-00268 | 7  |
| TP-00269 | 9  |
| TP-00270 | 1  |
| TP-00271 | 10 |
| TP-00272 | 4  |
| TP-00273 | 1  |
| TP-00274 | 3  |
| TP-00275 | 3  |
| TP-00276 | 3  |
| TP-00277 | 12 |
| TP-00278 | 4  |
| TP-00279 | 3  |
| Total    | 68 |

Revised 11/4/79

0  
-  
00

30'

84.00  
55.00  
55.00

3

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT TP-00277

This map is a tracing of a photo-reduction of 1:10,000 scale maps TP-00274 and TP-00278. The Summaries for those maps are applicable to this map.

Photogrammetric Plot Report  
Charleston to Savannah  
South Carolina and Georgia  
Job PH - 710F

21. Area Covered

This report covers nine 1:20,000 sheets, TP-00267, TP-00268, TP-00269, TP-00270, TP-00271, TP-00272, TP-00273, TP-00277, TP-00279 and four 1:10,000 sheets, TP-00274, TP-00275, TP-00276, and TP-00278 from Kiawah River, South Carolina, to Tybee Island, Georgia.

22. Method

Eight strips 1:40,000 scale color photography were bridged by analytic aerotriangulation methods and adjusted to ground on South Carolina South State Plane coordinate system. Bridge points were used on 1:30,000 scale infrared photography for ratioing photographs to be used in compiling the Mean Low- and Mean High-Water Line. Ratio prints of infrared photography covering Mean Low- and Mean High-Water were ordered. (One each of cronapaque). Tie points were used to augment datum between strips. Data for plotting manuscripts for compilation were assembled for ruling and plotting by the Coradomat and Calcomp.

23. Adequacy of Control

The horizontal control provided was adequate except for Fusky (USE) 1932 sub stations A and C, which held in strip one and did not hold in strip two, because of poor image points. Also, Chan, 1933, substation A and C did not hold in strip four because of poor image points.

All other control held within the accuracy required by National Standards of Map Accuracy at 1:20,000 and 1:10,000 scale.

24. Supplemental Data

U.S. Geological Survey quadrangles were used to provide elevations for vertical adjustments of bridges.

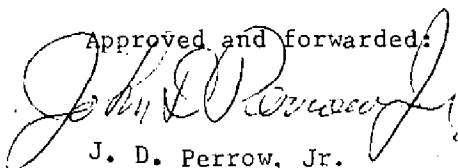
25. Photography

RC-8 color film positives were adequate as to coverage, overlay, and definition.

Submitted by,

Robert B. Kelly

Approved and forwarded:



