ORIGINAL

TP-00274

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-00274 ...

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR

TO REGISTRATION

NOAA FORM 76-36A (3-72) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

# DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY
- [X] ORIGINAL
- [ ] RESURVEY
- [ ] REVISED

SURVEY TP. 00274
MAP EDITION NO. (1)
MAP CLASS Final (F.E.)
JOB PH- 7101

PHOTOGRAMMETRIC OFFICE
Coastal Mapping Division(Norfolk)

OFFICER-IN-CHARGE
Jeffrey G. Carlen, Cdr.

LAST PRECEEDING MAP EDITION
TYPE OF SURVEY
- [ ] ORIGINAL
- [ ] RESURVEY
- [ ] REVISED

JOB PH- _____
MAP CLASS _____
SURVEY DATES:
19__ TO 19__

I. INSTRUCTIONS DATED

| 1. OFFICE | 2. FIELD |
|---|---|

NOAA FORM 76-36B
(3-72)

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

TP-00274

# COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC-8 "E" and "L"

TIDE STAGE REFERENCE: SAVANNAH RIVER ENT. (Hilton Head)

- [X] PREDICTED TIDES
- [ ] REFERENCE STATION RECORDS
- [X] TIDE CONTROLLED PHOTOGRAPHY

TYPES OF PHOTOGRAPHY LEGEND

- (C) COLOR X
- (P) PANCHROMATIC
- (I) INFRARED X

TIME REFERENCE

ZONE: Eastern — [X] STANDARD

MERIDIAN: 75th — [ ] DAYLIGHT

| | NUMBER AND TYPE | DATE | TIME | SCALE | STAGE OF TIDE |
|---|---|---|---|---|---|
| * | 71 E(I)2346 - 2348 | 3/30/71 | 09:01 | 1:30,000 | ± 0.2 ft. of MHW |
| * | 71 E(I)2260 - 2262 | 3/28/71 | 13:17 | 1:30,000 | ± 0.2 ft. of MLW |
| | 70 L(C)447A - 449A | 11/7/70 | 10:10 | 1:40,000 | 2.0 ft. above MLW |
| | 70 L(C)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 |
|---|---|---|---|
| TP-00271 | TP-00279 | TP-00278 TP-00277, TP-00279 | TP-00277 |

REMARKS

NOAA FORM 76-36B
(3-72)

* U.S. G.P.O. 1972-769381/568 REG.#6

3, a

NOAA FORM 76-36C
(3-72)

TP-00274

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

# HISTORY OF FIELD OPERATIONS

I. [X] FIELD INSPECTION OPERATION  [ ] FIELD EDIT OPERATION

| OPERATION | | NAME | DATE |
|---|---|---|---|
| 1. CHIEF OF FIELD PARTY | | J.K. Wilson | 4/71 |
| 2. HORIZONTAL CONTROL | RECOVERED BY | NA | |
| | ESTABLISHED BY | NA | |
| | PRE-MARKED OR IDENTIFIED BY | NA | |
| 3. VERTICAL CONTROL | RECOVERED BY | NA | |
| | ESTABLISHED BY | NA | |
| | PRE-MARKED OR IDENTIFIED BY | NA | |
| 4. LANDMARKS AND AIDS TO NAVIGATION | RECOVERED *(Triangulation Stations)* BY | NA | |
| | LOCATED *(Field Methods)* BY | NA | |
| | IDENTIFIED BY | NA | |
| 5. GEOGRAPHIC NAMES INVESTIGATION | TYPE OF INVESTIGATION: [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [ ] NO INVESTIGATION — BY | NA | |
| 6. PHOTO INSPECTION | CLARIFICATION OF DETAILS BY | NA | |
| 7. BOUNDARIES AND LIMITS | SURVEYED OR IDENTIFIED BY | NA | |

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED: None

2. VERTICAL CONTROL IDENTIFIED

| PHOTO NUMBER | STATION NAME | PHOTO NUMBER | STATION DESIGNATION |
|---|---|---|---|
| | | | |

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 [ ] 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 251



*U.S. GOVERNMENT PRINTING OFFICE: 1974 - 768-078

3.b.

NOAA FORM 76-36C
(3-72)

TP-00274

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

# HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION 1974

| OPERATION | | NAME | DATE |
|---|---|---|---|
| 1. CHIEF OF FIELD PARTY | | Ltjg. R.D. Black | Jan-May |
| 2. HORIZONTAL CONTROL | RECOVERED BY | Ltjg. R.D. Black | Jan-May |
| | ESTABLISHED BY | NA | |
| | PRE-MARKED OR IDENTIFIED BY | NA | |
| 3. VERTICAL CONTROL | RECOVERED BY | NA | |
| | ESTABLISHED BY | NA | |
| | PRE-MARKED OR IDENTIFIED BY | NA | |
| 4. LANDMARKS AND AIDS TO NAVIGATION | RECOVERED (*Triangulation Stations*) BY | NA | |
| | LOCATED (*Field Methods*) BY | Ltjg. R.D. Black | Jan-May |
| | IDENTIFIED BY | Ltjg. R.D. Black | Jan-May |
| 5. GEOGRAPHIC NAMES INVESTIGATION | TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION — BY | | |
| 6. PHOTO INSPECTION | CLARIFICATION OF DETAILS BY | Ltjg. R.D. Black | Jan-May |
| 7. BOUNDARIES AND LIMITS | SURVEYED OR IDENTIFIED BY | NA | |

