

TP-00193

TP-00193

| | |
|---|------------------|
| NOAA FORM 76-35 (3-76) | |
| U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY | |
| DESCRIPTIVE REPORT | |
| THIS MAP EDITION WILL NOT BE FIELD EDITED | |
| Map No. TP-00193 | Edition No. 1 |
| Job No. CM-7804 | |
| Map Classification CLASS III (FINAL) | |
| Type of Survey SHORELINE | |
| LOCALITY | |
| State GEORGIA-FLORIDA | |
| General Locality KINGS BAY TO ST. MARYS ENTRANCE | |
| Locality KINGS BAY, HEAD OF | |
| 1978 TO 19 | |
| REGISTRY IN ARCHIVES | |
| DATE | |

| | | | |
|--|--|---|--------------------------------------|
| NOAA FORM 76-36A (3-72) | | U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. | |
| DESCRIPTIVE REPORT - DATA RECORD | | TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED | |
| PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, Norfolk, VA | | SURVEY TP. <u>00193</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final Class</u> JOB <u>CM-7804</u> | |
| OFFICER-IN-CHARGE Roy K. Matsushige, CDR | | LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__ | |
| I. INSTRUCTIONS DATED | | | |
| 1. OFFICE | | 2. FIELD | |
| Aerotriangulation May 5, 1978 Compilation June 22, 1978 Amendment #1 August 17, 1978 Amendment #2 December 4, 1978 Registration Memo July 14, 1983 | | Control Identification April 28, 1978 | |
| II. DATUMS | | | |
| 1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN | | OTHER (Specify) | |
| 2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input checked="" type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL | | OTHER (Specify) | |
| 3. MAP PROJECTION Transverse Mercator | | 4. GRID(S) STATE Georgia ZONE East | |
| 5. SCALE 1:2,500 | | STATE ZONE | |
| III. HISTORY OF OFFICE OPERATIONS | | | |
| OPERATIONS | | NAME | DATE |
| 1. AEROTRIANGULATION BY METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY | | S. Solbeck | July 1978 |
| 2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Coradomat</u> CHECKED BY | | S. Solbeck S. Solbeck | July 1978 July 1978 |
| 3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: <u>Wild B-8</u> CONTOURS BY SCALE: <u>1:2,500</u> CHECKED BY | | R. Kravitz L. Neterer NA NA | Sept. 1978 Sept. 1978 |
| 4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: <u>Smooth Draft and Graphic</u> CONTOURS BY CHECKED BY SCALE: <u>1:2,500</u> HYDRO SUPPORT DATA BY CHECKED BY | | R. Kravitz A. Rauck NA NA NA NA | Sept. 1978 Sept. 1978 |
| 5. OFFICE INSPECTION BY BY | | A. Rauck | Sept. 1978 |
| 6. APPLICATION OF FIELD DATA DATA BY | | R. Kravitz | March 1979 |
| 7. COMPILATION SECTION REVIEW BY | | C. Blood | March 1979 |
| 8. FINAL REVIEW <u>Class III</u> BY | | C. Blood | March 1979 |
| 9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY | | J. Hancock | August 1983 |
| 10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY | | J. Hancock | Oct. 1983 |
| 11. MAP REGISTERED - COASTAL SURVEY SECTION BY | | P. Hawkins | June 1984 |
| 11. MAP REGISTERED - COASTAL SURVEY SECTION BY | | E DAUGHERTY | Nov 1984 |

TP-00193
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

| | | | | | |
|--|-----------|---|-----------|-------------------------------------|---|
| CAMERA(S) Wild R.C. -8 "E" and "K" "E" = 152.71 mm; "K" = 151.77 mm | | TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED | | TIME REFERENCE | |
| TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY | | | | ZONE Eastern MERIDIAN 75th | <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT |
| NUMBER AND TYPE | DATE | TIME | SCALE | STAGE OF TIDE | |
| 78E(P) 8242-8245 ✓ | 3/23/78 ✓ | 14:02 ✓ | 1:7,500 ✓ | 0.2 ft. below MLW ✓ | |
| 78K(I) 3247-3248 ✓ | 3/23/78 ✓ | 14:02 ✓ | 1:7,500 ✓ | 0.2 ft. below MLW ✓ | |
| | | | | mean range = 6.3 ft. ✓ | |

REMARKS

Panchromatic and infrared photographs taken in tandem. ✓

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high-water line was compiled from office interpretation of the compilation photographs taken with the "E" camera.

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

The mean low water line was compiled graphically from the tide coordinated infrared photographs. These were coordinated to predicted tides and taken with the "K" camera.

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-00194 | TP-00195 | No survey |

REMARKS

TP-00193

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION (Hor. Cont.) ☐ FIELD EDIT OPERATION

| OPERATION | NAME | DATE |
|-------------------------------------|--|----------------------|
| 1. CHIEF OF FIELD PARTY | R. Tibbetts | May 1978 |
| 2. HORIZONTAL CONTROL | RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY | None None None |
| 3. VERTICAL CONTROL | RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY | NA NA NA |
| 4. LANDMARKS AND AIDS TO NAVIGATION | RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY | None None None |
| 5. GEOGRAPHIC NAMES INVESTIGATION | TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION | |
| 6. PHOTO INSPECTION | CLARIFICATION OF DETAILS BY | None |
| 7. BOUNDARIES AND LIMITS | SURVEYED OR IDENTIFIED BY | NA |

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

NA

| 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 ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

1 Project Field Report

Geographic positions of hydrographic signal sites, June/July 1978.

