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. Edition No. TP-00203
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
AMELIA ISLAND
1978 TO 19
REGISTRY IN ARCHIVES
DATE

\*U. S. GOVERNMENT PRINTING OFFICE:1976-669-248

NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY	SURVEY TP-00203
	ORIGINAL .	MAP EDITION NO. (1)
DESCRIPTIVE REPORT - DATA RECORD	☐ RESURVEY	MAP CLASS Final Class
	REVISED	III Joe CM <b>-PM-</b> 7804
PHOTOGRAMMETRIC OFFICE	LAST PRECEED	ING MAP EDITION
Coastal Mapping Div, Norfolk VA	TYPE OF SURVEY	JOB PH-
OFFICER-IN-CHARGE	ORIGINAL	MAP CLASS
Roy K. Matsushige, CDR	RESURVEY	SURVEY DATES:
I. INSTRUCTIONS DATED  1. OFFICE	2.	FIELD
1		
Aerotriangulation May 5, 1978	Control Identific	ation April 28,1978
Compilation June 22, 1978		<del>-</del>
Amendment #1 Aug. 17, 1978		
Amendment #2 Dec. 4, 1978		
Registration (Memo) July 14, 1983		
	·	
II. DATUMS		
1. HORIZONTAL: XX 1927 NORTH AMERICAN	OTHER (Specify)	
MEAN HIGH-WATER	OTHER (Specify)	
XXMEAN LOW-WATER	:	
2. VERTICAL: MEAN LOWER LOW-WATER		
MEAN SEA LEVEL		
3. MAP PROJECTION		GRID(S)
Transverse Mercator	Georgia	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	<u> </u>	
2. CONTROL AND BRIDGE POINTS PLOTTED BY	S. Solbeck	July 1978
METHOD: Coradomat CHECKED BY	S. Solbeck	July 1978
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY	J. Moler	Aug. 1978
COMPILATION CHECKED BY	L. Neterer, Jr.	Aug. 1978
INSTRUMENT: Wild B-8 CONTOURS BY SCALE: 1:5,000 CHECKED BY	N.A.	
SCALE: 1:5,000 CHECKED BY  4. MANUSCRIPT DELINEATION PLANIMETRY BY	N.A. J. Moler	Aug. 1978
CHECKED BY	A. Rauck, Jr.	Aug. 1978
	N.A.	
метнор: Smooth draft and graphic снескер ву	N.A.	
HYDRO SUBBORT OATA BY	N.A.	
SCALE: 1:5,000 CHECKED BY	N.A.	
5. OFFICE INSPECTION HEX AND XXX XXX XXX XXX XXX XXX BY	A. Rauck, Jr.	Aug. 1978
6. APPLICATION OF FIELD KON DATA	F. Margiotta	Mar. 1979
CHECKED BY	F. Mauldinte	Mar. 1979
7. COMPILATION SECTION REVIEW BY	F. Mauldin	Mar. 1979
8. FINAL REVIEW CLASS III BY	J. Hancock	July 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	NOU 1984

NOAA FORM 76-36B			·		NT OF COMMERCE
(3-72)		mn 00000	NATIONAL OCEAN	C AND ATMOSPHERIC NATION	C ADMINISTRATION AL OCEAN SURVEY
	СОМ	TP-00203 PILATION SO	URCES		
1. COMPILATION PHOTOGRAPHY			<u> </u>		
CAMERA(S) Wild R.C. 8, " E=152.71mm and K=151			PHOTOGRAPHY GEND	TIME REF	ERENCE
TIDE STAGE REFERENCE	1	(C) COLOR		zone Eastern	XX STANDARD
REFERENCE STATION RECOF	RDS	(P) PANCHRO		MERIDIAN	
TIDE CONTROLLED PHOTOG	RAPHY	(I) INFRARE	D	75th	LJOATEIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE C	FTIDE
78E(P) 8316-8319 78K(I) 3305-3306	Mar 23,1978	15:12	1;15,000	0,8 ft. abov	е M,L,W,
78E(P) 8759-8762 78K(I) 3597-3600	Apr 2,1978	11:25	1:15,000	0,6 ft, aboy	е M.L.W.
78E(P) 8753-8755 78K(I) 3591-3592	Apr 2,1978	11:18	1:15:000	0,4 ft. abov	e M.L.W.
	1			Mean Range =	5,8 ft.
REMARKS		<del></del>	<u> </u>	<u> </u>	
Panchromatic and inf	rared photograp	ohs taken i	n tandem,		
2. SOURCE OF MEAN HIGH-WAT	ER LINE:		<del>-</del>		
The mean high w				erpretation o	f the
compilation photogra	phs taken with	the "E" ca	mera.		
		. <u></u> _			
	ER OR MEAN LOWER LO	W-WATER LINE:			
3. SOURCE OF MEAN LOW-WATE		omniled ora	phically from	n the tide coo	rdinated
The mean low wa	ter line was co These were o	coordinated	to predicted	i fides and ta	iken Mitu
The mean low wa	nter line was co . These were o	coordinated	to predicted	i tides and ta	keu Mitu
The mean low wa	ater line was co . These were o	coordinated	to predicted	i fides and ta	ken Witu