J. D. Perrow, Jr.

Chief, Aerotriangulation Section

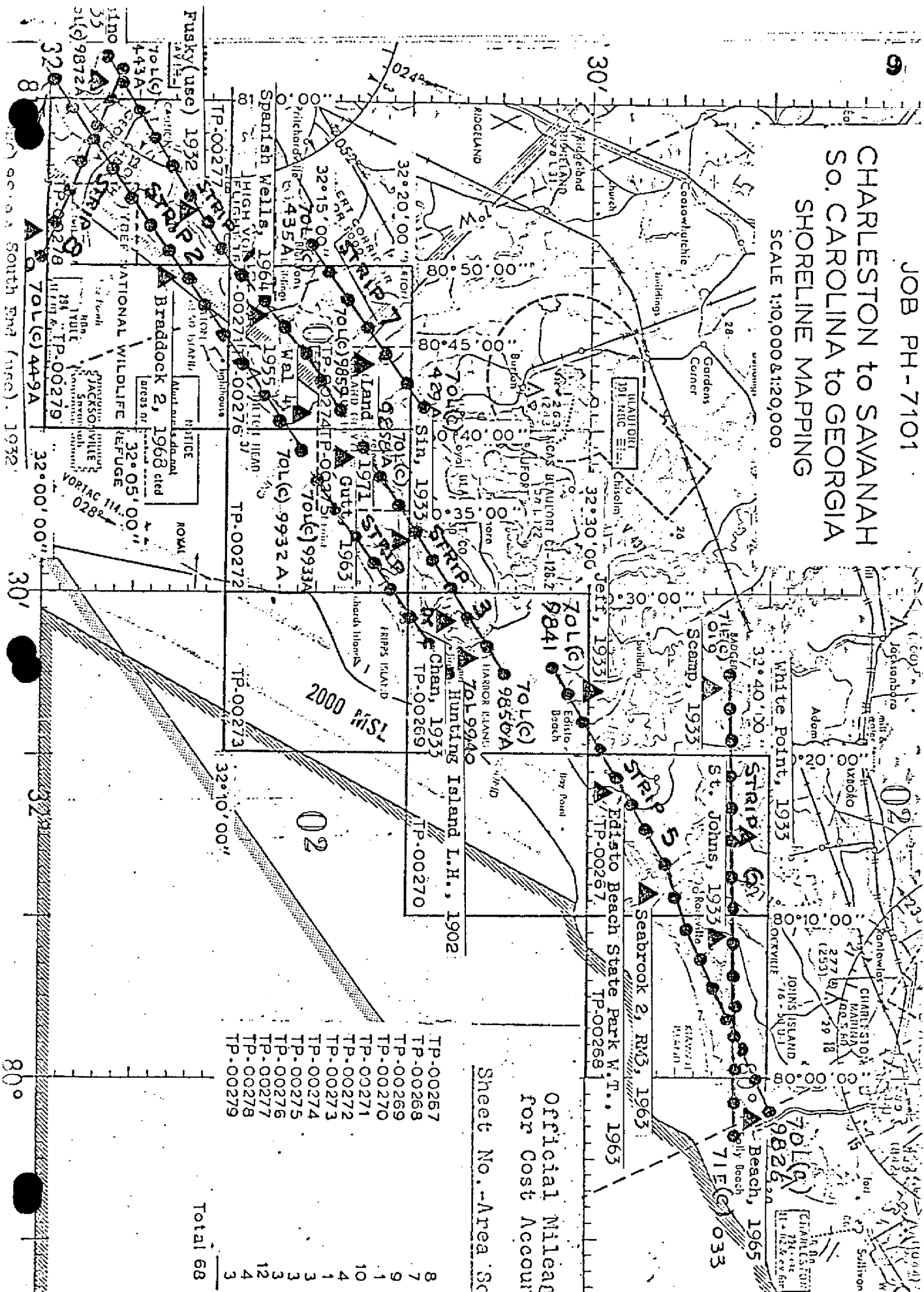
PH-7101  
Charleston to Savannah

NOTE TO COMPILER

Foreshore Cross Section points listed below were omitted during bridging. Points should be dropped during compilation.

|              |       |
|--------------|-------|
| Section II   | 68-01 |
| Section VII  | 69-01 |
| Section VIII | 69-02 |
| Section IX   | 73-01 |
| Section XIII | 79-01 |