TP-00193
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION ☒ FIELD ~~INSPECTION~~ OPERATION (See Note, Item #8)

| OPERATION | NAME | DATE |
|-------------------------------------|---|-----------|
| 1. CHIEF OF FIELD PARTY | A. Bryson | Nov. 1978 |
| 2. HORIZONTAL CONTROL | RECOVERED BY A. Bryson | Nov. 1978 |
| | ESTABLISHED BY None | |
| | PRE-MARKED OR IDENTIFIED BY None | |
| 3. VERTICAL CONTROL | RECOVERED BY None | |
| | ESTABLISHED BY None | |
| | PRE-MARKED OR IDENTIFIED BY None | |
| 4. LANDMARKS AND AIDS TO NAVIGATION | RECOVERED (Triangulation Stations) BY None | |
| | LOCATED (Field Methods) BY None | |
| | IDENTIFIED BY None | |
| 5. GEOGRAPHIC NAMES INVESTIGATION | TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY BY <input checked="" type="checkbox"/> NO INVESTIGATION | |
| 6. PHOTO INSPECTION | CLARIFICATION OF DETAILS BY A. Bryson | Nov. 1978 |
| 7. BOUNDARIES AND LIMITS | SURVEYED OR IDENTIFIED BY NA | |

II. SOURCE DATA

| 1. HORIZONTAL CONTROL IDENTIFIED | | 2. VERTICAL CONTROL IDENTIFIED | |
|---|--------------|--|---------------------|
| None | | None | |
| 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: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE | | 6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE | |
| 7. SUPPLEMENTAL MAPS AND PLANS | | | |
| None | | | |

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

1 Paper Field Discrepancy Print

Note: Segmented field activity performed to identify questionable features for post photogrammetric processing.

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00193
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

| COMPILATION STAGES | | | DATE MANUSCRIPT FORWARDED | |
|-----------------------------------|-------------|----------------------|---------------------------|---------------|
| DATA COMPILED | DATE | REMARKS | MARINE CHARTS | HYDRO SUPPORT |
| Compilation complete | Sept. 1978 | Class III manuscript | Oct. 1978 | Oct. 1978 |
| Various field information applied | March 1979 | Class III manuscript | None | None |
| Final Review, Class III | August 1983 | Final Class III Map | APR 1984 | |
| | | | | |

II. LANDMARKS AND AIDS TO NAVIGATION None

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

| NUMBER | CHART LETTER NUMBER ASSIGNED | DATE FORWARDED | REMARKS |
|--------|---------------------------------|-------------------|--------------|
| | | | None charted |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

