

TP-00200

TP-00200

NOAA FORM 76-35 (3-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h2>DESCRIPTIVE REPORT</h2>	
THIS MAP EDITION WILL NOT BE FIELD EDITED	
Map No. TP-00200	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 BEACH CREEK	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 1978 TO 19 </div>	
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>00200</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final Class</u> JOB CM- PH . <u>7804</u> III	
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 Aug. 17, 1978 Amendment #2 Dec. 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 <u>Georgia</u> ZONE <u>East</u>	
5. SCALE 1:5,000		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>1:5,000</u> CHECKED BY		F. Mauldin L. Neterer, Jr. N.A. N.A.	Sept. 1978 Sept 1978
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: <u>Smooth draft and graphic</u> CONTOURS BY CHECKED BY SCALE: <u>1:5,000</u> HYDRO SUPPORT DATA BY CHECKED BY		F. Mauldin F. Margiotta N.A. N.A. N.A. N.A.	Sept 1978 Sept 1978
5. OFFICE INSPECTION BY BY		F. Margiotta	Sept 1978
6. APPLICATION OF FIELD DATA BY		J. Moler	Mar. 1979
7. COMPILATION SECTION REVIEW CHECKED BY		F. Margiotta	Mar. 1979
8. FINAL REVIEW <u>Class III</u> BY		F. Margiotta	Mar. 1979
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		J. Hancock	Aug. 1983
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		J. Hancock	Oct. 1983
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		P. Hawkins <u>E. DAUGHERTY</u>	June 1984 <u>Nov 1984</u>

NOAA FORM 76-36B
(3-72)

TP-00200

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

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild R.C. 8, "E" and "K" "E"=152.71mm, "K"=151.77mm		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	
<input checked="" type="checkbox"/> PREDICTED TIDES				Eastern	
<input type="checkbox"/> REFERENCE STATION RECORDS				MERIDIAN	
<input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				75th	
				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
78E(P) 8494-8497	Mar 24, 1978	13:25	1"15,000	0.2 ft. below M.L.W.	
78K(I) 3455-3458	"	"	"	"	
78E(P) 8320-8324	Mar 23, 1978	15:12	1:15,000	0.8 ft. above M.L.W.	
78K(I) 3308-3311	"	"	"	"	
Mean range = 6.1 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
TP-00198	TP-00201	TP-00202	TP-00197* TP-00199

REMARKS

*No detail junctions with TP-00197

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00200
HISTORY OF FIELD OPERATIONSI. ☒ 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	R. Tibbetts None R. Tibbetts
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	N.A. N.A. N.A.
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	None R. Tibbetts 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	N.A.

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED
None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
78E(P)8777 (Contact)	Hammock 2, 1954 (Sub Stations A and B)		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

1 form 76-53, 2 forms 76-86, 2 forms 76-184, 2 forms 76-177, 1 form 76-67,
1 Project Field Report, geographic positions of hydrographic signal sites
and navigational aids obtained in June/July 1978.

TP-00200
HISTORY OF FIELD OPERATIONS

- I.
- ☐
- FIELD INSPECTION OPERATION
- ☒
- FIELD
- ~~INS~~
- OPERATION (See NOTE, Item #8)

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	A. Bryson	Nov 1978
2. HORIZONTAL CONTROL	RECOVERED BY A. Bryson ESTABLISHED BY None PRE-MARKED OR IDENTIFIED BY None	Nov 1978
3. VERTICAL CONTROL	RECOVERED BY N.A. ESTABLISHED BY N.A. PRE-MARKED OR IDENTIFIED BY N.A.	
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 N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED None		2. VERTICAL CONTROL IDENTIFIED None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
3. PHOTO NUMBERS (Clarification of details) 78K(I) 3458			
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 ADMINISTRATION

TP-00200
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	Aug. 1983	Final Class III Map	APR 1984	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER (Page)	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		APR 1984	Aids for charting

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

3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. ☐ BRIDGING PHOTOGRAPHS; ☐ DUPLICATE BRIDGING REPORT; ☐ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
 3. ☐ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

SECOND 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	

CM-7804
KINGS BAY
TO ST MARYS ENTRANCE
GEORGIA-FLORIDA
SHORELINE MAPPING
SCALE 1:2500 & 1:5000
REVISED 11/15/78 R.W.