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED: NONE

2. VERTICAL CONTROL IDENTIFIED

| PHOTO NUMBER | STATION NAME | PHOTO NUMBER | STATION DESIGNATION |
|---|---|---|---|
| | | | |

3. PHOTO NUMBERS (*Clarification of details*)

71 E 2261R and 2262R

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

| PHOTO NUMBER | OBJECT NAME | PHOTO NUMBER | OBJECT NAME |
|---|---|---|---|
| 71E2262R | Harbour Town Water Tank | | |
| 71E2262R | Harbour Town Lighthouse | | |

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE

6. 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 list of S.P. to G.P. conversions; 3 forms NOAA 76-40; 9 forms C&GS 157; 6 forms C&GS 758, one form C&GS 526.



★U. S. GOVERNMENT PRINTING OFFICE: 1973--768074/1057 REGION NO. 6

NOAA FORM 76-36D
(3-72)

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

TP-00274

# 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/ /74 | Class III Manu. Superseded | 2/4/74 | 1/21/74 Field edit |
| Compilation complete field edit applied | 6/ /74 | Class I Manuscript Superseded | 9/10/74 | |
| Final Review | 11/ /75 | | 1/30/76 | |
| | | | | |

## II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

| NUMBER | CHART LETTER NUMBER ASSIGNED | DATE FORWARDED | REMARKS |
|---|---|---|---|
| | 1160-74 | 9/5/74 | Aids to Navigation |
| | 1160-74 | 9/5/74 | Landmarks for Charts |
| | | | |
| | | | |
| | | | |
| | | | |

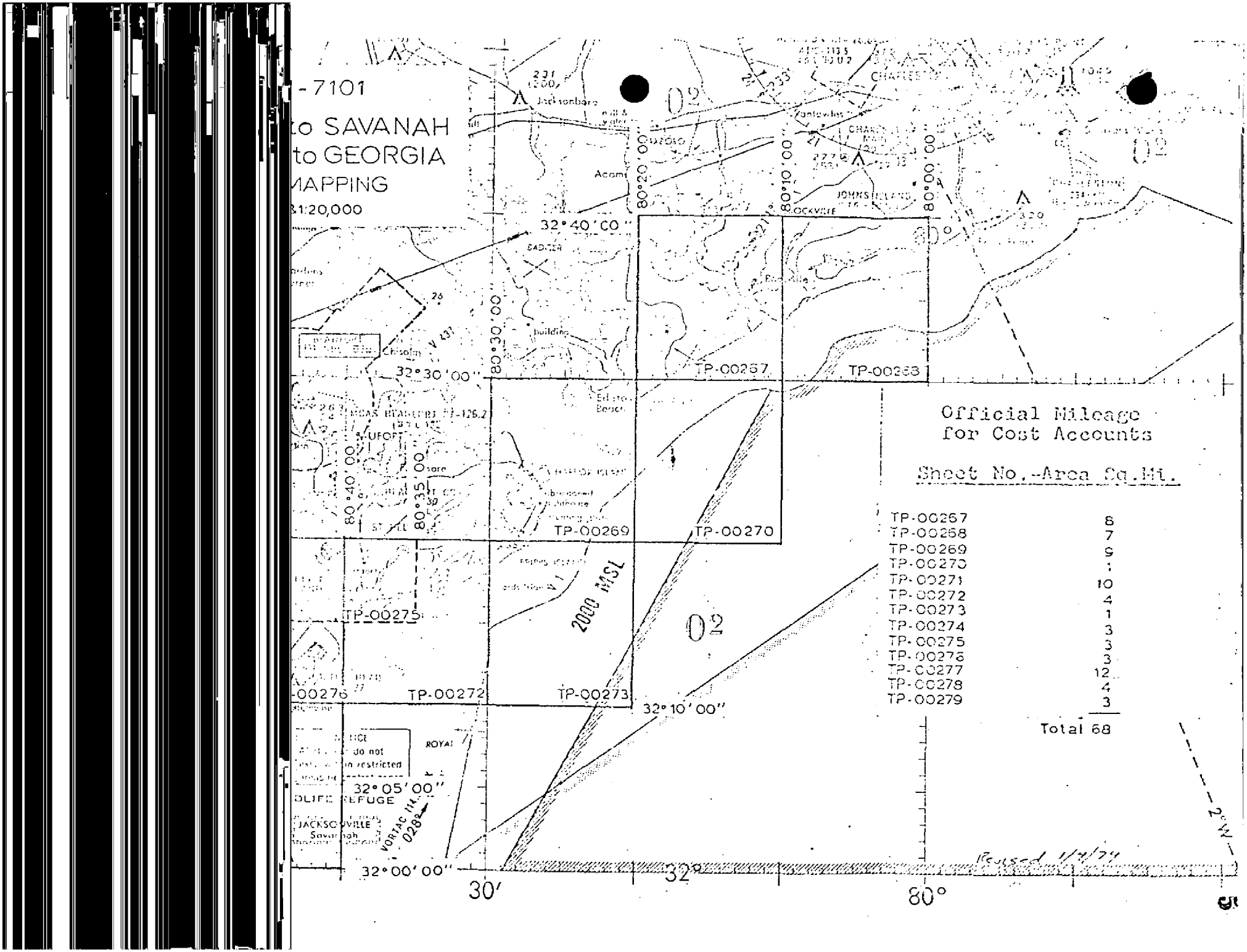
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 9/5/74
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS 76-40 ~~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:

[redacted]


-7101
to SAVANAH
to GEORGIA
MAPPING
1:20,000
32°40'00"
32°30'00"
32°10'00"
32°05'00"
32°00'00"
80°30'00
80°35'00
80°40'00
80°20'00
80°10'00
80°00'00
30'
32'
80°
TP-00267
TP-00268
TP-00269
TP-00270
TP-00272
TP-00273
TP-00275
2000 MSL
Official Mileage
for Cost Accounts
Sheet No.-Area Sq.Mi.
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 1/2/74

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT TP-00274

This 1:10,000 scale shoreline manuscript has its sheet limits within the boundaries of TP-00277 and TP-00279, two 1:20,000 scale manuscripts. It is one of nine 1:20,000 scale and four 1:10,000 scale shoreline manuscripts that comprise Project PH-7101, Charleston, SC to Savannah, GA. Project PH-7101 is one of several projects that make up SCOPE, the Southern Coastal Plains Expedition. It is not a standard shoreline survey because compilation was limited to the ocean shoreline and only a limited amount of interior detail. Shoreline of bays, inlets, canals or rivers that may be within the geographic limits of this map were not delineated. This deviation from written instructions was brought about by verbal instructions telephoned from the Rockville Office to the Chief, Coastal Mapping Section, AMC.

Field work prior to compilation consisted of taking a reference measurement to the mean high and mean low water lines and premarking horizontal control required for bridging.

Aerotriangulation was done in the Rockville office on the 1:40,000 scale color photography dated November 1970. Pass points common to the 1:30,000 scale infrared tide coordinated photography were dropped for ordering ratios.

Compilation was done at the Atlantic Marine Center in January 1974. The Wild B-8 Plotter, utilizing the 1:40,000 scale color bridging photography, was used to compile inshore planimetry and to drop shoreline pass points common to the 1:30,000 scale infrared tide controlled mean high and mean low water ratios. These ratios were then used to graphically compile the mean high and mean low water lines. The reference measurement referred to in Paragraph 2 was used to check the Photo interpretation of the mean high and mean low water lines.

Field edit was done in January and May, 1974.

Final review was done at the Atlantic Marine Center in November 1975.

The original manuscript is a stabilene sheet 5 minutes in latitude by 5 minutes in longitude.

A stable base copy and a negative of the final reviewed manuscript were forwarded for record and registry.

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

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

Robert B. Kelly

Approved and forwarded:

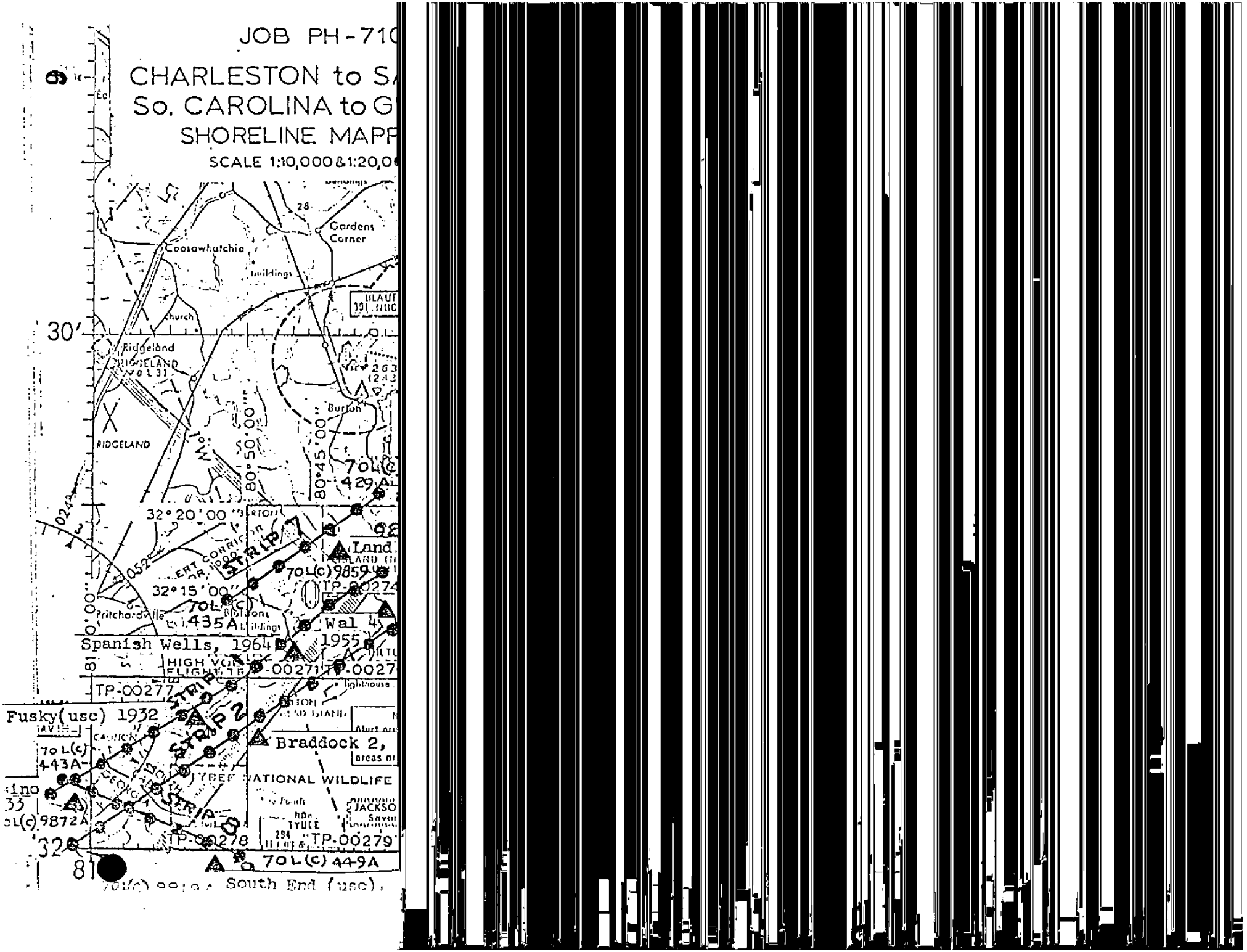
J. D. Perrow, Jr.
Chief, Aerotriangulation Section

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 |


JOB PH-71
CHARLESTON to S
So. CAROLINA to G
SHORELINE MAPP
SCALE 1:10,000&1:20,0
Gardens Corner
Coosawhatchie
buildings
Church
Ridgeland
RIDGELAND
Burton
30'
80°50'00"
80°45'00"
32°20'00"
32°15'00"
Pritchardville
Spanish Wells, 1964
1955
Wal
Land
70L(c)9859
70L(c) 435A
70L(c) 429A
70L(c) 449A
TP-00277
TP-00278
TP-00279
Fusky(use) 1932
Braddock 2,
NATIONAL WILDLIFE
JACKSO
South End (use),
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NOAA FORM 76-41
(6-75)

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

# DESCRIPTIVE REPORT CONTROL RECORD

| MAP NO. | JOB NO. | GEODETIC DATUM | ORIGINATING ACTIVITY |
|---|---|---|---|
| TP-00274 | PH-7101 | N.A. 1927 | |

| STATION NAME | SOURCE OF INFORMATION (Index) | AEROTRI-ANGULATION POINT NUMBER | COORDINATES IN FEET STATE South Carolina ZONE South | GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE | REMARKS |
|---|---|---|---|---|---|
| BLOOD, 1964 | Bridge Form 164, Pg. 15 | | x= 2,039,737.70<br>y= 90,977.31 | φ<br>λ | |
| BRAD, 1931 | Bridge Form 164, Pg. 13 | | x= 2,054,169.77<br>y= 102,085.27 | φ<br>λ | |
| DO, 1916 | Bridge Form 164, Pg. 13 | | x= 2,056,955.60<br>y= 101,126.21 | φ<br>λ | |
| FAR 2, 1931 | Bridge Form 164, Pg. 13 | | x= 2,056,292.81<br>y= 109,400.13 | φ<br>λ | |
| BLOOD AZIMUTH MARK, 1964 | Bridge Form 164, Pg. 15 | | x= 2,041,178.08<br>y= 93,405.93 | φ<br>λ | |
| BRADDOCK 2, 1968 | Bridge Form 164, Pg. 1 | | x= 2,054,895.28<br>y= 100,446.50 | φ<br>λ | |
| | | | x=<br>y= | φ<br>λ | |
| | | | x=<br>y= | φ<br>λ | |
| | | | x=<br>y= | φ<br>λ | |
| | | | x=<br>y= | φ<br>λ | |

| COMPUTED BY | DATE | COMPUTATION CHECKED BY | DATE |
|---|---|---|---|
| C. Blood | 1/18/74 | R.R. White | 1/21/74 |
| LISTED BY | DATE | LISTING CHECKED BY | DATE |
| HAND PLOTTING BY | DATE | HAND PLOTTING CHECKED BY | DATE |

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

COMPILATION REPORT

TP-00274

31. DELINEATION

Delineation was by the Wild B-8 stereoplotter.

