

TP-00879

TP-00879

NOAA FORM 76-35 (3-78)	
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-00879	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 STAFFORD ISLAND	
<div style="border: 1px solid black; padding: 5px; text-align: center;">19 78 TO 19</div>	
REGISTRY IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY TP. 00879	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. (1)	
				<input type="checkbox"/> RESURVEY		MAP CLASS Final Class	
				<input type="checkbox"/> REVISED		JOB CM-PH-7804 III	
PHOTOGRAMMETRIC OFFICE				LAST PRECEDING MAP EDITION			
Coastal Mapping Div., Norfolk, VA				TYPE OF SURVEY		JOB PH-	
OFFICER-IN-CHARGE				<input type="checkbox"/> ORIGINAL		MAP CLASS	
Roy K. Matsushige, CDR				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
				<input type="checkbox"/> REVISED		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				4. GRID(S)			
Transverse Mercator				STATE Georgia		ZONE East	
5. SCALE 1:5,000				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				D. Butler		Dec. 1978	
COMPILATION CHECKED BY				L. Neterer		Dec. 1978	
INSTRUMENT: Wild B-8				N.A.			
SCALE: 1:5,000				N.A.			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				D. Butler		Dec. 1978	
CHECKED BY				C. Blood		Jan. 1979	
METHOD: Smooth draft and graphic				N.A.			
CHECKED BY				N.A.			
SCALE: 1:5,000 HYDRO SUPPORT DATA BY				N.A.			
CHECKED BY				N.A.			
5. OFFICE INSPECTION PRIOR TO FIELD BOOK BY				C. Blood		Jan. 1979	
6. APPLICATION OF FIELD DATA BY				R. Kravitz		Mar. 1979	
CHECKED BY				F. Mauldin		Mar. 1979	
7. COMPILATION SECTION REVIEW BY				F. Mauldin		Mar. 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	

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 <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Eastern MERIDIAN 75th <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
78E(P) 8489-8491	Mar 24, 1978	13:25	1:15,000	0.2 ft. below M.L.W.	
78K(I) 3450-3451	"	"	"	"	
78E(P) 8327-8328	Mar 23, 1978	15:12	1:15,000	0.8 ft. below M.L.W.	
78K(I) 3313	"	"	"	"	
				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		
No survey	*TP-00657 (CM-7306) Atlantic Ocean	TP00198	TP-00194 TP-00196		
REMARKS					
*This map (TP-00879) overlays into TP-00657 (CM-7306). No suitable junction was made along the coastline of the Atlantic Ocean; this is due to the natural changes over a 5 year period.					

TP-00879

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	N.A. N.A. N.A.
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	N.A.

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
None		N.A.	
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

None

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

1 Project Field Report, list of geographic position of hydrographic signal sites and fixed navigational aids within the project area.

TP-00879
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD ~~INS~~ OPERATION (See NOTE, Item #8)

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	L. Beugnet	Feb. 1979
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	N.A. N.A. N.A.
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 BY	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	L. Beugnet
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N.A.

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

N.A.

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 Film 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-00879
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete	Jan. 1979	Class III manuscript	None	None
Various field information applied	Mar. 1979	Class III manuscript	May 1979	May 1979
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	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: _____