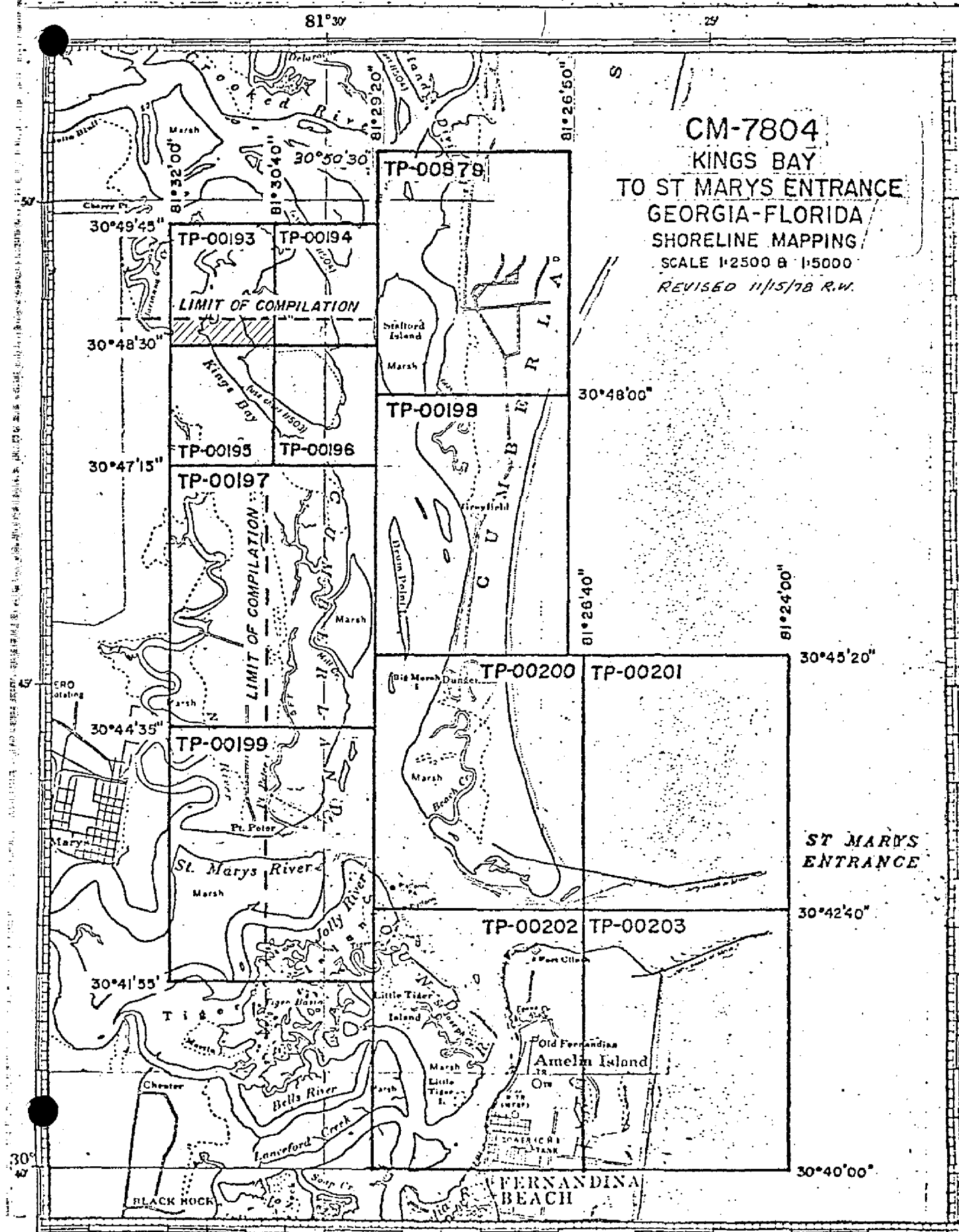
III. FEDERAL RECORDS CENTER DATA

1. ☐ BRIDGING PHOTOGRAPHS; ☐ DUPLICATE BRIDGING REPORT; ☐ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 3876 SUBMITTED BY FIELD PARTIES. 76-40
 3. ☐ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:
 4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

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

NOAA FORM 76-36D



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00193

This 1:2,500 scale final Class III shoreline map is one of twelve maps that comprise project CM-7804, Kings Bay to St. Marys Entrance, Florida-Georgia. The project consists of four 1:2,500 scale maps, TP-00193 through TP-00196 and eight 1:5,000 scale maps, TP-00197 through TP-00203 and TP-00879.

The purpose of this project is to provide current charting information for nautical chart maintenance and to furnish support data for hydrographic operations.

This Class III map defines the northwest limit of the project and includes portrayal of the shoreline along the lower portion of Kings Bay.

Photo coverage was adequately provided by panchromatic photography taken with the "E" camera in March/April 1978 at scales 1:30,000, 1:15,000 and 1:7,500. This photography was used for aerotriangulation and compilation. Supplemental infrared photography, taken with the "K" camera at scales 1:15,000 and 1:7,500 were exposed at mean low water in tandem with the compilation photographs. All tide-coordinated photographs were based on predicted tide data.

Field work prior to compilation was accomplished in May 1978; this involved the establishment of horizontal control by field photoidentification methods to meet aerotriangulation requirements. Additional field activity in June/July 1978 involved determining geographic positions for hydrographic signal sites and for fixed navigational aids.

Analytic aerotriangulation was adequately provided by the Washington Science Center in July 1978. This included the extension of photo control, ruling the base manuscripts and determining ratio values for the photographs.

Compilation of the original Class III manuscript was accomplished in September 1978 by the Coastal Mapping Unit at the Atlantic Marine Center. Problems concerning delineation of the apparent shoreline are addressed in Item #35 of the Compilation Report. Copies of the unreviewed Class III map were forwarded to Marine Charts and to the hydrographer which had commenced hydrographic activity in the mapping area.

No standard field edit operation was accomplished for this map: However, a field investigation was performed in November 1978 to define questionable features not identifiable from the photographs. This data was utilized only to complement the original office interpretation and was applied in March 1979 as a post photogrammetric function.

TP-00193

Final review was performed at the Atlantic Marine Center in August 1983. A comparison with the contemporary hydrographic survey indicated various shoreline discrepancies associated with the delineation of the apparent mean high water line. This conflict results from the vegetation (marsh grass) which covers at high water and still permits small craft navigation. A line of demarcation is not distinguishable by photo interpretation and could be feasibly delineated anywhere in the foreshore. To minimize those major shoreline conflicts, as indicated by the hydrographic survey, stereo instrument recompilation was accomplished relying completely on vertical measurements based on the predicted mean tide range.

A final Chart Maintenance Print was prepared and forwarded to the Marine Chart Branch. Also a hydrographic print was prepared for the Hydrographic Surveys Branch.

This Descriptive Report contains all pertinent information used to compile this Final Class III map. The original base manuscript and all related data were forwarded to the Washington Science Center for final registration.

FIELD INSPECTION

TP-00193

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and photo identification of the horizontal control necessary for the aerotriangulation of the project. Control was determined by the "substitute station" method.

Additional field activity included determining signal sites for the hydrographer and locating various nonfloating aids.

KINGS BAY TO ST. MARY'S ENTRANCE

GEORGIA - FLORIDA

SHORELINE MAPPING

GENERAL

In accordance with a letter from Richard H. Houlder, Associate Director, Marine Surveys and Maps, dated April 28, 1978, photo identification of Horizontal Control Stations for Aerotriangulation was performed by Photo Party 62.