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY US
. FINAL JUNCTION	IS EAST		SOUTH	WE	şī
		None	Nones		Tp=00202.

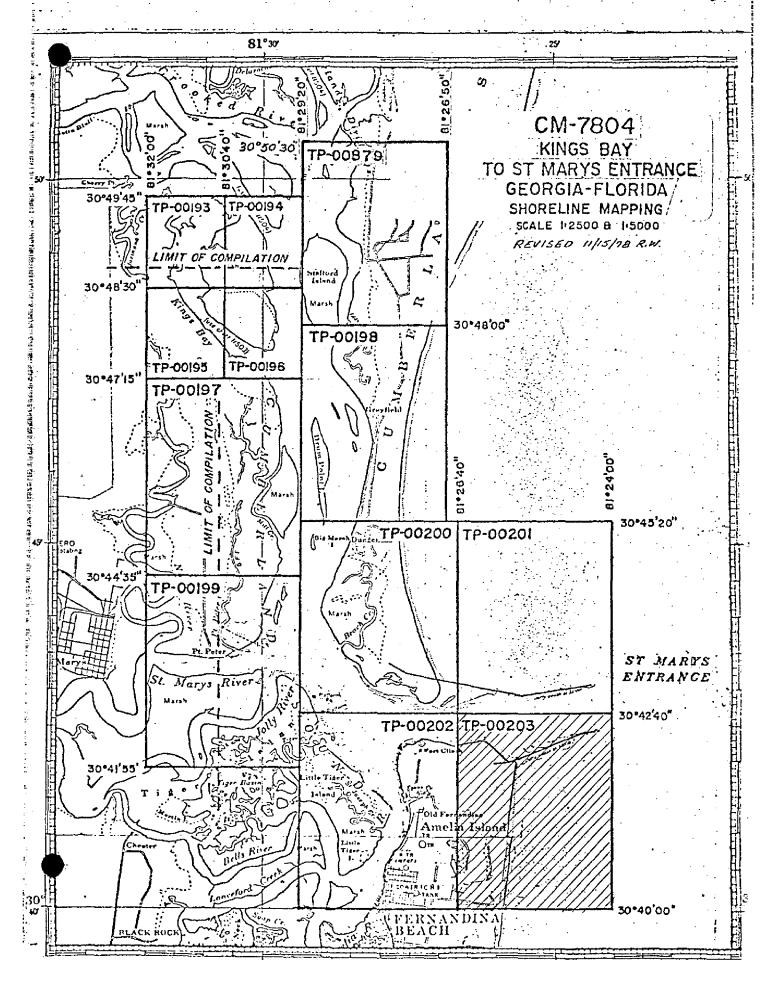
NOAA FORM 76-360 (3-72)			NIC AND ATMOSPHERIC	NT OF COMMERCI ADMINISTRATION AL OCEAN SURVE
	TP-002 History of Field	03 OPERATIONS		
1. 🙀 FIELD <b>KOKK</b>	KXNEW OPERATION (Hor. Cont.) FIELD	D EDIT OPERATION		<u> </u>
	OPERATION	,	NAME	DATE
. CHIEF OF FIEL	TRAP C.	D 7711		1070
· · · · · · · · · · · · · · · · · · ·	RECOVERED BY	R. Tibbetts R. Ledbette		May 1978 May 1978
. HORIZONTAL C		R. Ledbette		May 1978
	PRE-MARKED OR IDENTIFIED BY	R. Ledbette		May 1978
	RECOVERED BY	N.A		
. VERTICAL CON	ITROL ESTABLISHED BY	N.A.		<u> </u>
	PRE-MARKED OR IDENTIFIED BY	N.A.		1070
. LANDMARKS A	RECOVERED (Triangulation Stations) BY	Re Ledbette	<u> </u>	May 1978
AIDS TO NAVIG		None None	<del></del>	
	TYPE OF INVESTIGATION .	None		
, GEOGRAPHIC N	P.V.			
INVESTIGATION	SPECIFIC NAMES ONLY			
	NO INVESTIGATION	<del></del>		<u> </u>
, PHOTO INSPEC		None		
'. BOUNDARIES A I. SOURCE DATA		[_N_A		<u> </u>
<del></del>	ONTROL IDENTIFIED	2. VERTICAL CON	ITROL IDENTIFIED	
*		N.A		
РНОТО NUMBER	STATION NAME	PHOTO NUMBER	STATION DES	IGNATION
78E(P)8794 (contact)	Amelia Island Light House ECC., 1978 (Sub Sta. A & B) Amelia Island Lighthouse			
. PHOTO NUMBE	RS (Clarification of details)			
None				
. LANDMARKS AI	ND AIDS TO NAVIGATION IDENTIFIED		<del></del>	
~~				
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT	NAME
78E(P)8794	Amelia Island Light			
5. GEOGRAPHIC N	IAMES: REPORT XX NONE	6. BOUNDARY AN	D LIMITS: REPO	RT XX NONE
. SUPPLEMENTA	L MAPS AND PLANS	<del></del> ;		
None				
1 Form 76-53 1 Form 76-63 a list of ge	RECORDS (Sketch books, etc. DO NOT list data submit 3, 1 Form 76-86, 1 Form 382, 1 For 7, 3 pages of penciled computation eographic positions of hydrograph: ne project area.	rm 76-72, 1 F ns, 1 Project	orm 76-184(2), Field Report a	ınd