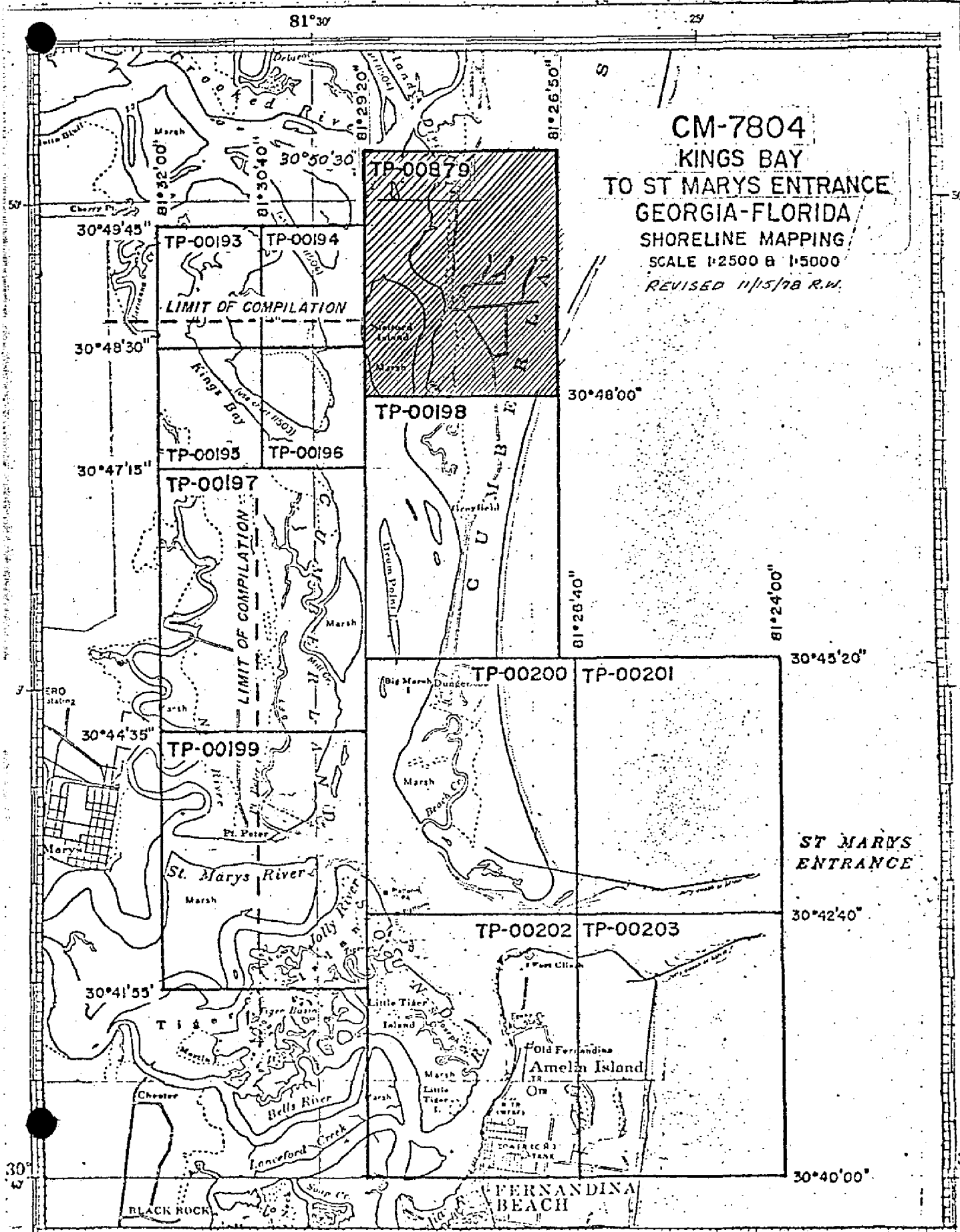
III. FEDERAL RECORDS CENTER DATA

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



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00879

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 defines the northeast limit of the project and includes portrayal of the shoreline along the east side of Stafford Island.

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 January 1979 by the Coastal Mapping Section at the Atlantic Marine Center. Problems concerning delineation of the apparent shoreline are addressed in Item #35 of the Compilation Report. Copies of this map were forwarded to Marine Charts and to the hydrographer.

No standard field edit operation was accomplished for this map. However, a field investigation was performed in February 1979 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-00879

Final review was performed at the Atlantic Marine Center in August 1983. A final Chart Maintenance Print was prepared and forwarded to the Marine Chart Branch. Also a hydrographic print was forwarded to 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-00879

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

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.

