

TP-00196

TP-00196

NOAA FORM 76-35 (3-76)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h2 style="text-align: center;">DESCRIPTIVE REPORT</h2>	
THIS MAP EDITION WILL NOT BE FIELD EDITED	
Map No. TP-00196	Edition No. 1
Job No. CM-7804	
Map Classification CLASS III (FINAL)	
Type of Survey SHORELINE	
<h3 style="text-align: center;">LOCALITY</h3>	
State GEORGIA-FLORIDA	
General Locality KINGS BAY TO ST. MARYS ENTRANCE	
Locality KINGS BAY, MOUTH OF	
<div style="border: 1px solid black; padding: 5px; text-align: center;"> 1978 TO 19 </div>	
<h3 style="text-align: center;">REGISTRY IN ARCHIVES</h3>	
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. 00196 MAP EDITION NO. (1) MAP CLASS Final Class III JOB XXX CM-7804	
OFFICER-IN-CHARGE Roy K. Matsushige		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 S. Solbeck July 1978 METHOD: Analytic LANDMARKS AND AIDS BY			
2. CONTROL AND BRIDGE POINTS PLOTTED BY S. Solbeck July 1978 METHOD: Coradomat CHECKED BY S. Solbeck July 1978			
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY R. Kravitz Sept. 1978 COMPILATION CHECKED BY L. Neterer Sept. 1978 INSTRUMENT: Wild B-8 SCALE: 1:2,500 CONTOURS BY NA CHECKED BY NA			
4. MANUSCRIPT DELINEATION PLANIMETRY BY R. Kravitz Oct. 1978 CHECKED BY F. Margiotta Oct. 1978 METHOD: Smooth Draft and Graphic CONTOURS BY NA CHECKED BY NA SCALE: 1:2,500 HYDRO SUPPORT DATA BY NA CHECKED BY NA			
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY F. Margiotta Oct. 1978			
6. APPLICATION OF FIELD XXX DATA BY C. Blood March 1979 CHECKED BY L. Neterer March 1979			
7. COMPILATION SECTION REVIEW BY L. Neterer March 1979			
8. FINAL REVIEW CLASS III BY J. Hancock Aug. 1983			
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY J. Hancock Oct. 1983			
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY P. Hawkins June 1984			
11. MAP REGISTERED - COASTAL SURVEY SECTION BY E. DAUGHERTY NOV 1984			

TP-00196
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) "E" = 152.71 mm; K = 151.77 mm Wild R.C.-8 "E" and "K"		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
78 E(P) 8232-3235	3/23/78	13:52	1:7,500	0.2 ft. below MLW
78 K(I) 3239-3240	3/23/78	13:52	1:7,500	0.2 ft. below MLW
78 E(P) 8260-8263	3/23/78	14:12	1:7,500	0.1 ft. below MLW
78 K(I) 3261-3263	3/23/78	14:12	1:7,500	0.1 ft. below MLW
78 E(P) 8274-8277	3/23/78	14:23	1:7,500	At MLW
78 K(I) 3270-3272	3/23/78	14:23	1:7,500	At MLW
				Mean range = 6.3 ft.

REMARKS

Panchromatic and infrared photographs taken in tandem.

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high waterline 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-00194	*TP-00879 *TP-00198	TP-00197	TP-00195

REMARKS

*No detail junctions with TP-00198

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(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TP-00196

HISTORY OF FIELD OPERATIONS

1. ☒ 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 R. Ledbetter	May 1978
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY R. Ledbetter	May 1978
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 R. Tibbetts	July 1978
	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 None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
78 E(P)8780 (contact)	Forsaken 2, 1954 (Sub Sta. A & 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: <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) 2 Forms 76-53, 1 Form 269C, 1 Form 75-63, 3 Forms 76-184, 1 Project Field Report, Geographic positions of hydrographic control June/July 1978 and fixed navigational aids,			

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(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00196
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 ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None	
3. VERTICAL CONTROL RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None	
4. LANDMARKS AND AIDS TO NAVIGATION RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	None A. Bryson A. Bryson	Nov. 1978 Nov. 1978
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	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)

78 K(I) 3262

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

Verified or located by 3 pt. fix.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
Field Print	Kings Bay Range E, Rear Light		
Field Print	Cumberland Sound Range D, Rear Lite		
Field Print	Cumberland Sound Light 76		
Field Print	Cumberland Sound Daybeacon 72		
Field Print	Cumberland Sound Daybeacon 78		
Field Print	Cumberland Sound Channel Light 77		

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 Paper Field Discrepancy Print

NOTE: Segmented field activity performed to identify questionable features and to investigate charted navigational aids for post photogrammetric processing.