TP-00879
TP-00193
TP-00194
TP-00195
TP-00196
TP-00197
TP-00199
TP-00200
TP-00201
TP-00202
TP-00203

LIMIT OF COMPILATION

St. Marys River
Little Tiger River
Bells River
Little Tiger Creek
Amelin Island
FERNANDINA BEACH

Stafford Island
Marsh
Freefield
CUMBER
Marsh
Pt. Peter
Marsh
Little Tiger Island
Marsh
Old Fernandina
Amelin Island

30°49'45"
30°48'30"
30°47'15"
30°44'35"
30°41'55"
30°40'00"

81°30'
81°29'20"
81°30'40"
81°26'50"
81°26'40"
81°24'00"

ST MARYS ENTRANCE

CM-7804
KINGS BAY
TO ST MARYS ENTRANCE
GEORGIA-FLORIDA
SHORELINE MAPPING
SCALE 1:2500 & 1:5000
REVISED 11/15/78 R.W.

TP-00193 TP-00194
TP-00195 TP-00196
TP-00197
TP-00199
TP-00200 TP-00201
TP-00202 TP-00203

LIMIT OF COMPILATION

St. Marys River
Little River
Little Tiger River
Amelin Island
FERNANDINA BEACH

Stafford Island
Marsh
Freefield
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Marsh
Pt. Peter
Marsh
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Marsh
Old Fernandina
Amelin Island

30°49'45" 30°48'30" 30°47'15" 30°44'35" 30°41'55" 30°40'00"

81°30' 81°29'20" 81°28'50" 81°28'00" 81°27'40" 81°26'50"

CM-7804
KINGS BAY
TO ST MARYS ENTRANCE
GEORGIA-FLORIDA
SHORELINE MAPPING
SCALE 1:2500 & 1:5000
REVISED 11/15/78 R.W.

TP-00879
TP-00193
TP-00194
TP-00195
TP-00196
TP-00197
TP-00199
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LIMIT OF COMPILATION

St. Marys River
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30°49'45"
30°48'30"
30°47'15"
30°44'35"
30°41'55"
30°40'00"

81°30'
81°29'20"
81°30'40"
81°26'50"
81°26'40"
81°24'00"

ST MARYS ENTRANCE

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00200

This 1:5,000 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 portrays the southern portion of Cumberland Island which includes the northern shoreline of St. Marys Entrance.

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.

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Final review was performed at the Atlantic Marine Center in August 1983. Problems concerning the delineation of the apparent shoreline were investigated. This problem resulted from vegetation (marsh grass) that covers at mean high water and does not permit a line of demarcation to be distinguishable through photo interpretation. Post compilation activity included revising portions of this type of shoreline by employing vertical stereo instrument measurements and by using supplemental field data.

A final Chart Maintenance Print was prepared and forwarded to the Marine Chart Branch. Also a final map 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

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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.

JOB CM-7804

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 requiremnts 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.