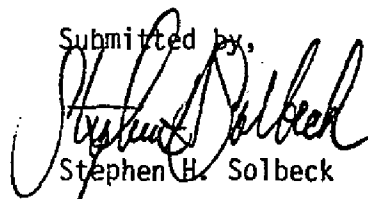
24. Supplemental Data

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

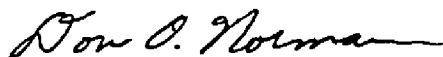
The coverage, overlap, and quality of the photography were adequate for the job.

Submitted by,



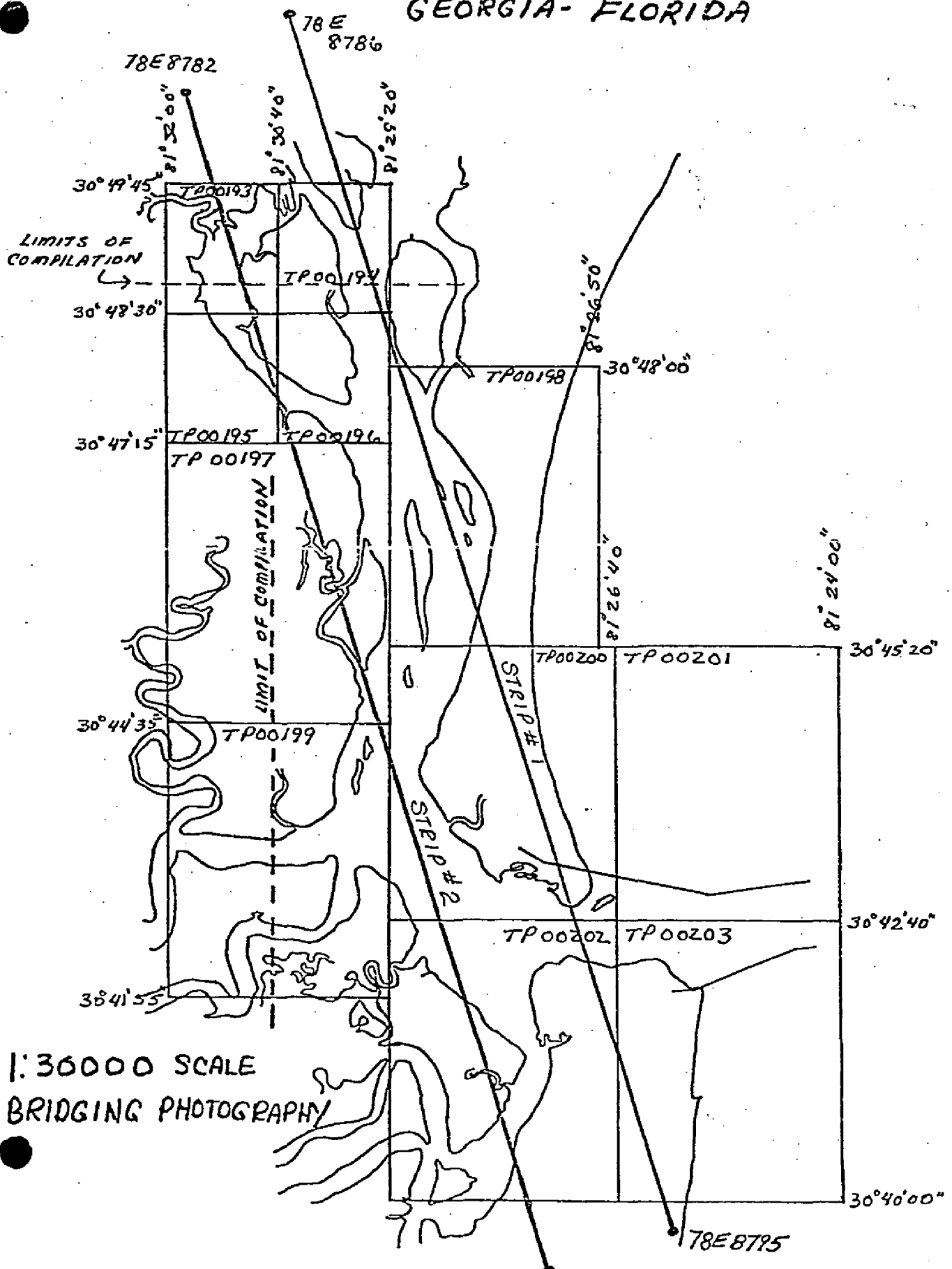
Stephen H. Solbeck

Approved and Forwarded:

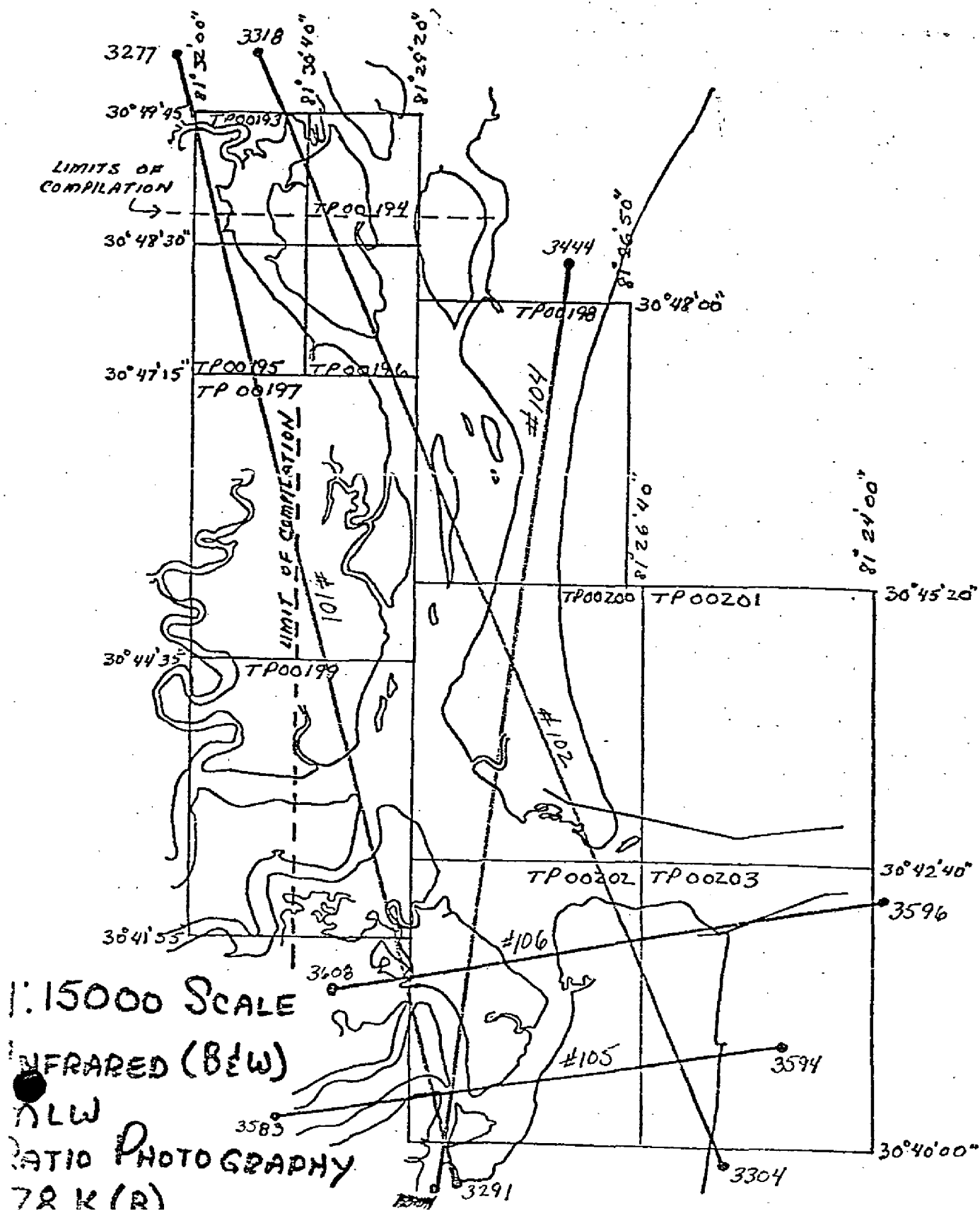


Don O. Norman
Acting Chief, Aerotriangulation Section

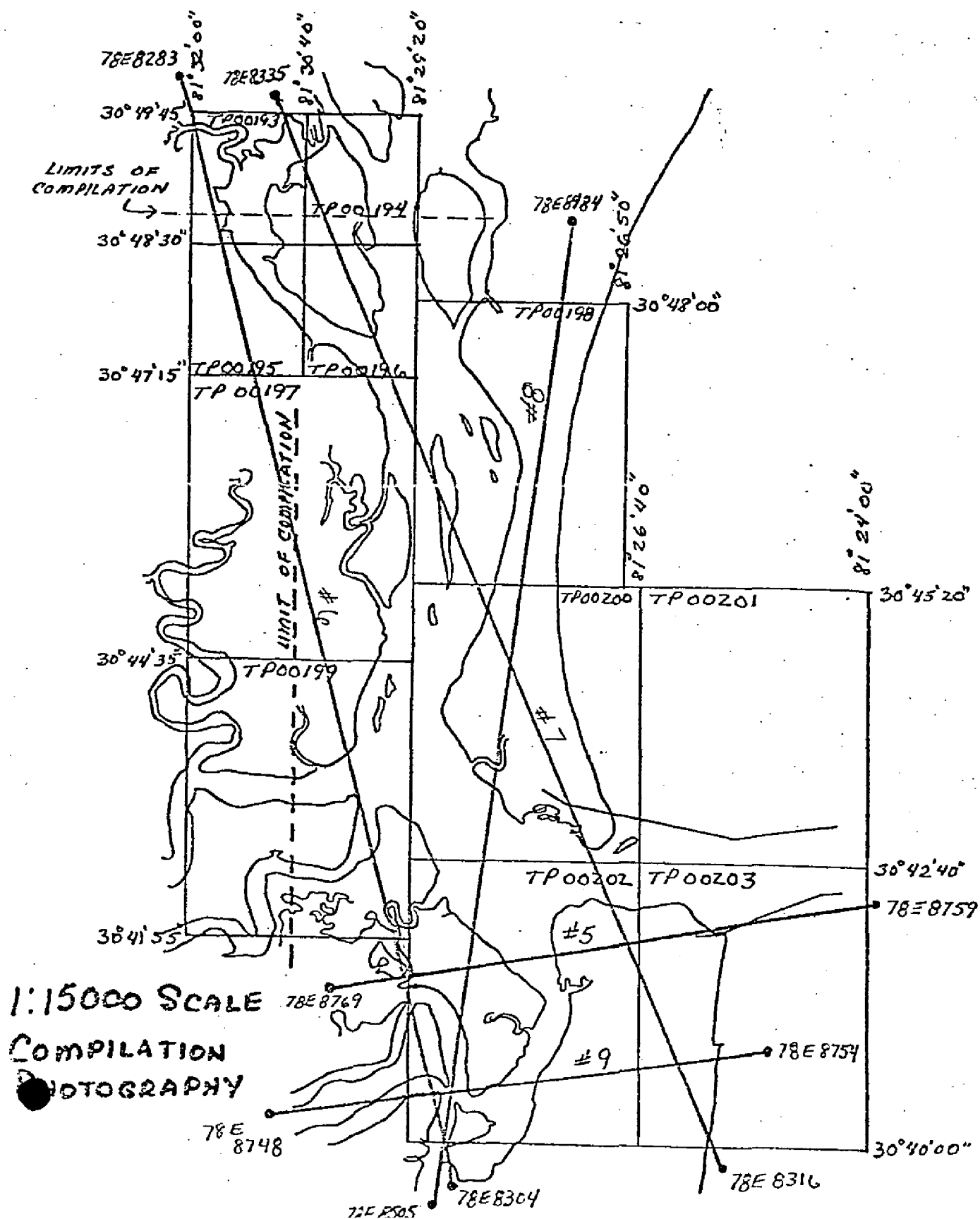
CM 7804 14
KINGS BAY TO ST MARYS ENTRANCE
GEORGIA-FLORIDA



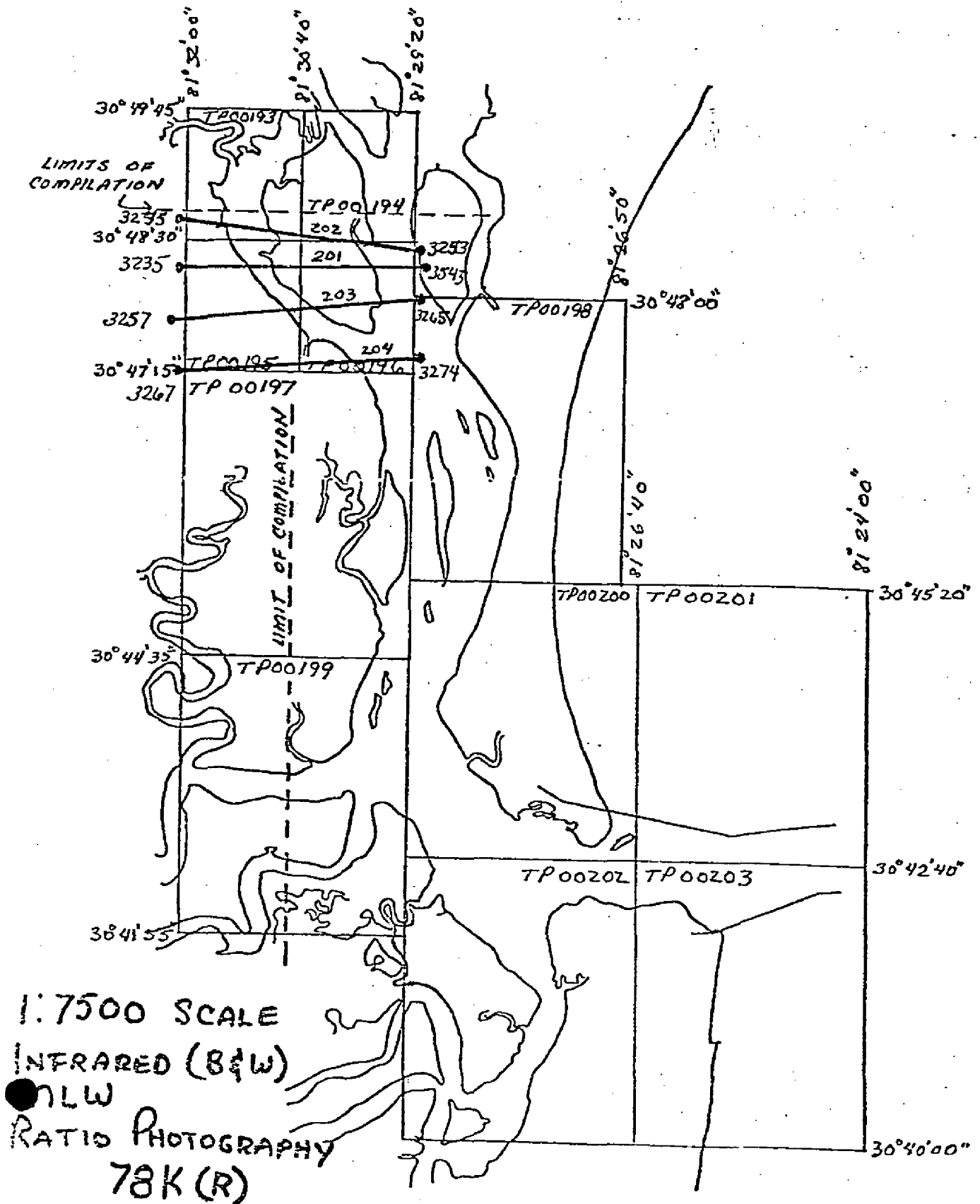
CM 7804
 KINGS BAY TO ST MARYS ENTRANCE
 GEORGIA-FLORIDA



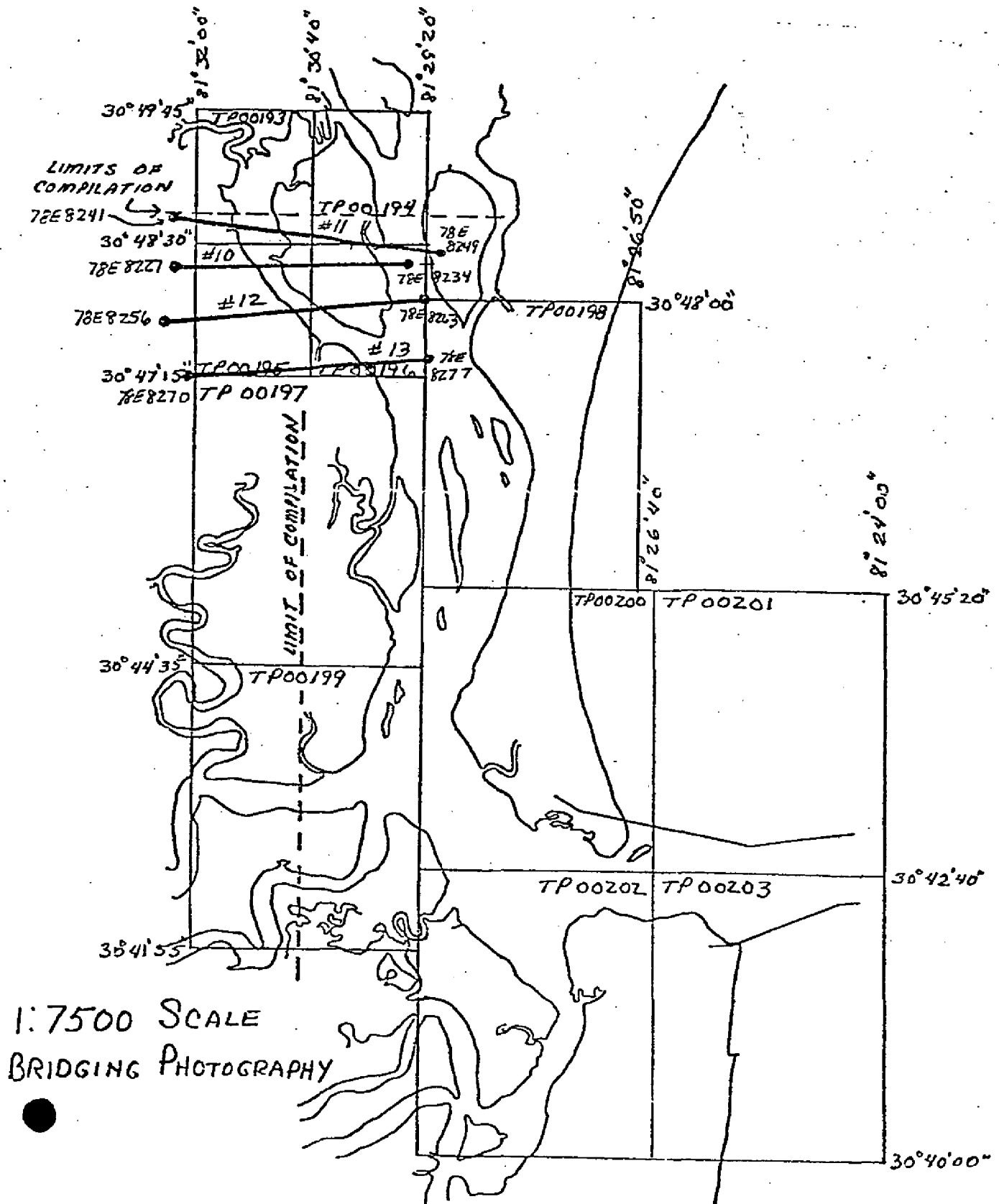
CM 7804 16
 KINGS BAY TO ST MARYS ENTRANCE
 GEORGIA-FLORIDA



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



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



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	GEODETIC DATUM		COORDINATES IN FEET STATE ZONE	GEOGRAPHIC POSITION		ORIGINATING ACTIVITY	REMARKS	
					N.A. 1927	East		ϕ LATITUDE	λ LONGITUDE		Front	BACK