Photography was adequate.

32. CONTROL

See the attached "Photogrammetric Plot Report," dated: December 10, 1973.

33. SUUPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

Alongshore details were delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

The mean high water line and mean low water lines were delineated from the tide controlled infrared photographs.

36. OFFSHORE DETAILS

The shoals were compiled from low water photography, without the aid of positioning by the B-8 stereoplotter.

37. LANDMARKS AND AIDS

Copies of Form 76-40 for 8 non-floating aids to navigation and 2 landmarks were forwarded to the Rockville, MD office on August 22, 1974.

38. CONTROL FOR FUTURE SURVEYS

No statement required

39. JUNCTIONS

See the attached Form 76-36b, item #5 of the Descriptive Report, concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement required

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with the following U.S. Geological Survey Quadrangle: SAVANNAH BEACH NORTH, SC-GA, dated 1955; revised 1971, scale 1:24,000.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey Charts:

#440 SAVANNAH RIVER and WASSAW SOUND, scale 1:40,000, 38th edition, dated Aug. 4, 1973.
#571 PORT ROYAL SOUND, scale 1:40,000, 17th edition, dated April 8, 1972.
#1240 ST. HELENA SOUND to SAVANNAH RIVER, scale 1:80,000, 9th edition, dated May 9, 1970 (corrected thru N M 19/1970).

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

C.E. Blood

C.E. Blood
Cartographic Technician
January 18, 1974

Approved:

Albert C. Rauck, Jr.

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

# ADDENDUM TO THE COMPILATION REPORT

TP-00274

## FIELD EDIT

Field edit was adequate. All questions were resolved.

19 August 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00274

Atlantic Ocean

Barrett Shoals

Braddock Cove

Braddock Point

Calibogue Sound

Daufuskie Island

Grenadier Shoal

Hilton Head Island

Mungen Creek

New River

South Sea Pines

Approved by

Chas. E. Harrington

Chas. E. Harrington
Staff Geographer-C51x2

NOAA FORM 75-74
(2-74)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL OCEAN SURVEY

# PHOTOGRAMMETRIC OFFICE REVIEW

TP-00274

| 1. PROJECTION AND GRIDS | 2. TITLE | 3. MANUSCRIPT NUMBERS | 4. MANUSCRIPT SIZE |
|---|---|---|---|
| RRW | RRW | | |

**CONTROL STATIONS**

| 5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY | 6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY *(Topographic stations)* | 7. PHOTO HYDRO STATIONS |
|---|---|---|
| RRW | NA | |

| 8. BENCH MARKS | 9. PLOTTING OF SEXTANT FIXES | 10. PHOTOGRAMMETRIC PLOT REPORT | 11. DETAIL POINTS |
|---|---|---|---|
| NA | | RRW | |

**ALONGSHORE AREAS** *(Nautical Chart Data)*

| 12. SHORELINE | 13. LOW-WATER LINE | 14. ROCKS, SHOALS, ETC. | 15. BRIDGES |
|---|---|---|---|
| RRW | RRW | RRW | |

| 16. AIDS TO NAVIGATION | 17. LANDMARKS | 18. OTHER ALONGSHORE PHYSICAL FEATURES | 19. OTHER ALONGSHORE CULTURAL FEATURES |
|---|---|---|---|
| | RRW | RRW | RRW |

**PHYSICAL FEATURES**

| 20. WATER FEATURES | 21. NATURAL GROUND COVER | 22. PLANETABLE CONTOURS |
|---|---|---|
| RRW | NA | NA |

| 23. STEREOSCOPIC INSTRUMENT CONTOURS | 24. CONTOURS IN GENERAL | 25. SPOT ELEVATIONS | 26. OTHER PHYSICAL FEATURES |
|---|---|---|---|
| NA | NA | NA | |

**CULTURAL FEATURES**

| 27. ROADS | 28. BUILDINGS | 29. RAILROADS | 30. OTHER CULTURAL FEATURES |
|---|---|---|---|
| RRW | | | |

**BOUNDARIES**

| 31. BOUNDARY LINES | 32. PUBLIC LAND LINES |
|---|---|
| NA | NA |

**MISCELLANEOUS**

| 33. GEOGRAPHIC NAMES | 34. JUNCTIONS | 35. LEGIBILITY OF THE MANUSCRIPT |
|---|---|---|
| RRW | RRW | RRW |

| 36. DISCREPANCY OVERLAY | 37. DESCRIPTIVE REPORT | 38. FIELD INSPECTION PHOTOGRAPHS | 39. FORMS |
|---|---|---|---|
| RRW | RRW | | RRW |

| 40. REVIEWER | SUPERVISOR, REVIEW SECTION OR UNIT |
|---|---|
| Richard R. White 1/21/74 | Albert C. Ranck 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 | SUPERVISOR |
|---|---|
| L.O. Neterer 6/1974<br>Checked by: R.R. White 6/1974 | Albert C. Ranck Jr. |