SCALE 1:10,000 & 1:20,000



## DESCRIPTIVE REPORT CONTROL RECORD

| MAP NO.                                        | JOB NO.                             | AEROTRI-<br>ANGULATION<br>POINT<br>NUMBER | COORDINATES IN FEET<br>STATE <u>South Carolina</u><br>ZONE <u>South</u> | GEOGRAPHIC POSITION<br>$\phi$ LATITUDE<br>$\lambda$ LONGITUDE | REMARKS |
|------------------------------------------------|-------------------------------------|-------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------|---------|
| STATION NAME                                   | SOURCE OF<br>INFORMATION<br>(Index) |                                           |                                                                         |                                                               |         |
| TP-00277 & TP-00278                            | PH-7101                             |                                           | N.A. 1927                                                               | ORIGINATING ACTIVITY                                          |         |
| BLOODY POINT RANGE<br>REAR LIGHT, 1964         | Vol. III<br>Pg. 431                 |                                           | X= $\phi$ 32° 03' 17.590"                                               |                                                               |         |
|                                                |                                     |                                           | Y= $\lambda$ 80° 50' 23.135"                                            |                                                               |         |
| FORT PULASKI, 1963                             | Quad 320-<br>803<br>STA 1044        |                                           | X= $\phi$ 32° 01' 38.952"                                               |                                                               |         |
|                                                |                                     |                                           | Y= $\lambda$ 80° 53' 27.569"                                            |                                                               |         |
| TYBEE LIGHTHOUSE,<br>1932                      | Quad 320-<br>803<br>STA 1052        |                                           | X= $\phi$ 32° 01' 19.301"                                               |                                                               |         |
|                                                |                                     |                                           | Y= $\lambda$ 80° 50' 44.985"                                            |                                                               |         |
| SAVANNAH BEACH MUNICI-<br>PAL WATER TANK, 1963 | Quad 320-<br>803<br>STA 1058        |                                           | X= $\phi$ 32° 00' 39.717"                                               |                                                               |         |
|                                                |                                     |                                           | Y= $\lambda$ 80° 50' 31.690"                                            |                                                               |         |
| JONES ISLAND RANGE<br>FRONT LIGHT, 1964        | Vol. III<br>Pg. 432                 |                                           | X= $\phi$ 32° 02' 30.954"                                               |                                                               |         |
|                                                |                                     |                                           | Y= $\lambda$ 80° 51' 10.695"                                            |                                                               |         |
| JONES ISLAND RANGE<br>REAR LIGHT, 1964         | Vol. III<br>Pg. 433                 |                                           | X= $\phi$ 32° 02' 39.669"                                               |                                                               |         |
|                                                |                                     |                                           | Y= $\lambda$ 80° 51' 40.736"                                            |                                                               |         |
| COCKSPUR LIGHTHOUSE,<br>1902                   | Quad 320-<br>803<br>STA 1055        |                                           | X= $\phi$ 32° 01' 20.912"                                               |                                                               |         |
|                                                |                                     |                                           | Y= $\lambda$ 80° 52' 48.601"                                            |                                                               |         |
| BLOOD, 1964                                    | Bridge Form<br>164,<br>Pg. 1        |                                           | X= 2,039,737.70 ft. $\phi$                                              |                                                               |         |
|                                                |                                     |                                           | Y= 90,977.31 ft. $\lambda$                                              |                                                               |         |
| BACK, 1931                                     | Bridge Form<br>164<br>Pg. 13        |                                           | X= 2,051,586.65 $\phi$                                                  |                                                               |         |
|                                                |                                     |                                           | Y= 115,820.52 $\lambda$                                                 |                                                               |         |
|                                                |                                     |                                           | X= $\phi$                                                               |                                                               |         |
|                                                |                                     |                                           | Y= $\lambda$                                                            |                                                               |         |
| COMPUTED BY F.R. Gustafson                     |                                     | DATE 11/15/73                             | COMPUTATION CHECKED BY L.B. Foltz                                       | DATE 11/15/73                                                 |         |
| LISTED BY                                      |                                     | DATE                                      | LISTING CHECKED BY                                                      | DATE                                                          |         |
| HAND PLOTTING BY                               |                                     | DATE                                      | HAND PLOTTING CHECKED BY                                                | DATE                                                          |         |