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(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

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RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete	Oct. 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 pages)	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		APR 1984	Aids for charts

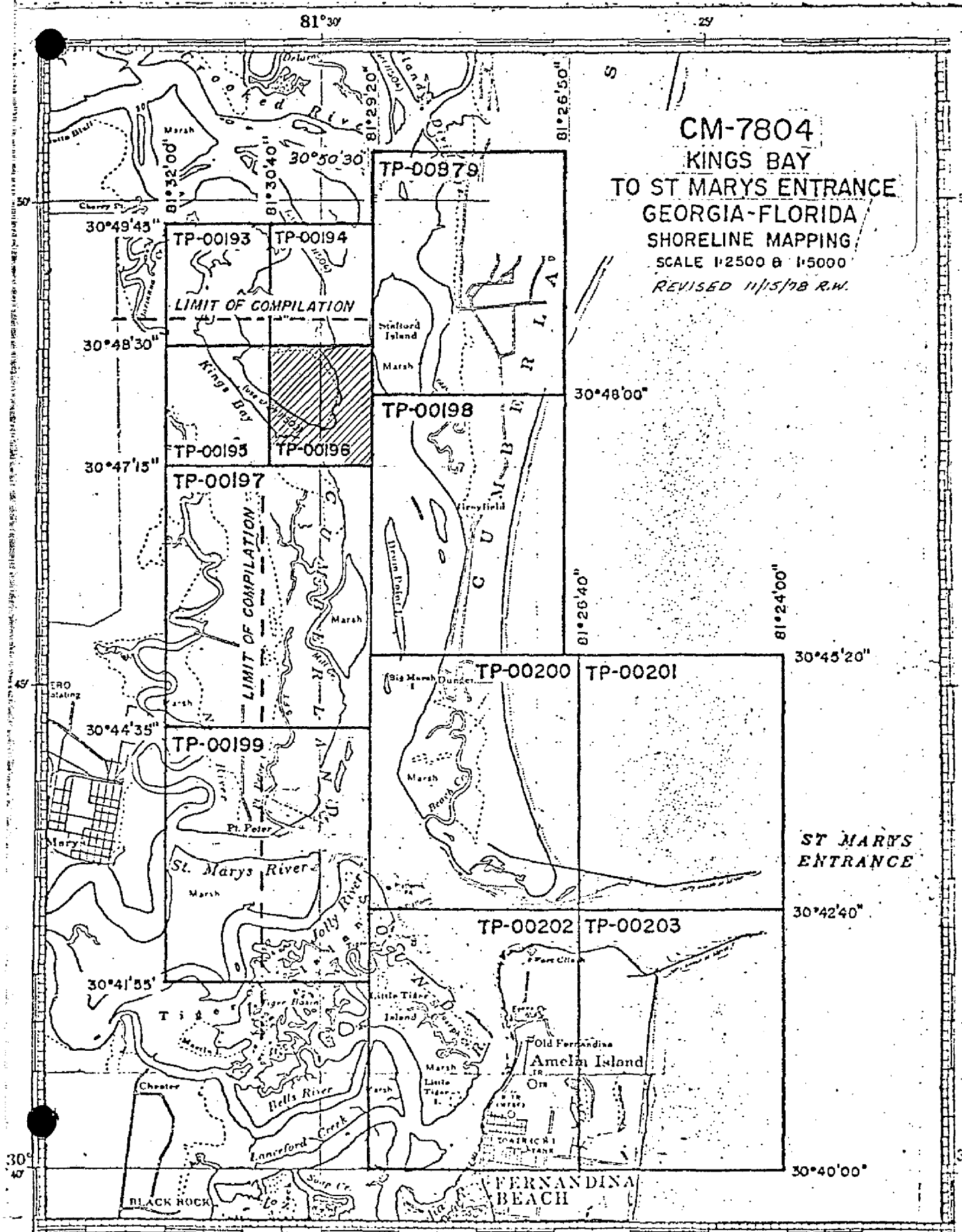
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. ☐ BRIDGING PHOTOGRAPHS; ☐ DUPLICATE BRIDGING REPORT; ☐ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS ~~300~~ 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	



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00196

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 portrays a portion of the western shoreline of Cumberland Sound featuring the entrance to Kings Bay and the Naval submarine support facility.