NOAA FORM 76—36C (3—72)	HISTORY OF FIELD	NATIONAL OCEANIC A		
I. FIELD INSPECTION (	PERATION XX FIEL	DEEM OPERATION (See	e NOTE, Item	#8)
	OPERATION	NAME		DATE
1. CHIEF OF FIELD PARTY	r			1070
	RECOVERED BY	A. Bryson None		Nov 1978
2. HORIZONTAL CONTROL		None		<del></del>
	PRE-MARKED OR LDENTIFIED BY	None		
	RECOVERED BY	N.A.		-
3. VERTICAL CONTROL	ESTABLISHED BY	N.A.		
	PRE-MARKED OR IDENTIFIED BY	N.A.		
	RECOVERED (Triangulation Stations) BY	A. Bryson		Nov 1978
4. LANDMARKS AND	LOCATED (Field Methods) BY	None		
AIDS TO NAVIGATION	(DENTIFIED BY	None		
	TYPE OF INVESTIGATION	1		1
5, GEOGRAPHIC NAMES INVESTIGATION	COMPLETE			
INVESTIGATION	SPECIFIC NAMES ONLY			•
	NO INVESTIGATION			1070
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	A. Bryson		Nov 1978
7. BOUNDARIES AND LIMIT	S SURVEYED OR IDENTIFIED BY	I N.A.		
1. HORIZONTAL CONTROL	IDENTIFIED	2. VERTICAL CONTROL	DENTIFIED	
None		N.A		
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESI	GNA TIÓN
3. PHOTO NUMBERS (Clarif	ication of details)		<del>_</del>	·· <del>·</del>
None				
4. LANDMARKS AND AIDS T	TO NAVIGATION IDENTIFIED			
None				
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT	AME
5. GEOGRAPHIC NAMES:	REPORT THONE	6. BOUNDARY AND LIM	ITS: REPOR	T YEST NONE
7. SUPPLEMENTAL MAPS		10. DOGINANT VAD CIMI	LINGFOR	T YY NONE
None				
1 Paper Fie NOTE: Segme	(Sketch books, etc. DO NOT list data submit eld Discrepancy Print ented field activity perform notogrammetric processing.			features