## DESCRIPTIVE REPORT CONTROL RECORD

| MAP NO.                              |                               | JOB NO.                         |                     | GEODETTIC DATUM          |                     | ORIGINATING ACTIVITY      |          |
|--------------------------------------|-------------------------------|---------------------------------|---------------------|--------------------------|---------------------|---------------------------|----------|
| TP-00277                             |                               | PH-7101                         |                     | N.A. 1927                |                     |                           |          |
| STATION NAME                         | SOURCE OF INFORMATION (Index) | AEROTRI-ANGULATION POINT NUMBER | COORDINATES IN FEET |                          | GEOGRAPHIC POSITION |                           | REMARKS  |
|                                      |                               |                                 | STATE               | ZONE                     | South Carolina      | φ LATITUDE<br>λ LONGITUDE |          |
| BLOOD AZIMUTH MARK, 1964             | Vol. III<br>Pg. 429           |                                 | x=                  |                          | φ 32° 05'           | 23.989"                   | —        |
|                                      |                               |                                 | y=                  |                          | λ 80° 52'           | 01.398"                   | —        |
| MOODY, 1932                          | Quad 320-803                  |                                 | x=                  |                          | φ 32° 01'           | 54.457"                   | —        |
|                                      | STA 1046                      |                                 | y=                  |                          | λ 80° 55'           | 56.253"                   | —        |
| JONES ISLAND RANGE FRONT LIGHT, 1964 | Vol. III<br>Pg. 432           |                                 | x=                  |                          | φ 32° 02'           | 30.954"                   | —        |
|                                      |                               |                                 | y=                  |                          | λ 80° 51'           | 10.695"                   | —        |
| JONES ISLAND RANGE REAR LIGHT, 1964  | Vol. III<br>Pg. 433           |                                 | x=                  |                          | φ 32° 02'           | 39.669"                   | —        |
|                                      |                               |                                 | y=                  |                          | λ 80° 51'           | 40.736"                   | —        |
| FUSKY (USE), 1932                    | Bridge Form 164               |                                 | x= 2,032,053.21     | ✓                        | φ                   |                           |          |
|                                      | Pg. 2                         |                                 | y= 101,680.36       | ✓                        | 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                          | F.R. Gustafson                | DATE                            | 11/15/73            | COMPUTATION CHECKED BY   | L.B. Foltz          | DATE                      | 11/15/73 |
| LISTED BY                            |                               | DATE                            |                     | LISTING CHECKED BY       |                     | DATE                      |          |
| HAND PLOTTING BY                     |                               | DATE                            |                     | HAND PLOTTING CHECKED BY |                     | DATE                      |          |

## COMPILATION REPORT

TP-00277

31. DELINEATION

The compilation was done by photo-reducing the 1:10,000 scale maps TP-00274 and TP-00278 and tracing the photo-reductions onto this map manuscript.

32. - 47.

See Compilation Reports for TP-00274 and TP-00278.

Submitted by:

*Charles Parker*  
Charles Parker  
Cartographic Aid  
January 30, 1974

Approved:

*Albert C. Rauck, Jr.*  
Albert C. Rauck, Jr.  
Chief, Coastal Mapping Section, AMC

19 August 1975

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

PH-7101 (Charleston, S. C. to Savannah, Ga.)

TP-00277

|                                |                                   |
|--------------------------------|-----------------------------------|
| Atlantic Ocean                 | Savannah River                    |
| Bloody Point                   | South Channel                     |
| Calibogue Sound                | Turtle Island                     |
| Cockspur Island                | Tybee Island                      |
| Daufuskie Island               | Tybee Knoll Spit                  |
| Fort Pulaski                   | Tybee National Wildlife<br>Refuge |
| Fort Pulaski National Monument |                                   |
| Fort Screven                   |                                   |
| Grenadier Shoal                |                                   |
| Horseshoe Shoal                |                                   |
| Lazaretto Creek                |                                   |
| Mungen Creek                   |                                   |
| New River                      |                                   |
| Oyster Bed Island              |                                   |
| Savannah Beach                 |                                   |