Recovery of Horizontal Stations were limited to those needed, as indicated on the control requirement diagram. Existing stations were used in each circled area except for area # 1. The stations in the circle could not be recovered, or were destroyed. Station Causeway, U.S.E., 1933 was substituted.

HORIZONTAL CONTROL PHOTO-IDENTIFICATION

The 1978 photographs of Kings Bay to St. Mary's Entrance was excellent and no difficulty was encountered in selection of, and picking of photo-stations in that area.

CIRCLE NO. 1

Three substitute stations were photo-identified on photograph No. 78 E 8773. Station Causeway, U.S.E., 1933 was occupied to locate sub-stations.

CIRCLE NO. 2

Two substitute stations were photo-identified on photograph No. 78 E 8794. Station Amelia Lighthouse, 1905 was occupied to locate sub-stations.

JOB CM-7804

CIRCLE NO. 3

Two substitute stations were photo-identified on photograph No. 78 E 8792. Station Gun, U.S.E., 1954 was occupied to locate sub-stations.

CIRCLE NO. 4

Two substitute stations were photo-identified on photograph No. 78 E 8777. Station Hammock 2, 1954 was occupied to locate sub-stations.

CIRCLE NO. 5

Three substitute stations were photo-identified on photograph No. 78 E 8780. Station Forsaken 2, 1933 was occupied to locate sub-stations.

CIRCLE NO. 6

Three substitute stations were photo-identified on photograph No. 78 E 8786. Station Crooked, 1905 - 1933 was occupied to locate sub-stations.

All Control Station Identification cards, photographs, Recovery Notes, computations, and field data are enclosed.

Respectfully submitted:

Ronald E. Ledbetter

Ronald E. Ledbetter

Approved and Forwarded:

Robert S. Tibbetts
Robert S. Tibbetts
Chief, Photo Party 62

Photogrammetric Plot Report

CM-7804

Kings Bay to St. Mary Entrance
Florida-Georgia
July 1978

21. Area Covered

The area surrounding the entrance to St. Marys River, inland to the community of St. Marys, north Kings Bay and south to Fernandina Beach. The area is covered by eleven manuscripts; Four (4) 1:2,500 (TP-00193 through TP-00196) and seven (7) 1:5,000 (TP-00197 through TP-00203).

22. Method

Two strips of 1:30,000 scale black and white photography were bridged by analytic aerotriangulation methods. Control was field identified. Office control was used as a check.

Tie points were used to ensure adequate junctioning between all bridging strips.

Common points were located on the 1:30,000 scale photography and the 1:7,500 scale photography. Their purpose was to provide control for the latter photography. A block adjustment was used on the 1:7,500 scale photography to ensure that the transferred points provided adequate control for the 1:2,500 scale manuscripts.

Common points were located on the 1:15,000 scale black and white photography for compilation purposed. These points were also used to provide ratio values for the 1:15,000 scale infrared photography which was flown in tandem with the compilation photography.

Ratio values for the 1:7,500 scale infrared photography were derived from pass points on the 1:7,500 scale bridging photography, as the two were flown in tandem.

All strip adjustments were based on Georgia East Zone coordinates.

Ratio prints on the infrared photography have been ordered.

Manuscripts were ruled on the Coradomat.

23. Adequacy of Control

The control provided was adequate and meets the requirements for National Standards of Map Accuracy.

Station Forsaken 2 contained three sub-stations, of which only one was able to be measured accurately. The other two were apparently not located correctly by the field party and were dropped from the adjustment.

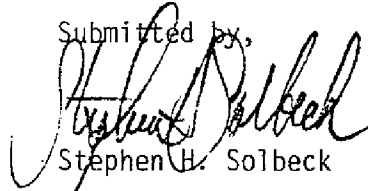
24. Supplemental Data

USGS quads were used to provide vertical control for the strip adjustments. Nautical charts 11502 and 11503 were used to locate Aids and Landmarks.

25. Photography

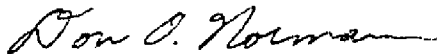
The coverage, overlap, and quality of the photography were adequate for the job.