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

### RECORD OF SURVEY USE

ļ.				RECO	RD OF SURVE	Y USE								
I. MANUSCRIF	T COPIES		•								·			
	COI	APIL A	TION	STAGE	S			DATEM	IANUSCRI	PT FORW	RDED			
DAT	TA COMPILED		DATE	E	RE	MARKS		MARINE	CHARTS	HYDRO 5	UPPORT			
Compilat	ion Complete	Auş	g. 1	978	Class II	I manuscı	ript	Oct.	1978	Oct.	1978			
Various applied	field informatio		r. 1	979	Class II	I manusci	ript	None		None				
Final Re	view Class III	Ju	l <b>y 1</b>	983	Final Cla	ass III N	Map	APR	1984					
II. LANDMAR	KS AND AIDS TO NAVIGA	гюн												
1. REPORT	TS TO MARINE CHART DI	VISIO	N, NA	UTICAL	DATA BRANCH									
(Pages)	CHART LETTER Number Assigned	FC	DAT				REMA	ARKS						
1	<del></del> :	APR	₹	1984	Aid for	Charts								
		<del></del>				•					_			
											_			
2.   REF	PORT TO MARINE CHART	AIVI	SION	COAST	DU OT BRANCH	DATE FORM	VAROED:							
	PORT TO MERONAUTICAL								ARDED:					
	RECORDS CENTER DAT		DILE	ICATE	BRIDGING REPO	RT: CC	MPUTF	R READO	uTS.					
	NTROL STATION IDENTIF										•			
3. 🔲 so	URCE DATA (except for Ge COUNT FOR EXCEPTION:	ograp												
4. 🔲 DA	TA TO FEDERAL RECOR	DS CE	ENTER	R. DAT	E FORWARDED:					<b>.</b> .	!			
IV. SURVEY I	EDITIONS (This section s	ali be	comp	leted ea	ch time a new maj	edition is re	gisteredi	i		•				
	SURVEY NUMBER		JOB	NUMBEI				TYPE OF			-			
SECOND	TP	(2)	-	•			∐ RE\		RES	URVEY				
EDITION	DATE OF PHOTOGRAPH	Y	DATI	E OF FI	ELD EDIT	<b>□</b> 11.	Om.	MAP C	LAS\$	□ FINA	<b>4</b> L			
•	SURVEY NUMBER		JOB	NUMBER	₹		_	TYPE OF						
THIRD	TP -	(3)					REV		RES	URVEY				
EDITION	DATE OF PHOTOGRAPH	Y	DATE	E OF FI	ELD EDIT	<b>□</b> 11.	□m.	MAP C						
	SURVEY NUMBER		JOB I	NUMBER	₹		_	YPE OF						
FOURTH		(4)	PH				∐ REV		RES	ÜRVEY				
EDITION	DATE OF PHOTOGRAPH	٧	DATE	OF FI	ELD EDIT	п	П	MAP C		П				



## SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

#### TP-00203

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 southeast limit of the project and includes the southern portion of St. Marys Entrance as the shoreline is portrayed along the outer coast of Amelia 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 August 1978 by the Coastal Mapping Section at the Atlantic Marine Center. No problems were encountered other than the one referenced in the compilation report concerning the delineation of the most seaward segment of the St. Marys Entrance south jetty. 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-00203

Final review was performed at the Atlantic Marine Center in July 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-00203

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.

## 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 indent-ification 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-IMDENTICATION

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-indentified 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-indentified on photograph

No. 78 E 8794. Station Amelia Lighthouse, 1905 was occupied to locate sub-stations.

#### CIRCLE NO. 3

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

#### CIRCLE NO. 5

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

#### CIRCLE NO. 6

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

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

Respectfully submitted:

Ronal E. L. Shitter

Ronald E. Ledbetter

Approved and Forwarded:

Koluf & T. blutta 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 requiremtns 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 ash control between the control for the strip adjustments.