Approved by

  
Chas. E. Harrington  
Staff Geographer-C51x2

| NOAA FORM 75-74<br>(2-74)                                                                                                                                                 |                                                                                                             | U.S. DEPARTMENT OF COMMERCE<br>NOAA<br>NATIONAL OCEAN SURVEY                                  |                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------|
| PHOTOGRAMMETRIC OFFICE REVIEW                                                                                                                                             |                                                                                                             |                                                                                               |                                                      |
| TP-00277                                                                                                                                                                  |                                                                                                             |                                                                                               |                                                      |
| 1. PROJECTION AND GRIDS<br><br>FPM                                                                                                                                        | 2. TITLE<br><br>FPM                                                                                         | 3. MANUSCRIPT NUMBERS<br><br>FPM                                                              | 4. MANUSCRIPT SIZE<br><br>FPM                        |
| CONTROL STATIONS                                                                                                                                                          |                                                                                                             |                                                                                               |                                                      |
| 5. HORIZONTAL CONTROL STATIONS OF<br>THIRD-ORDER OR HIGHER ACCURACY<br><br>FPM                                                                                            | 6. RECOVERABLE HORIZONTAL STATIONS<br>OF LESS THAN THIRD-ORDER ACCURACY<br>(Topographic stations)<br><br>NA |                                                                                               | 7. PHOTO HYDRO STATIONS<br><br>FPM                   |
| 8. BENCH MARKS<br><br>NA                                                                                                                                                  | 9. PLOTTING OF SEXTANT<br>FIXES<br><br>X X                                                                  | 10. PHOTOGRAMMETRIC<br>PLOT REPORT<br><br>FPM                                                 | 11. DETAIL POINTS<br><br>FPM                         |
| ALONGSHORE AREAS (Nautical Chart Data)                                                                                                                                    |                                                                                                             |                                                                                               |                                                      |
| 12. SHORELINE<br><br>FPM                                                                                                                                                  | 13. LOW-WATER LINE<br><br>FPM                                                                               | 14. ROCKS, SHOALS, ETC.<br><br>FPM                                                            | 15. BRIDGES<br><br>FPM                               |
| 16. AIDS TO NAVIGATION<br><br>FPM                                                                                                                                         | 17. LANDMARKS<br><br>FPM                                                                                    | 18. OTHER ALONGSHORE<br>PHYSICAL FEATURES<br><br>FPM                                          | 19. OTHER ALONGSHORE<br>CULTURAL FEATURES<br><br>FPM |
| PHYSICAL FEATURES                                                                                                                                                         |                                                                                                             |                                                                                               |                                                      |
| 20. WATER FEATURES<br><br>FPM                                                                                                                                             |                                                                                                             | 21. NATURAL GROUND COVER<br><br>NA                                                            | 22. PLANETABLE CONTOURS<br><br>NA                    |
| 23. STEREOSCOPIC<br>INSTRUMENT CONTOURS<br><br>NA                                                                                                                         | 24. CONTOURS IN GENERAL<br><br>NA                                                                           | 25. SPOT ELEVATIONS<br><br>NA                                                                 | 26. OTHER PHYSICAL<br>FEATURES                       |
| CULTURAL FEATURES                                                                                                                                                         |                                                                                                             |                                                                                               |                                                      |
| 27. ROADS<br><br>FPM                                                                                                                                                      | 28. BUILDINGS<br><br>FPM                                                                                    | 29. RAILROADS<br><br>FPM                                                                      | 30. OTHER CULTURAL<br>FEATURES<br><br>FPM            |
| BOUNDARIES                                                                                                                                                                |                                                                                                             |                                                                                               |                                                      |
| 31. BOUNDARY LINES<br><br>NA                                                                                                                                              |                                                                                                             | 32. PUBLIC LAND LINES<br><br>NA                                                               |                                                      |
| MISCELLANEOUS                                                                                                                                                             |                                                                                                             |                                                                                               |                                                      |
| 33. GEOGRAPHIC NAMES<br><br>FPM                                                                                                                                           |                                                                                                             | 34. JUNCTIONS<br><br>FPM                                                                      | 35. LEGIBILITY OF THE<br>MANUSCRIPT<br><br>FPM       |
| 36. DISCREPANCY OVERLAY<br><br>FPM                                                                                                                                        | 37. DESCRIPTIVE REPORT<br><br>FPM                                                                           | 38. FIELD INSPECTION<br>PHOTOGRAPHS<br><br>FPM                                                | 39. FORMS<br><br>FPM                                 |
| 40. REVIEWER<br><br>Frank P. Margiotta Aug. 1974                                                                                                                          |                                                                                                             | SUPERVISOR, REVIEW SECTION OR UNIT<br><br><i>Albert C. Rauck, Jr.</i><br>Albert C. Rauck, Jr. |                                                      |
| 41. REMARKS (See attached sheet)                                                                                                                                          |                                                                                                             |                                                                                               |                                                      |
| FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT                                                                                                              |                                                                                                             |                                                                                               |                                                      |
| 42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43. |                                                                                                             |                                                                                               |                                                      |
| COMPILER F.P. Margiotta by transfer<br>from TP-00278 and TP-00274 Aug. 74<br>Reviewer: A.C. Rauck Aug. 74                                                                 |                                                                                                             | SUPERVISOR<br><i>Albert C. Rauck, Jr.</i><br>Albert C. Rauck, Jr.                             |                                                      |
| 43. REMARKS<br><br>Field edit applied from photo reductions of TP-00274 &<br>TP-00278.                                                                                    |                                                                                                             |                                                                                               |                                                      |