43. REMARKS

Field edit applied from: Field edit ozalid, Forms 76-40 Forms 157 and field photos 71 E 2261R and 2262



SUPERSEDES C&GS FORM 1002 WHICH MAY BE USED UNTIL EXISTING STOCK IS DEPLETED.

# 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 proceedure, in establishing the TTBM's used to control the individual sections, was to take a level reading on a recoverable object for use as a TTBM, 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 TTBM to close the loop. The entries in the field book show this proceedure reversed. This was done to avoid confusion as there didn't appear to be any adequate method of showing the actual proceedure. 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 proceedure 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

FIELD EDIT REPORT

TP-00274

Calibogue Sound, South Carolina
PH-7101
May, 1974

51. METHODS

All field work was done in accordance with the AMC Manual, current Photo Instruction and Project Instructions OPR-436-WH-74, "Coasts of South Carolina and Georgia" dated November 16, 1973 addressed to Chief, Atlantic Hydrographic Party.

An inspection of all shoreline and alongshore features was made, and all deletions, additions, corrections, and verifications are either shown or indexed on the field edit ozalid. All field edit notes are in violet to indicate additions or changes, and in green to indicate deletions.

The positions of the seven daybeacons (lat. 32°07.3', long. 80° 49.4') and two piles (lat. 32°07.3', long. 80°50.4') were determined by theodolite intersection. The positions of the landmark lighthouse (lat. 32°08.3', long. 80°49.0') and water tank (lat. 32°08.0', long. 80°48.3') were determined by theodolite intersection by Photo Party 62 in 1973.

52. ADEQUACY OF COMPILATION

Compilation of shoreline and alongshore features was generally adequate, except as noted below. Compilation will be complete when field edit notes are applied.

The MHWL along an area compiled as marsh (lat. 32°06.6', long. 80°50.9') should be changed as noted on the field edit ozalid. This area is mud and is covered at MHW.

54. RECOMMENDATIONS

None.

56. GEOGRAPHIC NAMES

No discrepencies were found while editing this sheet.

57. LANDMARKS AND NONFLOATING AIDS TO NAVIGATION

Two landmarks, a privately operated lighthouse and a water tank, and seven daybeacons are recommended for charting. The seven daybeacons are privately maintained and are grouped at the entrance to a private marina at South Sea Pines Plantation on Hilton Head

Island. The privately maintained lighthouse is recommended as a landmark rather than an aid to navigation due to its infrequent and irregular operation. NOAA forms 76-40 have been completed for the above items.

58. FIELD EDITORS

Field edit was performed by LT. (j.g.) Richard D. Black and Mr. Michael F. Sutphin of Photo Party 61.

Respectfully Submitted,

Richard D. Black

Richard D. Black
LT. (j.g.) NOAA
Chief, Photo Party 61

NOAA FORM 76-40 (2-71)
PRESCRIBED BY PHOTOGRAMMETRY INSTRUCTION NO. 64.

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

# NONFLOATING AIDS [redacted] FOR CHARTS

ORIGINATING ACTIVITY
- ☐ FIELD INSPECTION
- ☐ FIELD EDIT
- ☒ COMPILATION
- ☐ FINAL REVIEW
- ☐ QUALITY CONTROL AND REVIEW

(See reverse for responsible personnel)

☒ TO BE CHARTED
☐ TO BE DELETED

ORIGINATING LOCATION: Coastal Mapping Division, Norfolk, VA

DATE: June, 1974

The following objects have ([redacted]) been inspected from seaward to determine their value as landmarks:

JOB NUMBER: PH- 7101

STATE: South Carolina

SURVEY NUMBER: TP-00279, TP- 00274

DATUM: NA 1927

POSITION

| CHARTING NAME | DESCRIPTION | LATITUDE ° ′ | LATITUDE ″ D.M.METERS | LONGITUDE ° ′ | LONGITUDE ″ D.P.METERS | METHOD AND DATE OF LOCATION (See instructions on reverse of this form): FIELD INSPECTION | COMPILATION | FIELD EDIT | CHARTS AFFECTED |
|---|---|---|---|---|---|---|---|---|---|
| DAY BEACON | Baynard Cove Creek Daybeacon #1 (Priv. Maint) | 32 07 | 22.217<br>684.3 | 80 49 | 30.630<br>803.0 | | | F.3.a.<br>8 Mar. 1974 | 839-SC 440<br>571 1240 |
| DAY BEACON | Baynard Cove Creek Daybeacon #4 (Priv. Maint) | 32 07 | 23.967<br>738.2 | 80 49 | 28.247<br>740.5 | | | F.3.a.<br>8 Mar. 1974 | 839-SC 440<br>571 1240 |
| DAY BEACON | Baynard Cove Creek Daybeacon #6 (Priv. Maint) | 32 07 | 27.332<br>841.9 | 80 49 | 24.024<br>629.8 | | | F.3.a.<br>8 Mar. 1974 | 839-SC 440<br>571 1240 |
| DAY BEACON | Wakely Cove Channel Daybeacon #2 (Priv. Maint) | 32 07 | 20.506<br>631.6 | 80 49 | 32.709<br>857.5 | | | F.3.a.<br>8 Mar. 1974 | 839-SC 440<br>571 1240 |
| DAY BEACON | Wakely Cove Channel Daybeacon #4 (Priv. Maint) | 32 07 | 19.248<br>592.9 | 80 49 | 29.894<br>783.7 | | | F.3.a.<br>8 Mar. 1974 | 839-SC 440<br>571 1240 |
| DAY BEACON | Wakely Cove Channel Daybeacon #6 (Priv. Maint) | 32 07 | 18.014<br>554.8 | 80 49 | 27.099<br>710.4 | | | F.3.a.<br>8 Mar. 1974 | 839-SC 440<br>571 1240 |
| DAY BEACON | Wakely Cove Channel Daybeacon #7 (Priv. Maint) | 32 07 | 18.727<br>576.8 | 80 49 | 25.771<br>675.6 | | | F.3.a.<br>8 Mar. 1974 | 839-SC 440<br>571 1240 |
| LIGHT | Harbour Town Light HT (Tower ht.=95(101) ft, (Light does not function regularly)) | 32 08 | 18.371<br>565.9 | 80 48 | 46.018<br>1206.2 | F.3.a.<br>1973 | 71E(I)<br>2349<br>3/30/71 | Verif.<br>8 Mar. 1974 | 839-SC 440<br>571 |
| | | | | | | | | | |
| | | | | | | | | | |

NOAA FORM 76-40
(2-71)
PRESCRIBED BY
PHOTOGRAMMETRY INSTRUCTION NO. 64.

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

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- ☐ FIELD INSPECTION
- ☐ FIELD EDIT
- ☒ COMPILATION
- ☐ FINAL REVIEW
- ☐ QUALITY CONTROL AND REVIEW

(See reverse for responsible personnel)

☒ TO BE CHARTED
☐ TO BE DELETED

ORIGINATING LOCATION: Coastal Mapping Division, Norfolk, VA

DATE: June, 1974

The following objects have (~~have not~~) been inspected from seaward to determine their value as landmarks:

JOB NUMBER: PH- 7101

STATE: South Carolina

SURVEY NUMBER: TP-00279 TP-00274

DATUM: N.A. 1927

POSITION

| CHARTING NAME | DESCRIPTION | LATITUDE ° ′ | LATITUDE ″ O.M.METERS | LONGITUDE ° ′ | LONGITUDE ″ O.P.METERS | METHOD AND DATE OF LOCATION (See instructions on reverse of this form) FIELD INSPECTION | COMPILATION | FIELD EDIT | CHARTS AFFECTED |
|---|---|---|---|---|---|---|---|---|---|
| TANK | Steel Ht. 142 (148) ft. | 32 07 | 59.938<br>1846.2 | 80 48 | 14.811<br>388.3 | F.3.a.<br>1973 | 71E(I)<br>2349<br>3/30/71 | Verif.<br>8 Mar. 1974 | 440 839-SC<br>571<br>1240 |
| TOWER | (Harbour Town Light HT) ht= 95(101) ft (Light does not function regularly) | 32 08 | 18.371<br>565.9 | 80 48 | 46.018<br>1206.2 | F.3.a.<br>1973 | 71E(I)<br>2349<br>3/30/71 | 8 Mar. 1974 | 839-SC<br>440, 571<br>1240 |
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002

REVIEW REPORT TP-00274

SHORELINE

November 1975

61. GENERAL STATEMENT:

See Summary, which is page six of this Descriptive Report.

A comparison print showing differences noted in paragraphs 62, 63 and 65 is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with T-12620 and T-12621, both dated December 1965, and at 1:20,000 scale. Significant differences are shown in blue on the comparison print. In the areas covered, TP-00274 supersedes T-12620 and T-12621 for nautical chart construction purposes. T-12620 and T-12621 are the latest registered prior surveys of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with U.S.G.S. Quadrangles SAVANNAH BEACH NORTH, SC-GA and FORT PULASKI, SC-GA, both at a 1:24,000 scale, dated 1955, photo-revised 1971 and BLUFFTON, SC, dated 1956, photo-revised 1971 at a scale of 1:24,000. Significant differences are shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the smooth sheet H-9459(AHP-10-5-74) at a scale of 1:10,000, dated 1974. No differences were noted.