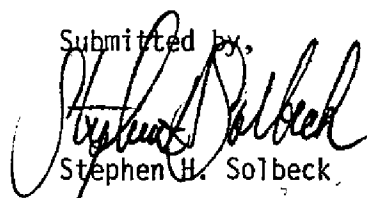
24. Supplemental Data

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,

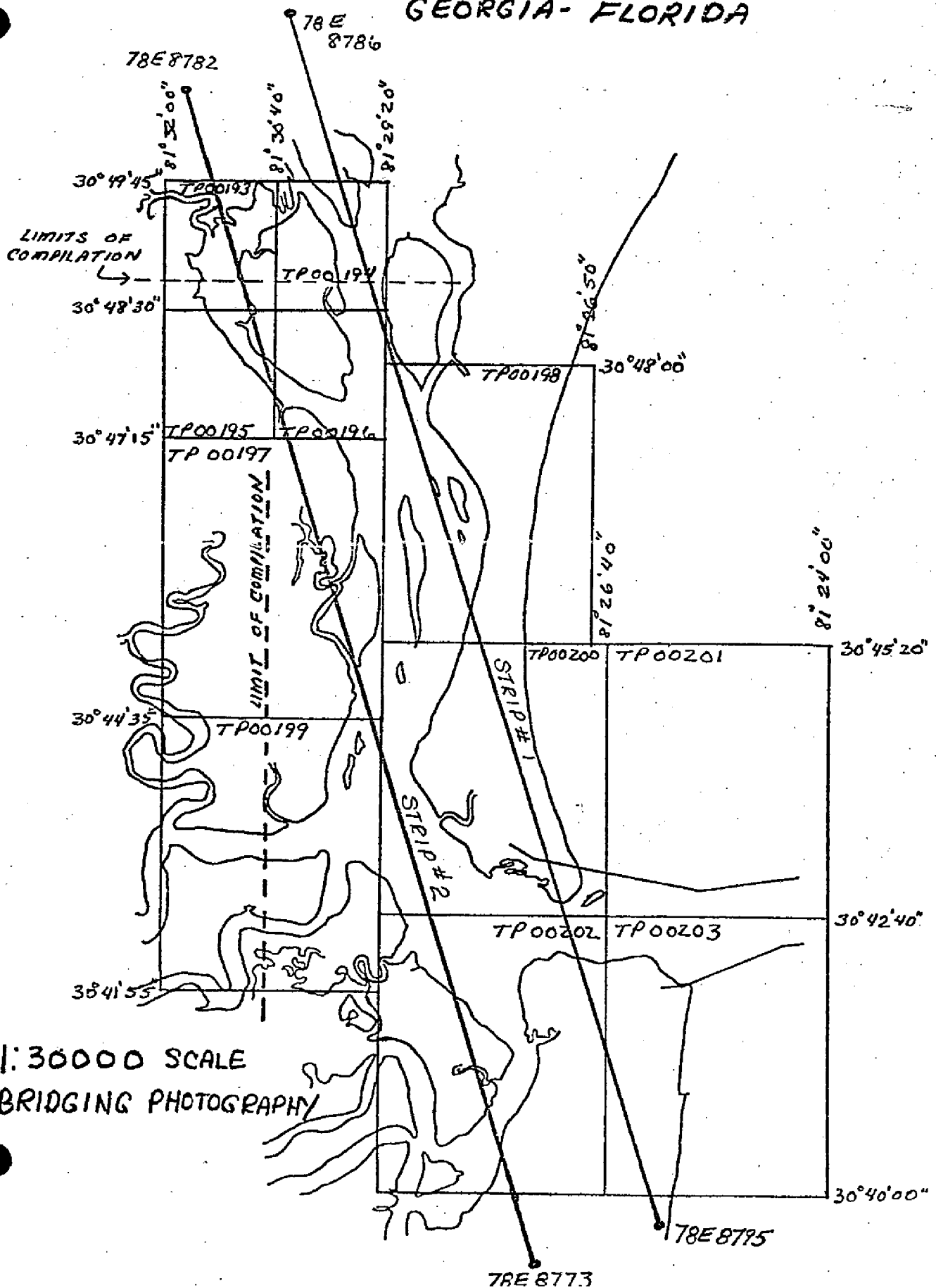

Stephen H. Solbeck

Approved and Forwarded:

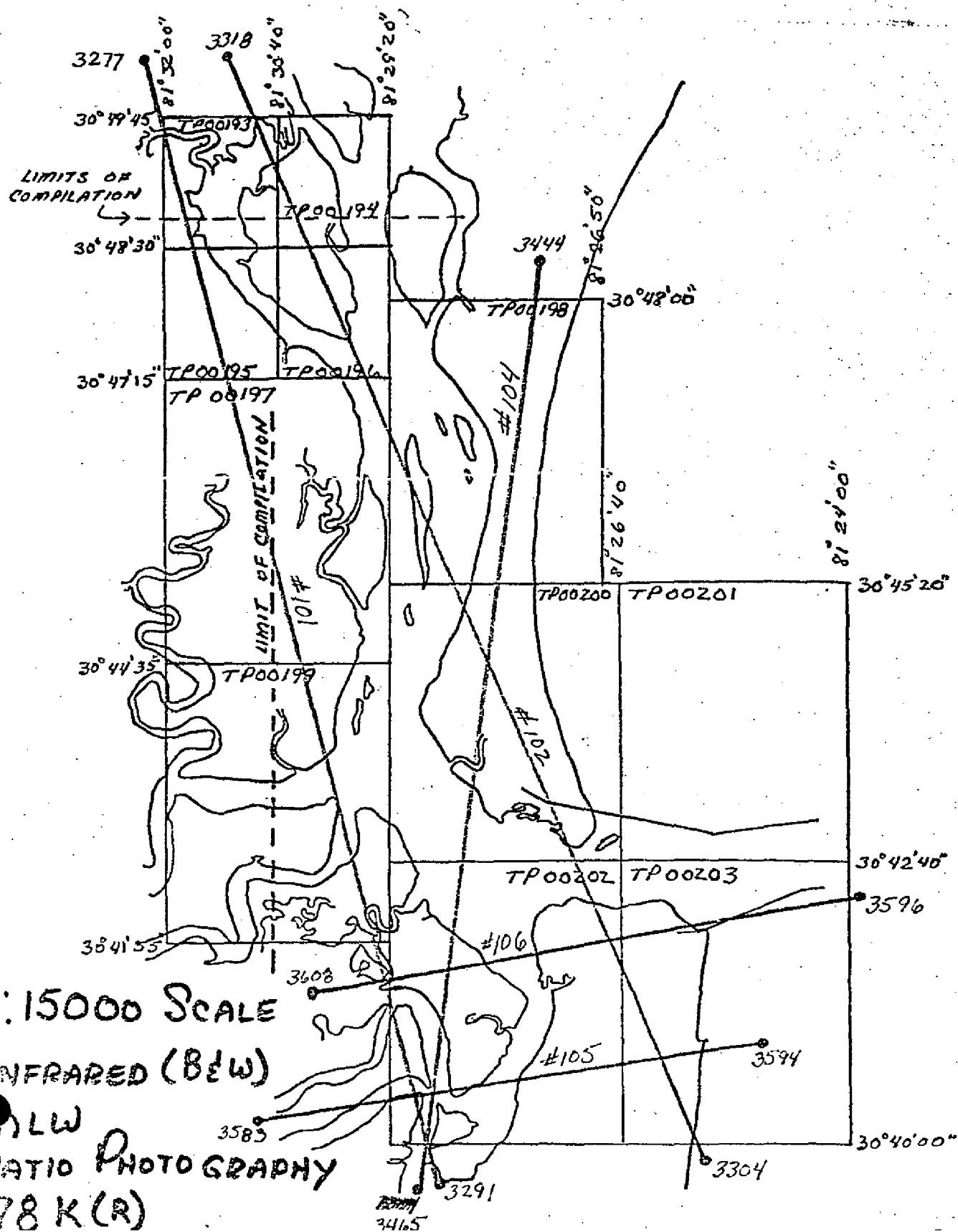


Don O. Norman
Acting Chief, Aerotriangulation Section

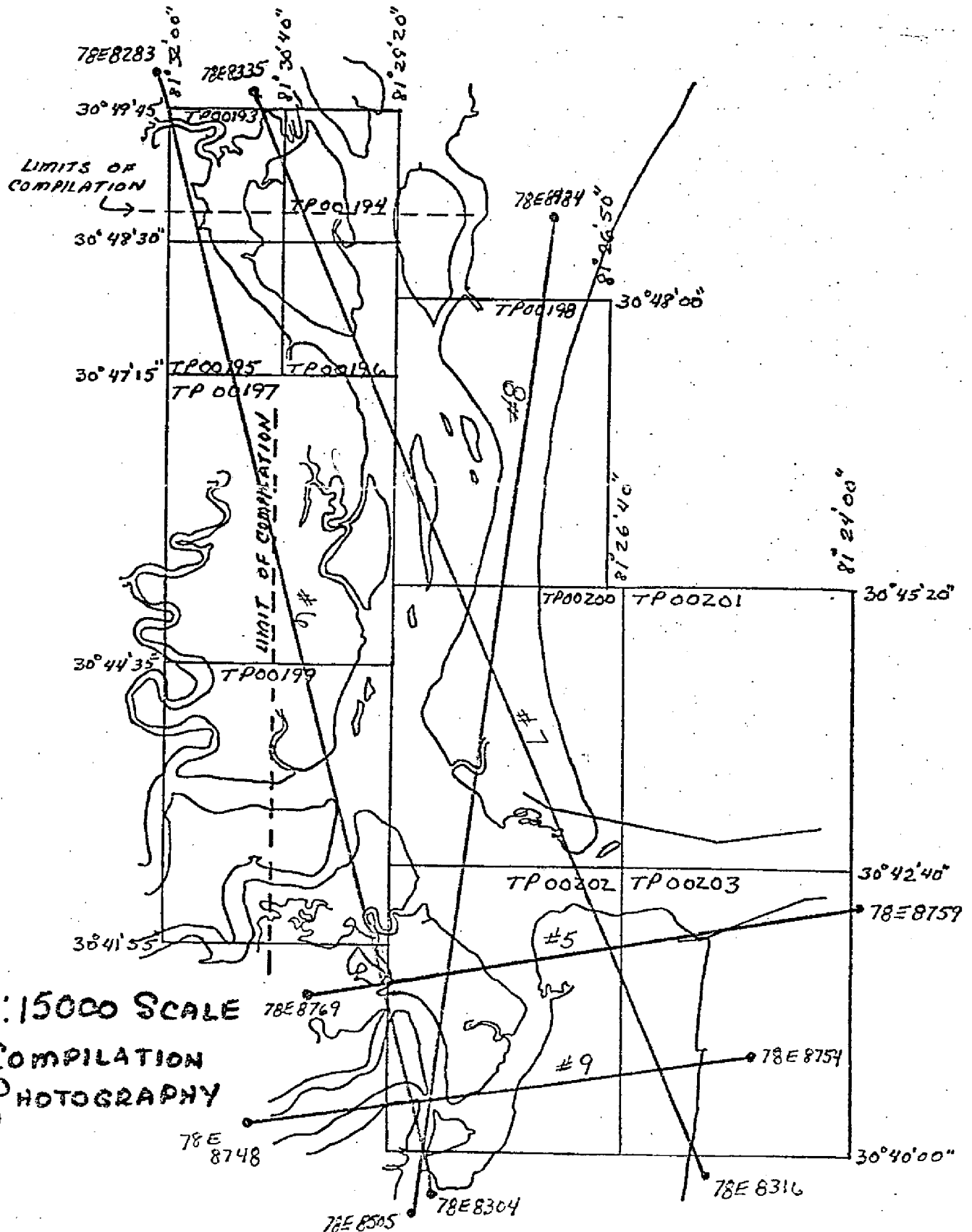
CM 7804 14
KINGS BAY TO ST MARYS ENTRANCE
GEORGIA-FLORIDA



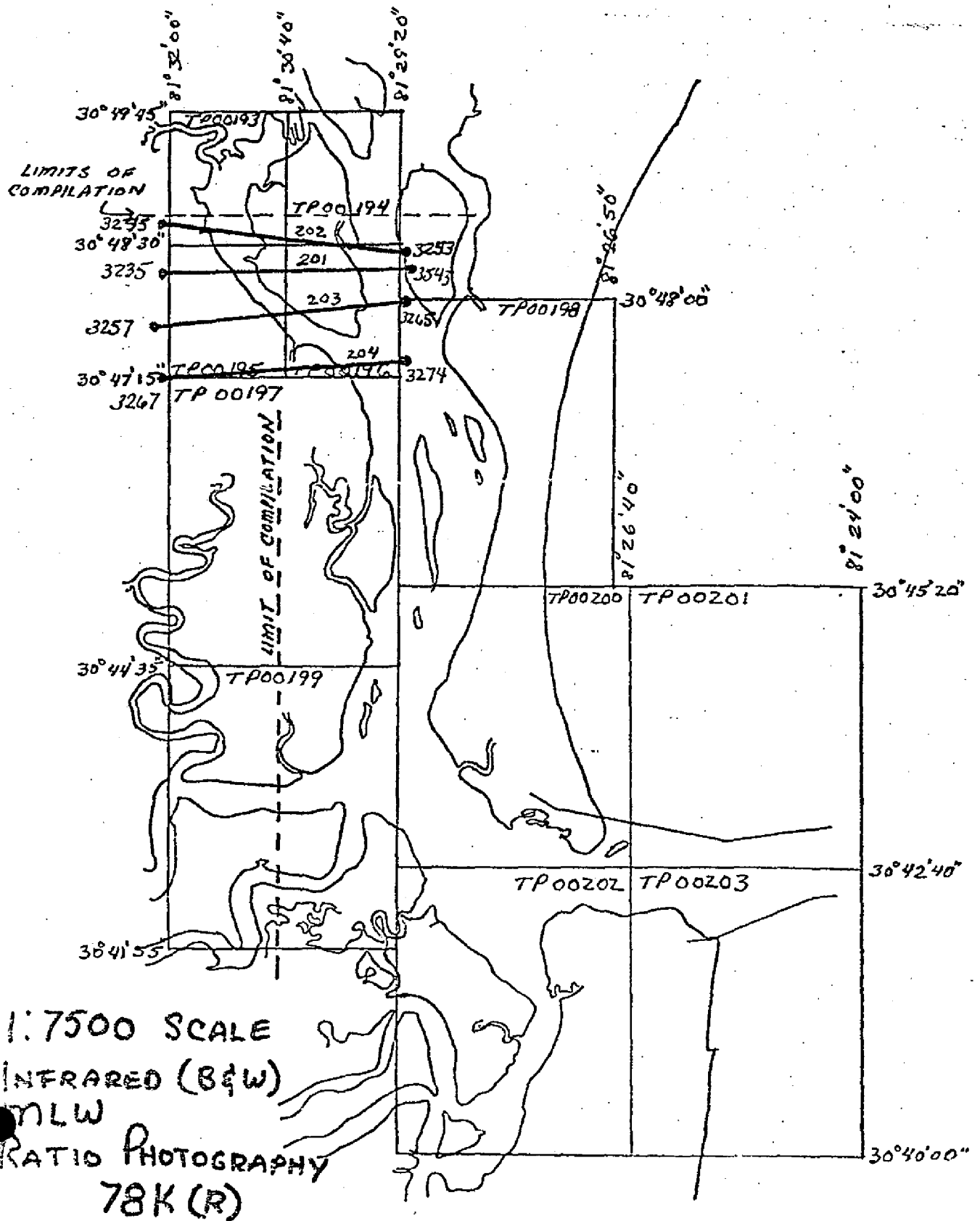
CM 7804
KINGS BAY TO ST MARYS ENTRANCE
GEORGIA-FLORIDA



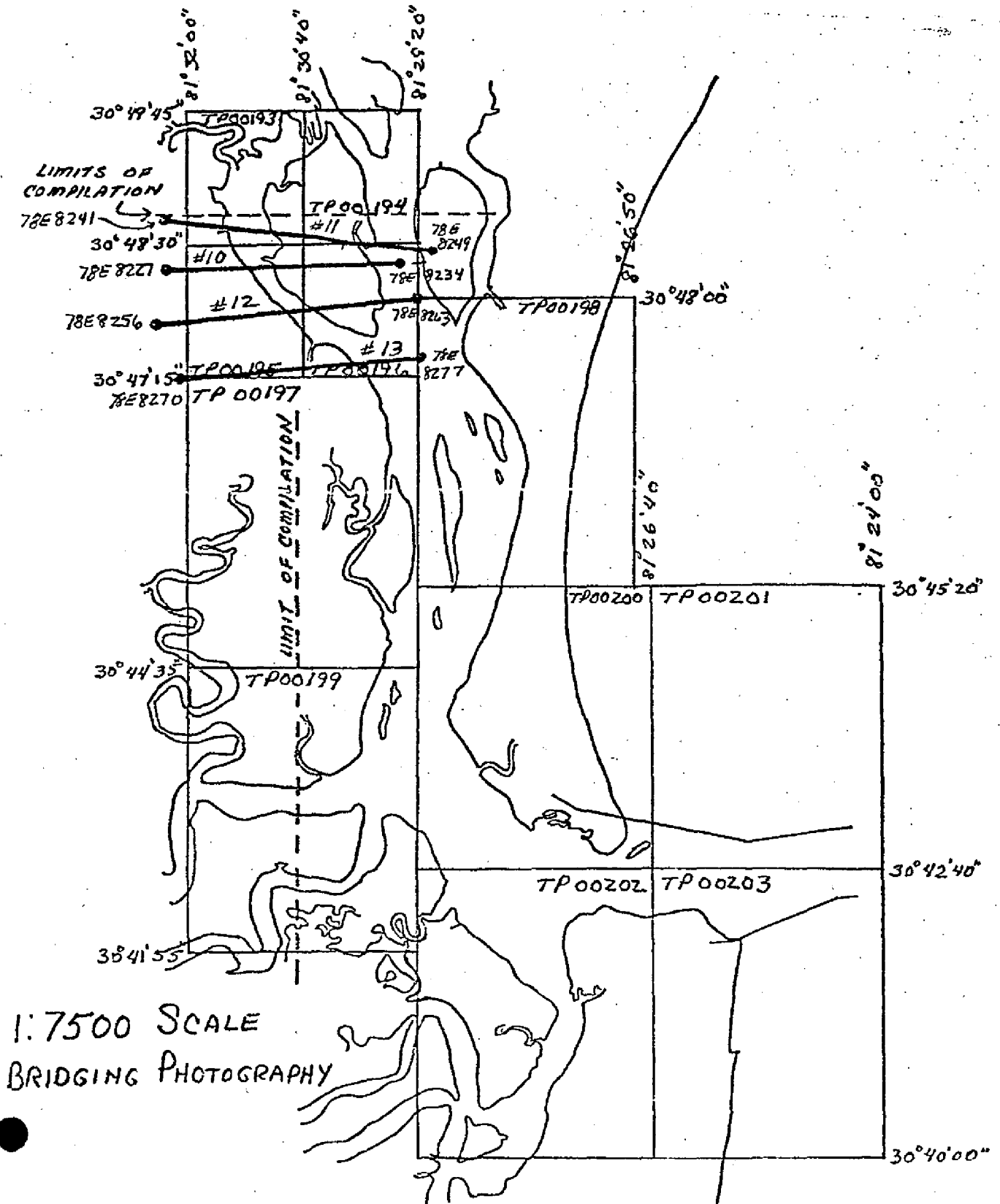
CM 7804 16
KINGS BAY TO ST MARYS ENTRANCE
GEORGIA-FLORIDA



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



CM 7804 18
KINGS BAY TO ST MARYS ENTRANCE
GEORGIA-FLORIDA



COMPILATION REPORT

TP-00200

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 1:15,000 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 DETAIL:

No unusual problems

37. LANDMARKS AND AIDS:

There are no landmarks within the area of this manuscript. Three fixed navigational aids were photo verified, these were field located during the process of obtaining the projects horizontal control.