## FORESHORE CROSS-SECTIONS

CHARLESTON, SOUTH CAROLINA TO SAVANNAH, GEORGIA

JOB PH-7101

Sixteen foreshore cross-sections were taken between Folly Island, South Carolina, and Tybee Island, Georgia, a linear distance of approximately seventy miles. Twelve sections were positioned from triangulation and/or traverse stations and two sections, II and XIII, were located from photo points with sun azimuths. Section IX was located from a triangulation station using a photo point for an azimuth and section VII was run parallel to a relatively long pier.

Vertical control for sections I thru VI, VIII and IX was taken from the tide staff at Edisto Beach, South Carolina. Section VII was based on a temporary tide staff installed at Harbor River Entrance, South Carolina, and a temporary tide staff placed at Skull Creek (North Entrance) provided the control for sections X and XI. The remaining sections were based on the tide staff at Savannah River Entrance, Georgia.

The procedure, in establishing the TBM's used to control the individual sections, was to take a level reading on a recoverable object for use as a TBM, record it as a foresight, and then send the rodman into the water where the rod was used as a combination tide staff/level rod. After observing the water level on the rod for a period sufficient to determine a mean reading, a level reading was taken. The water level reading was subtracted from the level reading and the result entered in the field book as a backsight. Immediately, the instrument was moved, a new water level reading determined and another level reading obtained. Again the two were subtracted and the result entered as a foresight. The rodman was then sent back to the TBM to close the loop. The entries in the field book show this procedure reversed. This was done to avoid confusion as there didn't appear to be any adequate method of showing the actual procedure. The remainder of the operation was straightforward leveling with an angle and distance to the mean high and low water lines thrown in.

Time differences for each section were calculated in advance to eliminate any datum correction; for example, if a minus time were indicated for a particular section, then the water level readings on the tide staff/level rod would be obtained first and the man on the controlling tide staff informed of the time of the readings. The tide staff man would then wait the calculated length of time for the section involved before reading the controlling tide staff. For plus times, the procedure was reversed. Information was exchanged between the controlling tide staffs and the individual sections via radio. At sections I and XII, no radio communications were available. For these two sections, the controlling tide staff was read and recorded at fifteen minute intervals and the height of the water at the time of the water level readings computed at a later time.

As no specific instructions were given to the contrary, cross-section shots were taken of the foreshore at twenty, thirty, and sometimes, fifty foot intervals, depending on the length of the section. Whether they are necessary, or even wanted, is not known, but as they only took about five to ten minutes extra for each section, they were included anyway.

One typical section and three atypical sections were plotted to give the compiler an idea of what was done and to show the method of location. These sections, the field book, pricking cards, sun azimuths, color contact photographs and charts showing the individual section locations are included with this report.



Richard E. Kesselring  
Survey Tech.  
May 3, 1971

## REVIEW REPORT TP-00277

## SHORELINE

December 1975

The Review Reports for 1:10,000 scale maps TP-00274 and TP-00278 are also applicable to this map.

Reviewed by:

*Billy H. Barnes*

Billy H. Barnes  
Cartographer  
December, 1975

Approved for forwarding:

*Joseph W. Voracek*

*for* Victor E. Serena  
Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Div.