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 October 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. A comparison with the contemporary hydrographic surveys indicate that extensive dredging activity along the shores of Kings Bay has taken place since the March 1978 compilation photography. The current nautical charts also indicate the relocation of most of the navigational aids since the original compilation.

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

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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 only.

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

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.

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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 requiremntns 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.

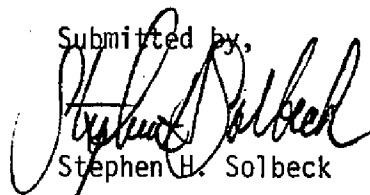
24. Supplemental Data

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,



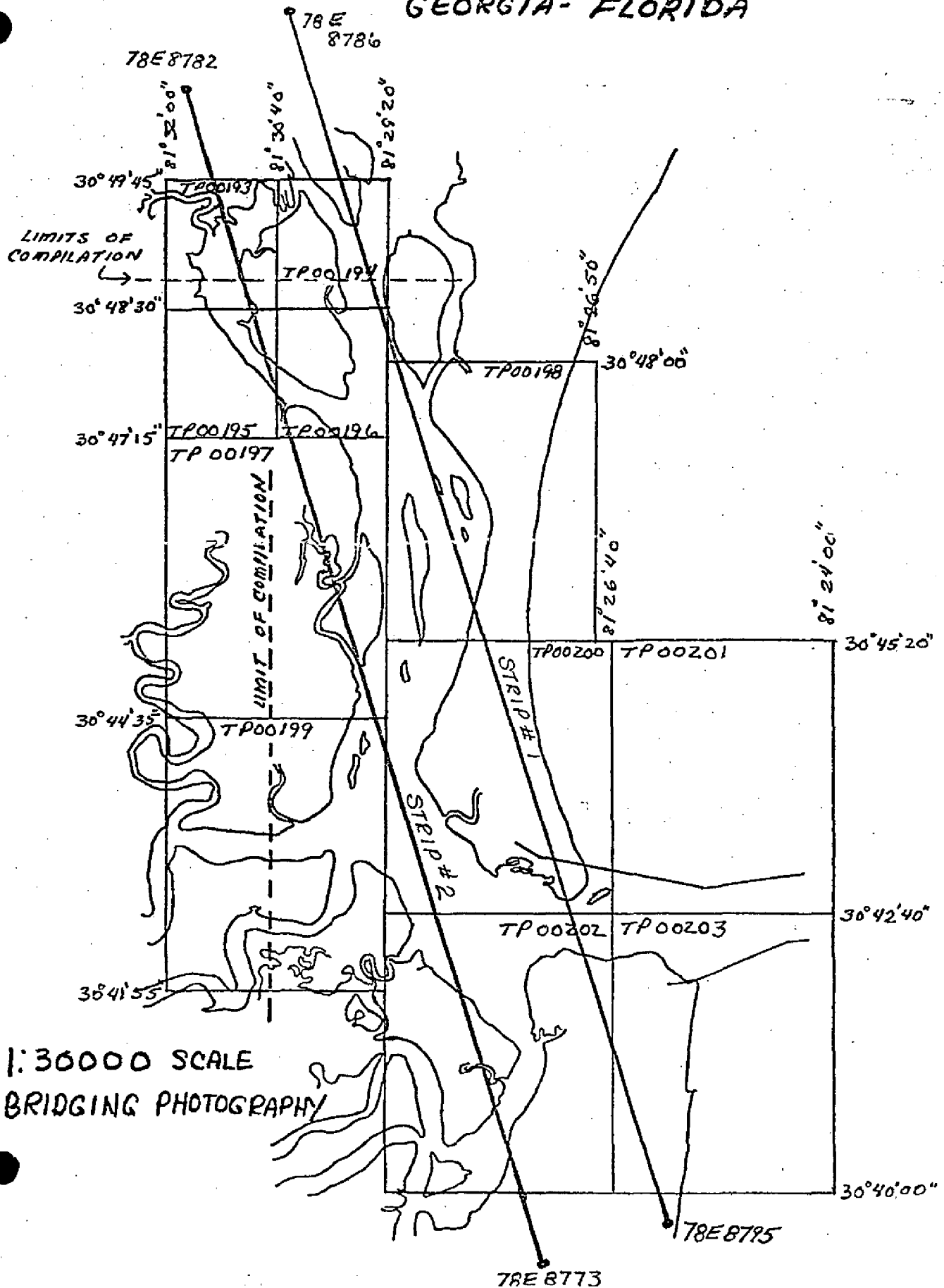
Stephen H. Solbeck

Approved and Forwarded:

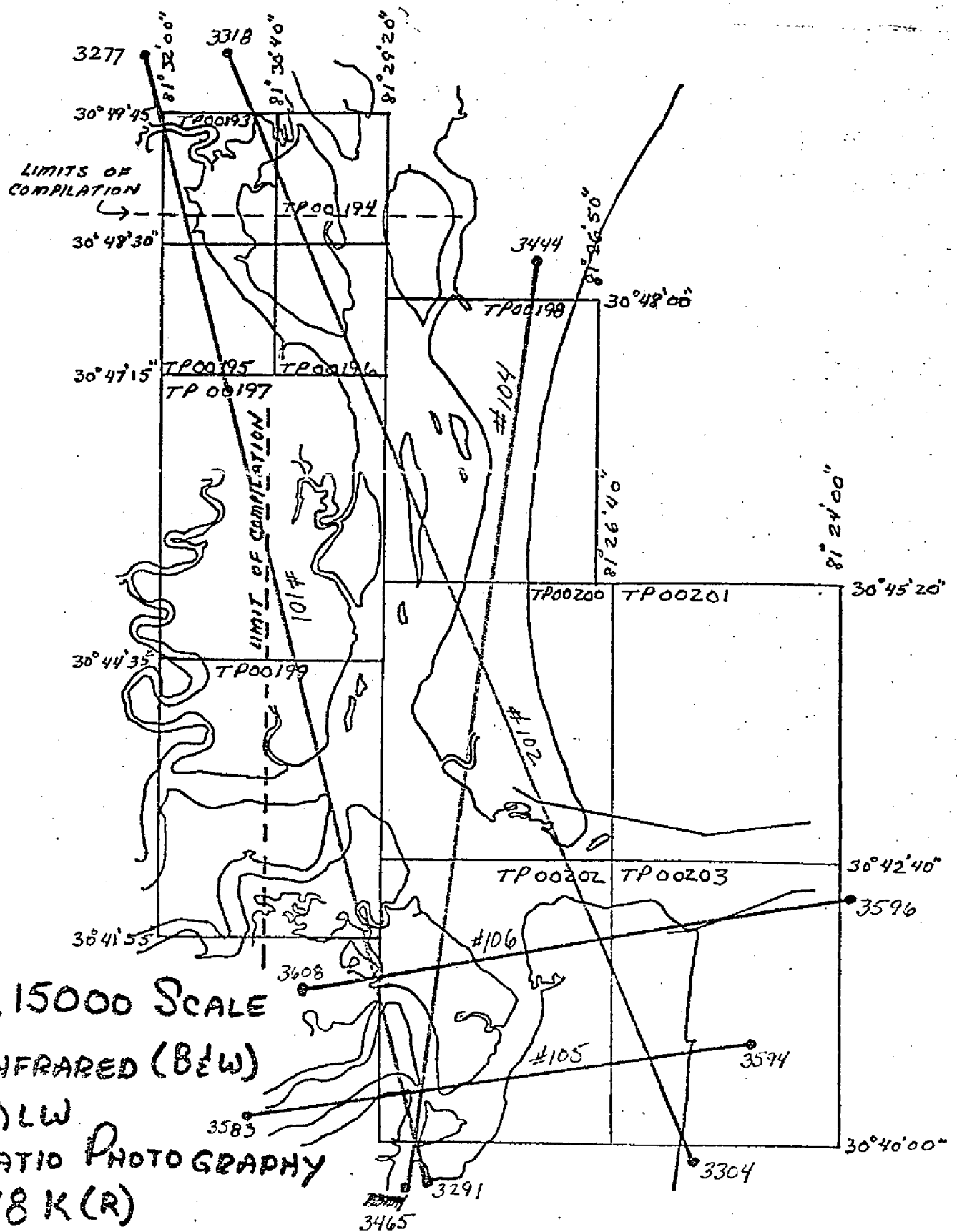


Don O. Norman
Acting Chief, Aerotriangulation Section

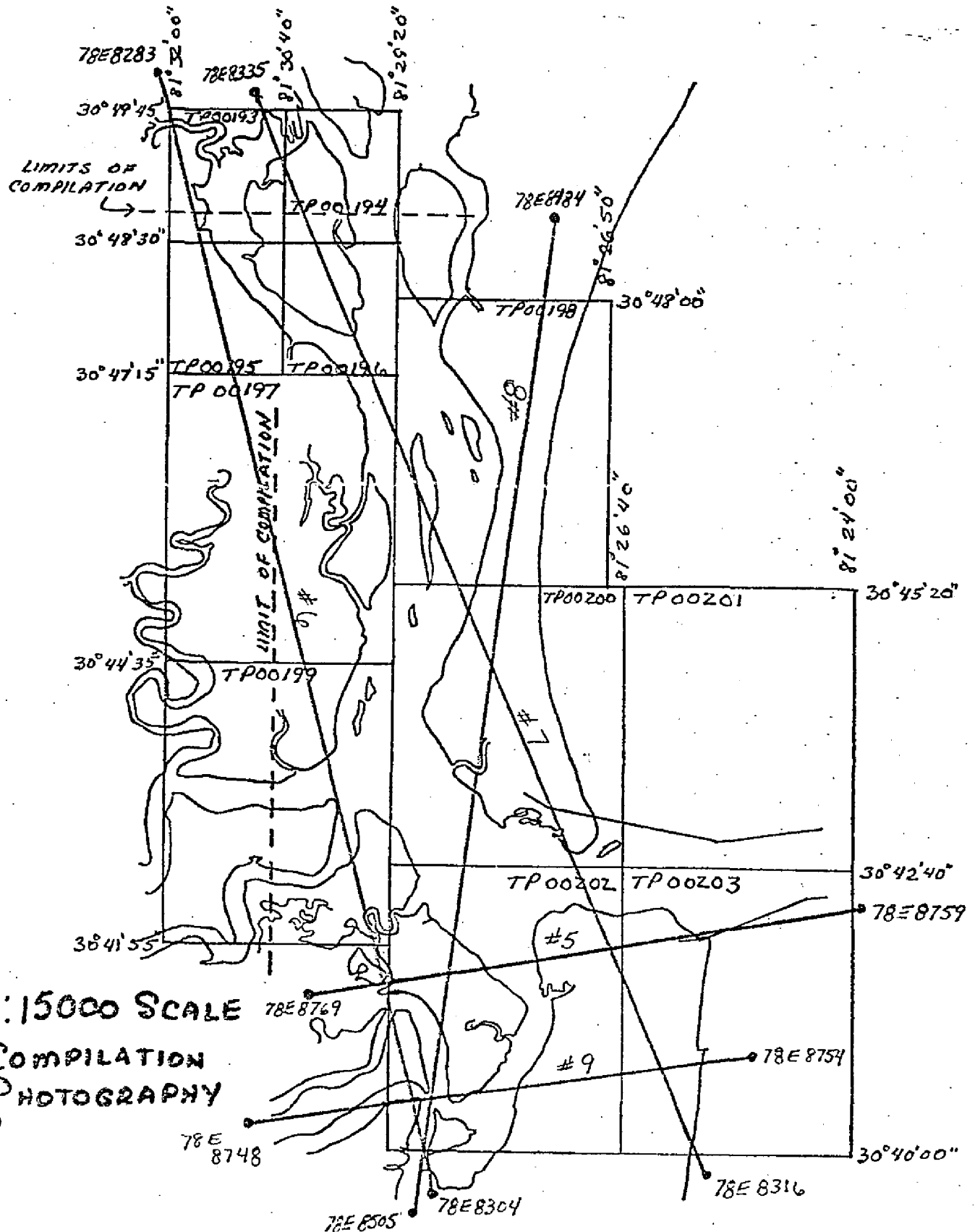
CM 7804 14
KINGS BAY TO ST MARYS ENTRANCE
GEORGIA-FLORIDA



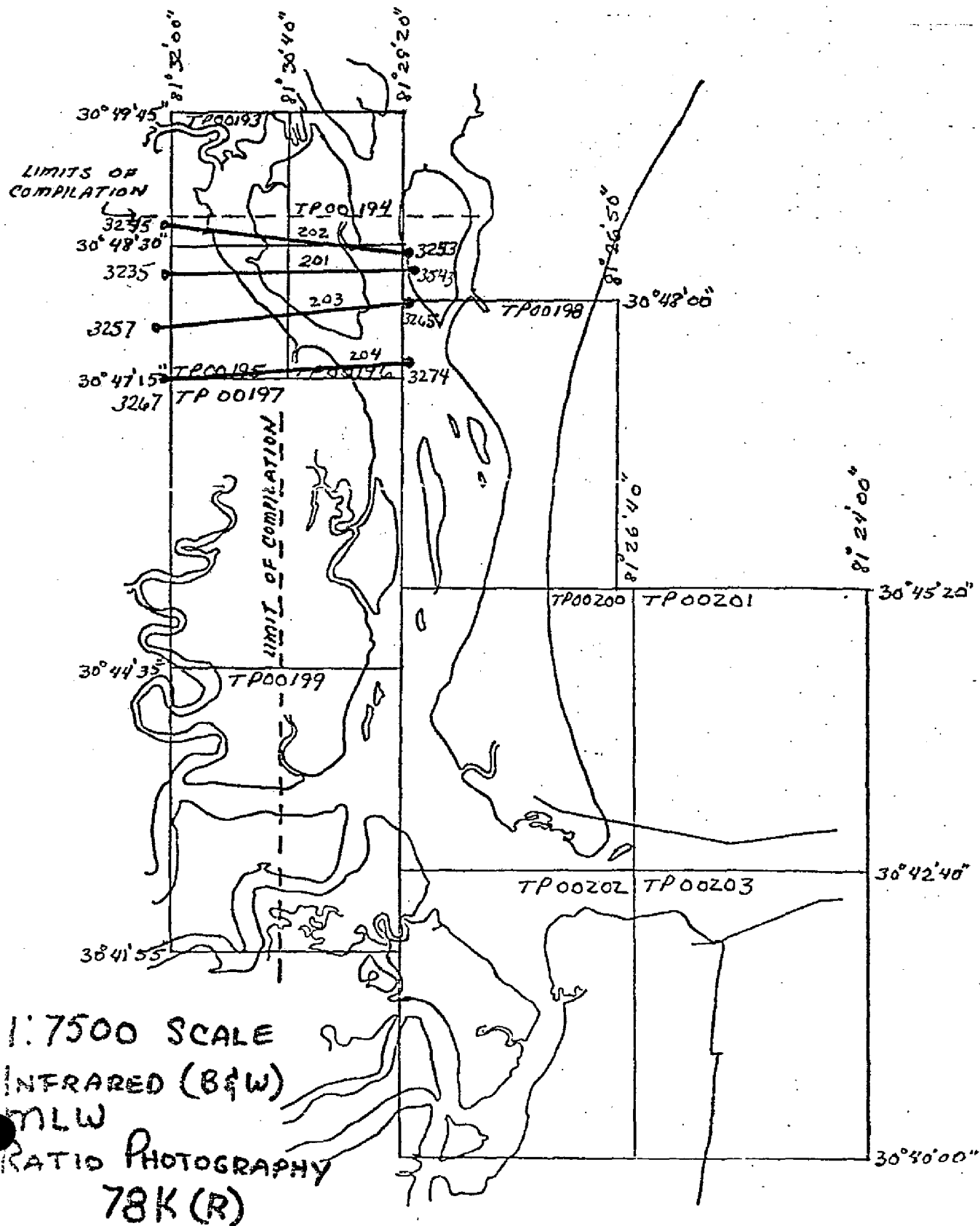
CM 7804 15
KINGS BAY TO ST MARYS ENTRANCE
GEORGIA-FLORIDA



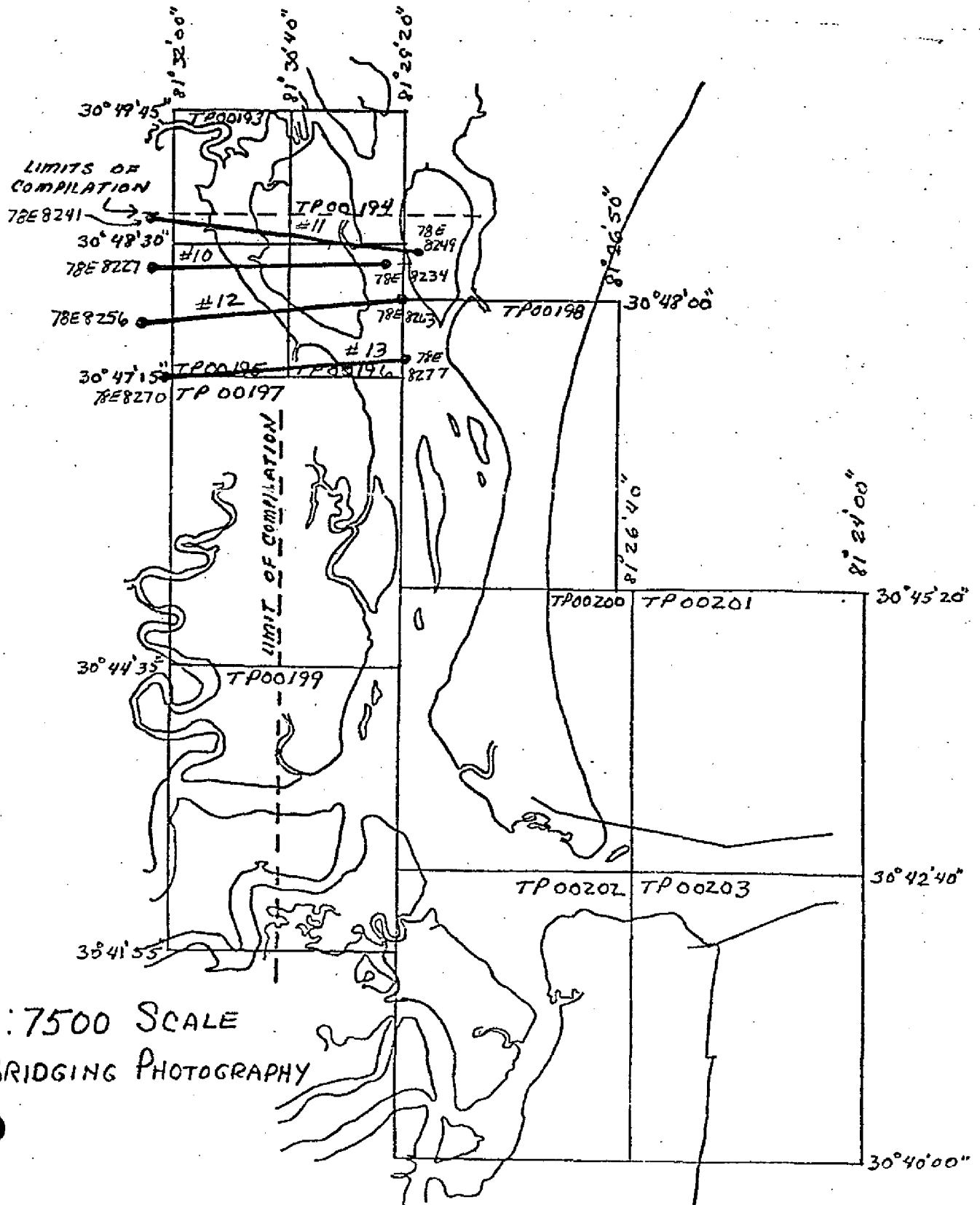
CM 7804 16
KINGS BAY TO ST MARYS ENTRANCE
GEORGIA-FLORIDA



CM 7804
 KINGS BAY TO ST MARYS ENTRANCE
 GEORGIA-FLORIDA



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



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEODETIC DATUM		AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY	REMARKS