38. CONTROL FOR FUTURE SURVEYS:

One hydro signal site was plotted from data furnished by the photo party.

39. JUNCTIONS:

See attached form 76-36B, item 5 of the Descriptive Report.

40. HORIZONTAL AND VERTICAL ACCURACY:

See Item #32.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with the following 1:24,000 scale U.S.G.S. quadrangles:

Fernandina Beach, FL-GA, 1958, photorevised 1970
Cumberland Island South, GA, 1958.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following NOS Chart:
11503, scale 1:20,000, 29 th edition, July 9, 1977

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None

ITEMS TO BE CARRIED FORWARD:

None

Submitted by:

Fay T. Mauldin
Fay T. Mauldin
Cartographer
Sept. 25, 1978

Approved;

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

ADDENDUM TO THE COMPILATION REPORT

TP-00200

Field information provided in November 1978 was applied according to the field discrepancy print. This data included identification of features that were questionable through photo interpretation and the location of a wreck by three point fix. In addition, a major shoreline area at Lat. $30^{\circ} 43.2'$, Long $81^{\circ} 27.6'$ was revised according to field annotated ratio 78K(R) 3458. This field data complemented the original compilation but was not sufficient to reclassify the map from a Class III status.

REVIEW REPORT TP-00200

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 the following 1:24,000 scale U.S.G.S. quadrangles:

Fernandina Beach, FL-GA, 1958 photorevised 1970

Cumberland Island South, GA, 1958

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with a copy of smoothsheets H-9800, 1:5,000 scale, verified February 1980 and H-9806, 1:5,000 scale, verified January 1980. The original Class III shoreline compilation