Submitted by,



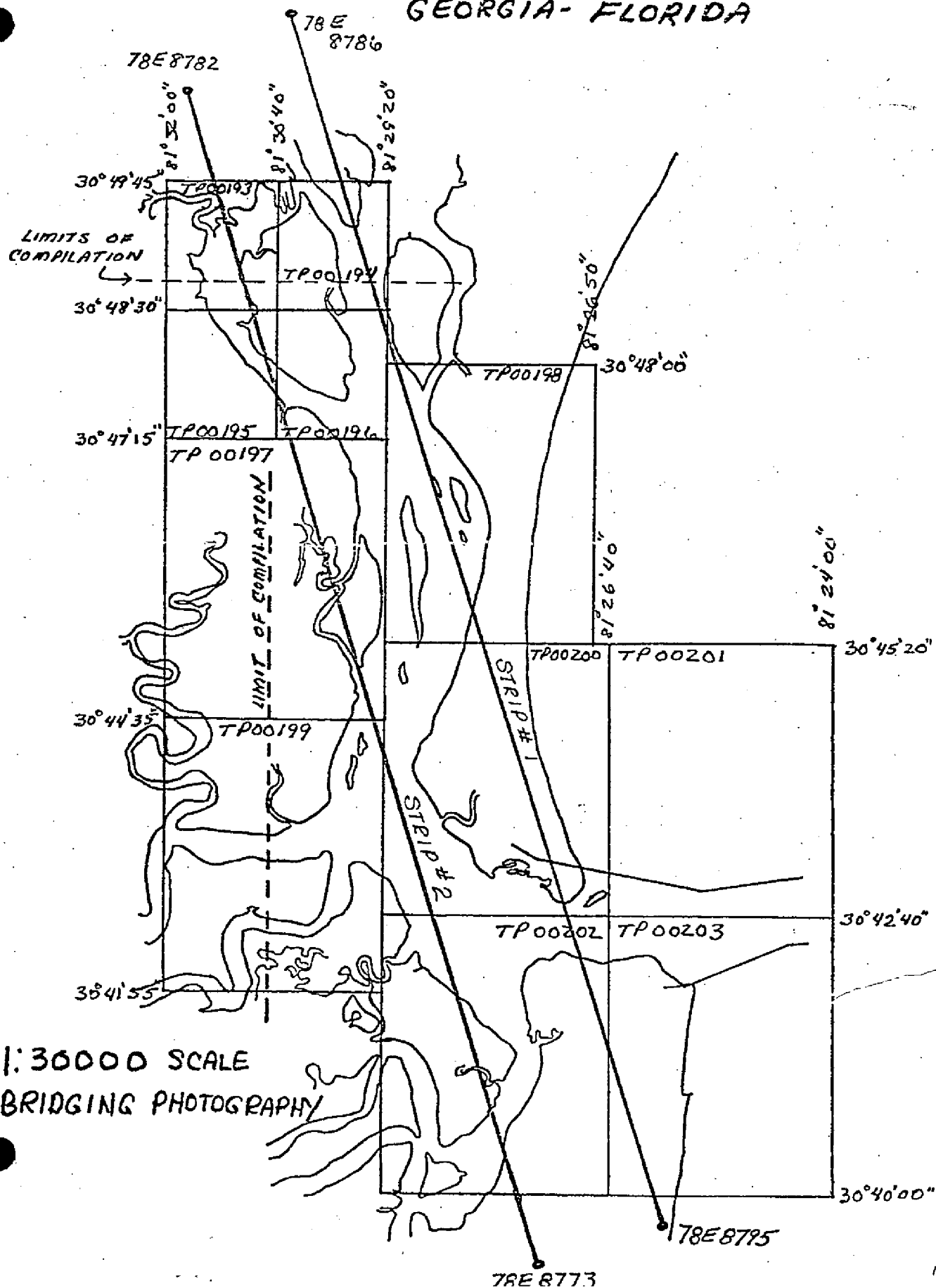
Stephen H. Solbeck

Approved and Forwarded:

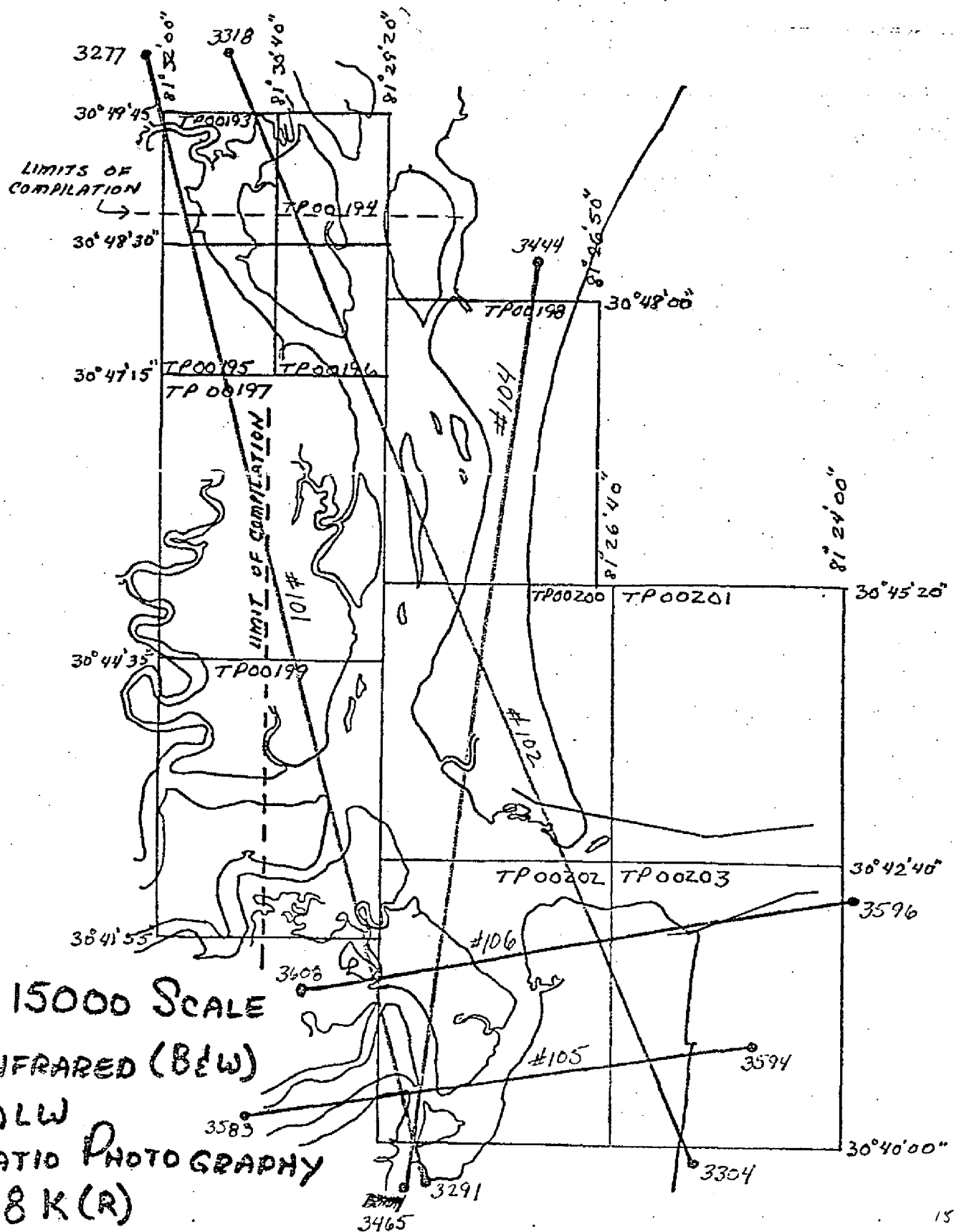


Don O. Norman
Acting Chief, Aerotriangulation Section

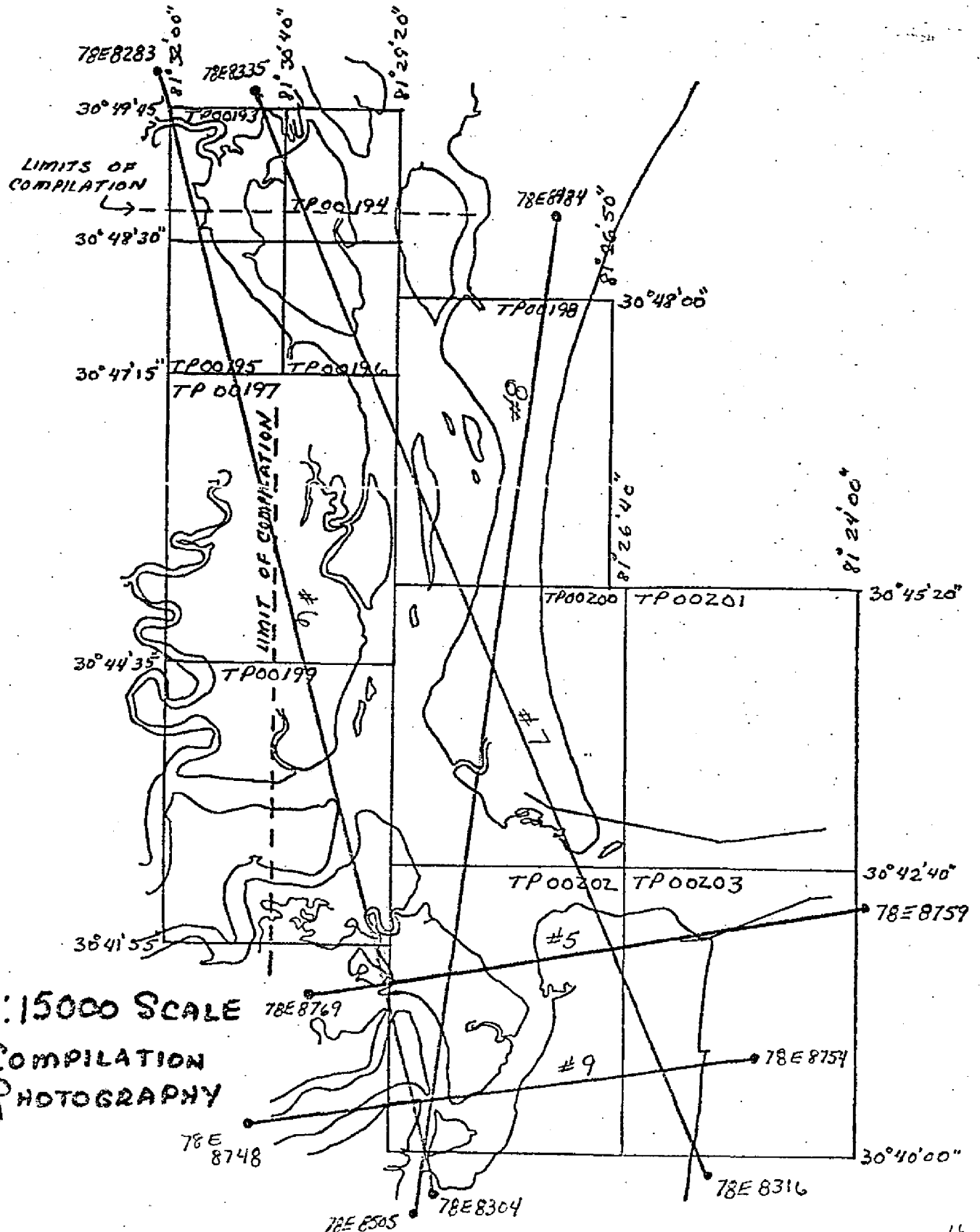
CM 7804 14
KINGS BAY TO ST MARYS ENTRANCE
GEORGIA-FLORIDA



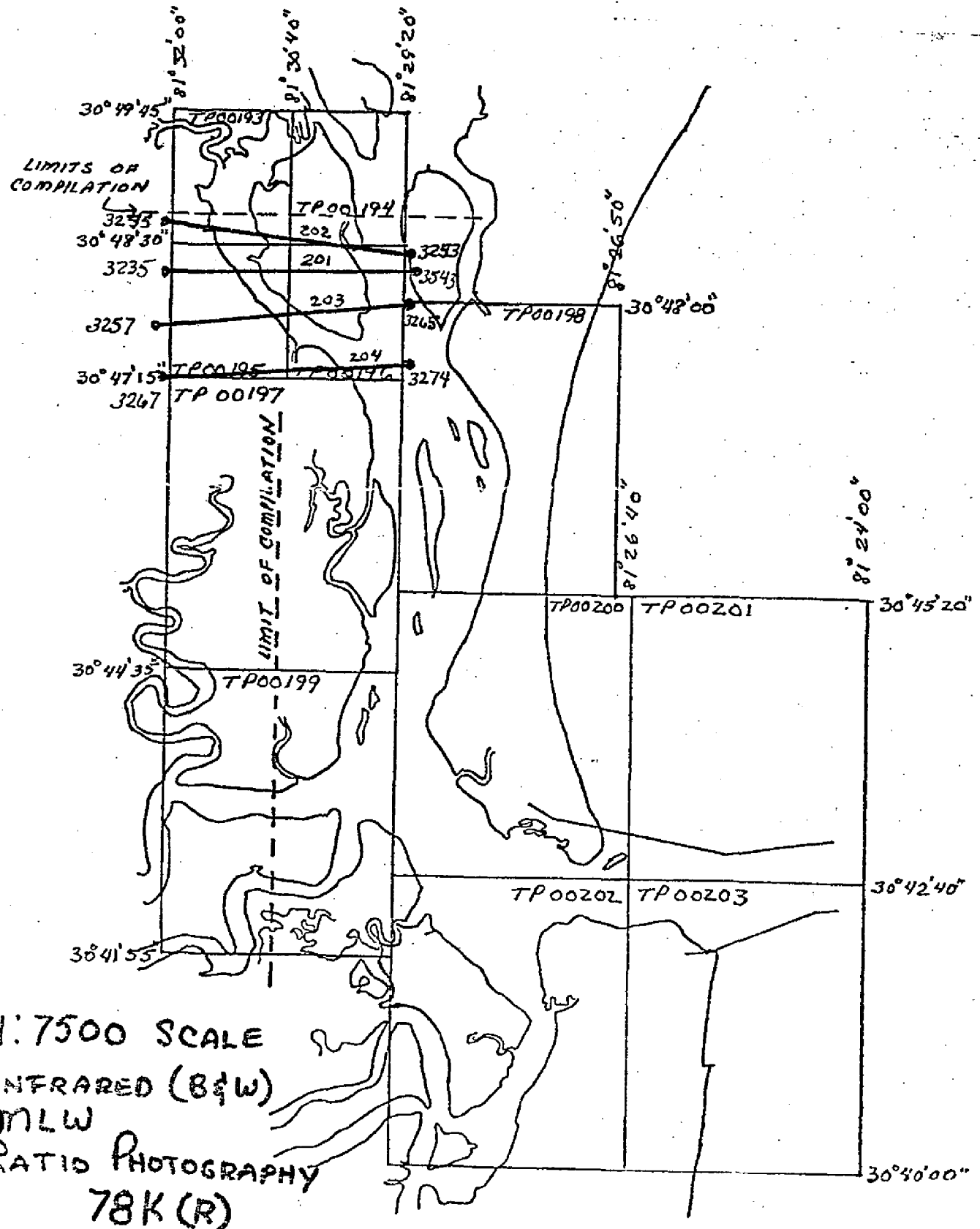
CM 7804 15
KINGS BAY TO ST MARYS ENTRANCE
GEORGIA-FLORIDA



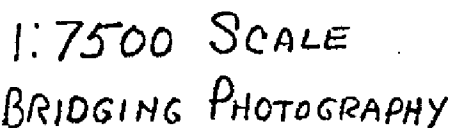
CM 7804 16
 KINGS BAY TO ST MARYS ENTRANCE
 GEORGIA-FLORIDA



CM 7804 17
 KINGS BAY TO ST MARYS ENTRANCE
 GEORGIA-FLORIDA



GEORGIA-FLORIDA



DESCRIPTIVE REPORT CONTROL RECORD

| MAP NO. TP-00193 | JOB NO. CM-7804 | SOURCE OF INFORMATION (Index) | AEROTRI- ANGULATION POINT NUMBER | GEODETTIC DATUM NA 1927 | | COORDINATES IN FEET STATE Georgia ZONE East | | GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE | | REMARKS |
|---------------------------------|--------------------|-------------------------------------|---|------------------------------------|------------|---|---------------|---|-----------------------|---------|
| | | | | X | Y | X | Y | ϕ | λ | |
| KING, 1933 | | G.P. 300814 Page 1041 | 21 | X= | 705,084.53 | X= | 30°49'15.270" | | | |
| | | | | Y= | 299,132.29 | Y= | 81°30'47.933" | | | |
| | | | | X= | | X= | | | | |
| | | | | Y= | | Y= | | | | |
| | | | | X= | | X= | | | | |
| | | | | Y= | | Y= | | | | |
| | | | | X= | | X= | | | | |
| | | | | Y= | | Y= | | | | |
| | | | | X= | | X= | | | | |
| | | | | Y= | | Y= | | | | |
| | | | | X= | | X= | | | | |
| | | | | Y= | | Y= | | | | |
| COMPUTED BY A. C. Rauck, Jr. | | | | COMPUTATION CHECKED BY J. Moler | | | | | DATE July 11, 1978 | |
| LISTED BY A. C. Rauck, Jr. | | | | LISTING CHECKED BY J. Moler | | | | | DATE July 11, 1978 | |
| HAND PLOTTING BY None | | | | HAND PLOTTING CHECKED BY None | | | | | DATE | |

COMPILATION REPORT

TP-00193

31. DELINEATION:

Delineation was accomplished using stereo instrument and graphic compilation methods. Instrument compilation was used to delineate shoreline, alongshore and interior detail based upon office interpretation of the 1:7,500 scale panchromatic compilation photographs. Tide coordinated MLW infrared photographs, taken in tandem with the compilation photography, were used to graphically compile the approximate mean low water line. Control for graphic delineation was provided by the instrument compilation of coastal detail and common image points.