			NA 1927	STATE		ZONE	East	ϕ LATITUDE	λ LONGITUDE		
TP-00196		CM-7804								Coastal Mapping Division, AMC	
	FORSAKEN 2, 1933	G.P. VOL I Page 47			788100	X= 705,867.26		ϕ 30°47' 36.942"			
						Y= 289,202.78		λ 81°30' 39.624"			
						X=		ϕ			
						Y=		λ			
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COMPILATION REPORT

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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 within the mapping area. There are nine navigational aids covered by this map; these were listed on the 76-40 form and forwarded to the field for verification.

38. CONTROL FOR FUTURE SURVEYS

Three fixed aids and three hydrographic signal sites were plotted for use by the hydrographic party. The geographic positions of these were established by Photo Party No. 62 by intersection triangulation.

39. JUNCTIONS

See the attached 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, Georgia, 1:24,000 scale, dated 1958; Cumberland Island South, Georgia, 1:24,000 scale, dated 1958.

47. COMPARISON WITH NAUTICAL CHARTS

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

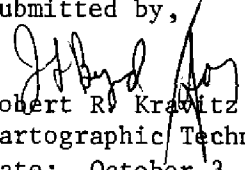
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

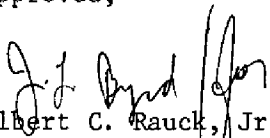
Submitted by,


Robert R. Krawitz
Cartographic Technician
Date: October 3, 1978

COMPILATION REPORT

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Approved,


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

ADDENDUM TO THE COMPILATION REPORT

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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. Several navigational aids were also verified or located.

This field information is not sufficient to reclassify the map as the shoreline was not field verified.