was used for these hydrographic surveys and they do not reflect the revised shoreline as delineated from supplemental field data. Because of the problem, as addressed in item #35 of the compilation report concerning the delineation of the apparent shoreline, minor revisions were made during post compilation using instrument methods, relying primarily on vertical measurements.

There were no discrepancies involving hydrographic soundings extending beyond the mean high water line of either the original or post compilation shoreline delineation.

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, Oct. 16, 1982

A comparison indicates that the shoreline from this final Class III map has been applied to chart 11503.

The three navigational aids charted at the time of the original compilation have since been physically relocated.

REVIEW REPORT (con't)

TP-00200

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

Approved for forwarding:

Billy H. Barnes

Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved:

C. F. Lewis for

Chief, Photogrammetric Section, Rockville

Gregory L. Thompson for
Chief, Photogrammetry Branch

GEOGRAPHIC NAMES

FINAL NAMES SHEET

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

TP-00200

Atlantic Ocean

Beach Creek

Cumberland Island

Cumberland Sound

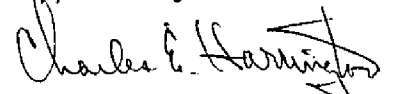
Dungeness

Dungeness Wharf

St. Marys Entrance

Tiger Island

Approved by:



Charles E. Harrington
Chief Geographer, N/CG2x5

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	OFFICE ACTIVITY REPRESENTATIVE <input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64.)	
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions* require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75 *FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.