TP-00879	CM-7804	CUMBERLAND ISLAND ✓ WINDMILL, 1933 (Windmill destroyed, tank exist)	G.P. Quad. ✓ 300811 sta. 1021				x=	ϕ 30°48' 54.498" ✓		Coastal Mapping Division, AMC	1678.3'	(169.4)
							y=	λ 81°28' 08.160" ✓			216.9'	(1377.9)
		STAFFORD, 1860 ✓	GP Quad ✓ 300811 sta. 1015				x=	ϕ 30°49' 13.563" ✓			417.7'	(1430.0)
							y=	λ 81°28' 19.228" ✓			511.1'	(1083.7)
							x=	ϕ				
							y=	λ				
							x=	ϕ				
							y=	λ				
							x=	ϕ				
							y=	λ				
							x=	ϕ				
							y=	λ				
							x=	ϕ				
							y=	λ				
							x=	ϕ				
							y=	λ				
							x=	ϕ				
							y=	λ				
COMPUTED BY	D. Butler									COMPUTATION CHECKED BY	L. O. Neterer, Jr.	DATE Dec 6, 1978
LISTED BY	A. C. Rauck, Jr.									LISTING CHECKED BY	D. Butler	DATE Dec 6, 1978
HAND PLOTTING BY	D. Butler									HAND PLOTTING CHECKED BY	F. Mauldin	DATE Jan 1979

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

COMPILATION REPORT

TP-00879

31. DELINEATION:

Delineation was accomplished using stereo instrument and graphic compilation methods. Compilation was confined to the photo coverage as stated in the Amendment to the Project Instructions dated Dec., 1978. Instrument compilation was used to delineate shoreline, along-shore, and interior detail based upon office interpretation of the 1:15,000 scale panchromatic compilation photographs. Tide coordinated M.L.W. infrared photographs, taken in tandem with the compilation photography, were used to graphically compile the approximated 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.

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 appears 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 none within the limits of this manuscript.

38. CONTROL FOR FUTURE SURVEYS:

None

39. JUNCTIONS:

See 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 U.S. Geological Survey Quadrangle: Cumberland Island South, Georgia, scale 1:24,000, 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 to be applied.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by,

David P. Butler

Cartographic Technician

Date: December 15, 1978

Approved,

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section

ADDENDUM TO THE COMPILATION REPORT

TP-00879

Field information provided in February 1979 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-00879

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 Cumberland Island South, Ga., 1:24,000 scale, dated 1958.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

The contemporary hydrographic activity associated with this project did not extend into the area covered by this map.

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

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with 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. Jones
Chief, Photogrammetric Section, Rockville

Gregory L. Fennell
Chief, Photogrammetry Branch

7/26/83

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00879

Atlantic Ocean

Cumberland Island

Oldhouse Creek

Stafford

Stafford Island

Approved by:

Charles E. Harrington

Charles E. Harrington
Chief Geographer, N/CG2x5