All photographs used to compile this map are listed on NOAA form 76-36B. Photo coverage and quality was adequate.

32. CONTROL:

The horizontal control was adequate. Refer to the Photogrammetric Plot Report dated July 1978.

33. SUPPLEMENTAL DATA:

None

34. CONTOURS AND DRAINAGE:

Contours are not applicable to the project. Drainage was compiled by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

Shoreline and alongshore details were primarily compiled as described in Item #31. However, difficulty was encountered in delineating the apparent mean high-water line as most of the shoreline and foreshore appear as a continuous marsh grass that is partially covered at mean high water. In most cases a distinct line of demarcation could not be determined through this vegetation, making photo interpretation questionable. Subsequently, vertical instrument measurements were used to assist in interpreting the apparent shoreline. Infrared tide coordinated mean high water photography was not provided.

Graphic delineation of the mean low water line was compiled as described in Item #31 by the ratio infrared MLW photographs provided by aerotriangulation.

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36. OFFSHORE DETAILS:

No unusual problems

37. LANDMARKS AND AIDS:

There are no charted landmarks or aids within the mapped area of this map manuscript.

38. CONTROL FOR FUTURE SURVEYS:

Three hydrographic signal sites were plotted from geographic positions provided by intersection triangulation by the Photo Party.

39. JUNCTIONS:

See form 76-36B, Item 5 of the Descriptive Report concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY:

See Item #32.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with the following U.S. Geological Survey Quadrangle: Harrietts Bluff, GA, dated 1958, scale 1:24,000

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following National Ocean Survey chart: No. 11503, scale 1:20,000, 29th edition, dated July 9, 1977.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by

Robert A. Kravitz

Cartographic Technician

Date: September 12, 1978