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SHORELINE

Approved for forwarding,

Billy H. Barnes

Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved,

G. F. Lewis

Chief, Photogrammetric Section, Rockville

Gregory L. Franzen

Chief, Photogrammetry Branch

7/26/83

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00196

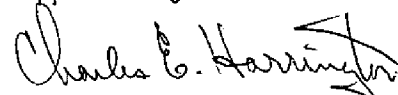
Crab Island

Cumberland Sound

Kings Bay Naval Submarine Support Base

Kings Bay

Approved by:



Charles E. Harrington
Chief Geographer, N/CG2x5

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				NONFLOATING AIDS OR LANDMARKS FOR CHARTS				ORIGINATING ACTIVITY			
REPORTING UNIT (Field Party, Ship or Office)		STATE		LOCALITY		DATE		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED		ORIGINATING ACTIVITY			
TO BE CHARTED TO BE REVISED TO BE DELETED		Coastal Mapping Unit Atlantic Marine Center Norfolk, VA		Georgia		Kings Bay to St. Marys Entrance		Oct. 3, 1978				<input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> PHOTO FIELD PARTY <input checked="" type="checkbox"/> COMPILATION ACTIVITY <input checked="" type="checkbox"/> FINAL REVIEWER (July 1983) <input type="checkbox"/> QUALITY CONTROL & REVIEW GRP. <input type="checkbox"/> COAST PILOT BRANCH (See reverse for responsible personnel)			
OPR PROJECT NO. G-324				JOB NUMBER CM-7804				SURVEY NUMBER TP-00196 (Final Class III)				DATUM NA 1927			
The following objects HAVE <input checked="" type="checkbox"/> BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.															
CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)	LATITUDE		LONGITUDE		POSITION		OFFICE		FIELD		CHARTS AFFECTED			
Light	* Kings Bay Range E Front Light (1978 Light List #524)	30 47.3	81 29.7	81 29.7	81 29.7	78E(P)8276 Mar 23, 1978	Light removed Nov. 1978	#11503 29th. ed. July 9/77							
Light	* Kings Bay Range E Rear Light (1978 Light List #525)	30 47.6	81 29.9	81 29.9	81 29.9	"	V Vis Nov 1978	"							
Light	Kings Bay Range F Front Light (1978 Light List #526) Light No Longer Published	30 47.6	81 30.1	81 30.1	81 30.1	"	Light Removed Nov 1978	"							
Light	Kings Bay Range F Rear Light (1978 Light List #527) Light No Longer Published	30 47.7	81 30.2	81 30.2	81 30.2	"	Light Removed Nov 1978	"							
Light	Kings Bay Light 31	30 47.6	81 30.4	81 30.4	81 30.4	78E(P)8275 Mar 23, 1978	Light removed Nov 1978	"							
Daybeacon	* Cumberland Sound Daybeacon 72	30 48.2	81 29.5	81 29.5	81 29.5	Beyond limits of controlled photographs	F-4-8-L Nov 1978	"							
Light	* Cumberland Sound Light 76	30 47.8	81 29.5	81 29.5	81 29.5	"	F-4-8-L Nov 1978	"							
Daybeacon	* Cumberland Sound Daybeacon 78	30 47.3	81 29.5	81 29.5	81 29.5	"	F-4-8-L Nov 1978	"							
Light	Cumberland Sound Range D Rear Light, 1978 (field position) * Aids have been physically relocated, out-dated positions according to 1983 Light List and 31st. chart ed. (#11503)	30 47	81 29	81 29	81 29	"	F-3-6-L July 1978	"							
							Horizontal cont.								

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	
POSITIONS DETERMINED AND/OR VERIFIED	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	J. Hancock, July 1978
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 P - Photogrammetric L - Located Vis - Visually V - Verified 1 - Triangulation 5 - Field identified 2 - Traverse 6 - Theodolite 3 - Intersection 7 - Planetable 4 - Resection 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	III. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 II. 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.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	
ORIGINATOR <input checked="" type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)	
FIELD ACTIVITY REPRESENTATIVE	
OFFICE ACTIVITY REPRESENTATIVE	
<input checked="" type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	

REVIEW REPORT TP-00196

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:

Harrietts Bluff, Georgia, dated 1958
Cumberland Island South, Georgia, dated 1958

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with a copy of smooth sheets H-9801, 1:5,000 scale, verified December 1979 and H-9805, 1:2,500 scale verified September 1979. Survey H-9805 indicates extensive dredging has taken place in Kings Bay, especially along the shore leading to the Naval Submarine Support Base, since the March 1978 photography.

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, 1983

Chart 11503 and the 1983 Light List indicate the physical relocation of most of the navigational aids common to this Class III map. Comments on the final 76-40 form reflect the comparison between the 1978 and currently charted positions.

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