65. COMPARISON WITH NAUTICAL CHARTS

The area covered by this map is within the limits of NOS Chart 11512, scale 1:40,000, 40th edition, dated June 1975.

A visual comparison was made and the significant differences are shown in red on the comparison print.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Project Instructions except as explained in Summary and meets the requirements for Bureau Standards and the National Standards of Map Accuracy.

Reviewed by:

Billy H. Barnes
Cartographer
November, 1975

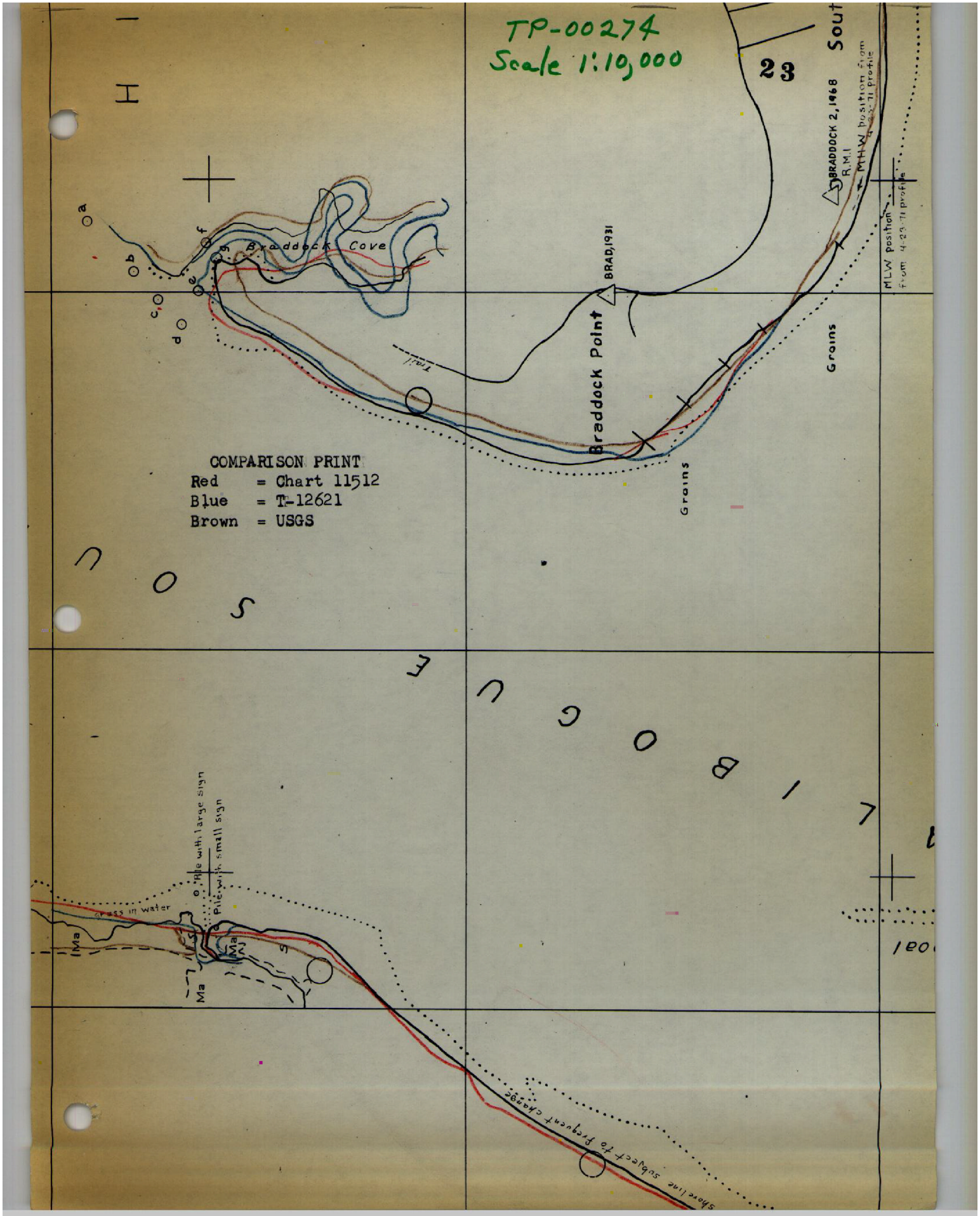
Approved for forwarding:

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division


TP-00274
Scale 1:10,000
23
BRADDOCK 2, 1968
R.M.I
MLW position from 4-29-71 profile
Braddock Point
BRAD, 1931
Grains
Braddock Cove
COMPARISON PRINT
Red = Chart 11512
Blue = T-12621
Brown = USGS
Pile with large sign
Pile with small sign
grass in water
Shore line subject to frequent change