Approved,

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section

ADDENDUM TO THE COMPILATION REPORT

TP-00193

Field information provided in November 1978 was applied according to the field discrepancy print. This data primarily included identification of features that were questionable through photo interpretation. This data is not sufficient to reclassify the map as the shoreline was not field verified.

REVIEW REPORT TP-00193

SHORELINE

61. GENERAL STATEMENT:

Refer to the Summary included in this Descriptive Report for a general analysis of all activities.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. quadrangle Harrietts Bluff, Georgia, 1:24,000 scale, dated 1958.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with a copy of smoothsheet H-9805, 1:2,500 scale, verified September 1979. Various shoreline discrepancies indicate that the hydrographer developed alongshore areas that displayed sparse vegetation on the March 1978 compilation photography. This concurs with the problem addressed in the compilation report (Item #35) concerning delineation of the apparent shoreline.

Based upon the hydrographic survey and evaluation of the compilation photographs, conflicting shoreline (apparent MHW defined by vegetation) areas were recompiled by instrument methods, relying primarily on vertical measurements.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following NOS charts:

11503, 1:20,000 scale, 31st edition, April 30, 1983

11489, 1:40,000 scale, 20th edition, October 16, 1982

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the Project Instructions and meets the requirements for National Standards of Map Accuracy.

Submitted by,

Jerry L. Hancock
Jerry L. Hancock
Final Reviewer

REVIEW REPORT TP-00193

SHORELINE

Approved for forwarding,

Billy H. Barnes

Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved,

A. F. Lewis for

Chief, Photogrammetric Section, Rockville

Gregory T. Freeman
Chief, Photogrammetry Branch

7/26/83

GEOGRAPHIC NAMES

FINAL NAME SHEET

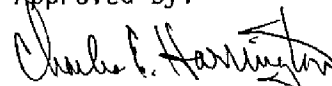
GM-7804 (Kings Bay to St. Marys Entrance, FL.-GA.)

TP-00193

Crab Island

Kings Bay

Approved by:



Charles E. Harrington
Chief Geographer, N/CG2x5