#### 25. Photography

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

Stephen H. Solbeck

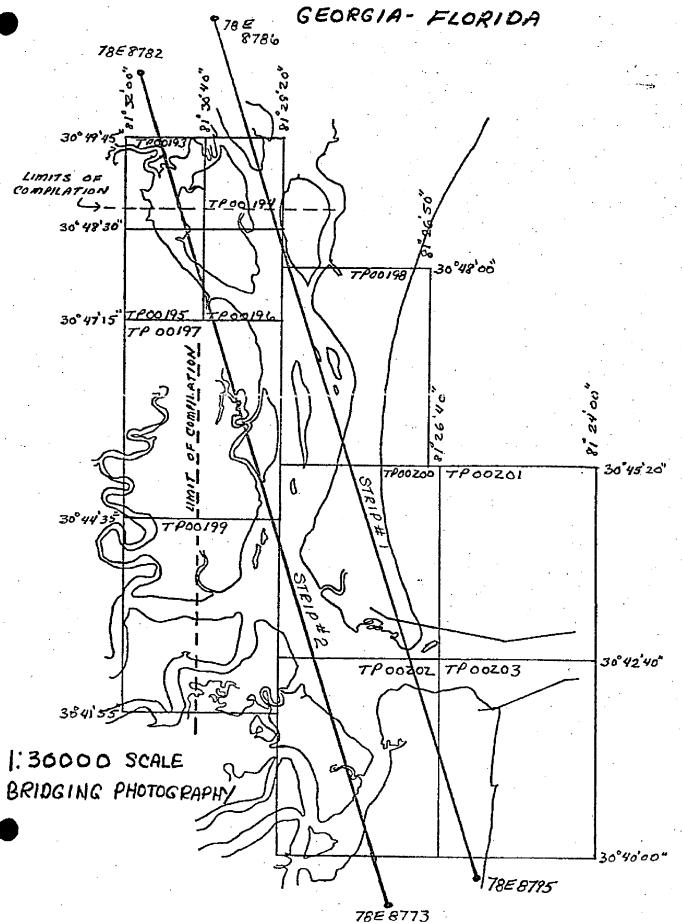
Approved and Forwarded:

Don O. Norma

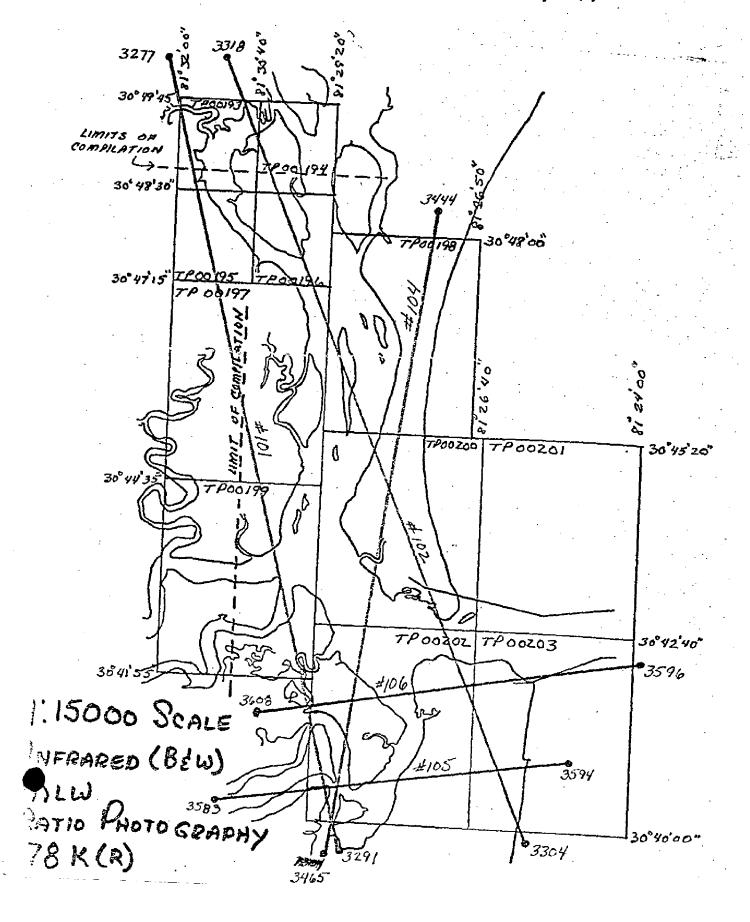
Don O. Norman

Acting Chief, Aerotriangulation Section

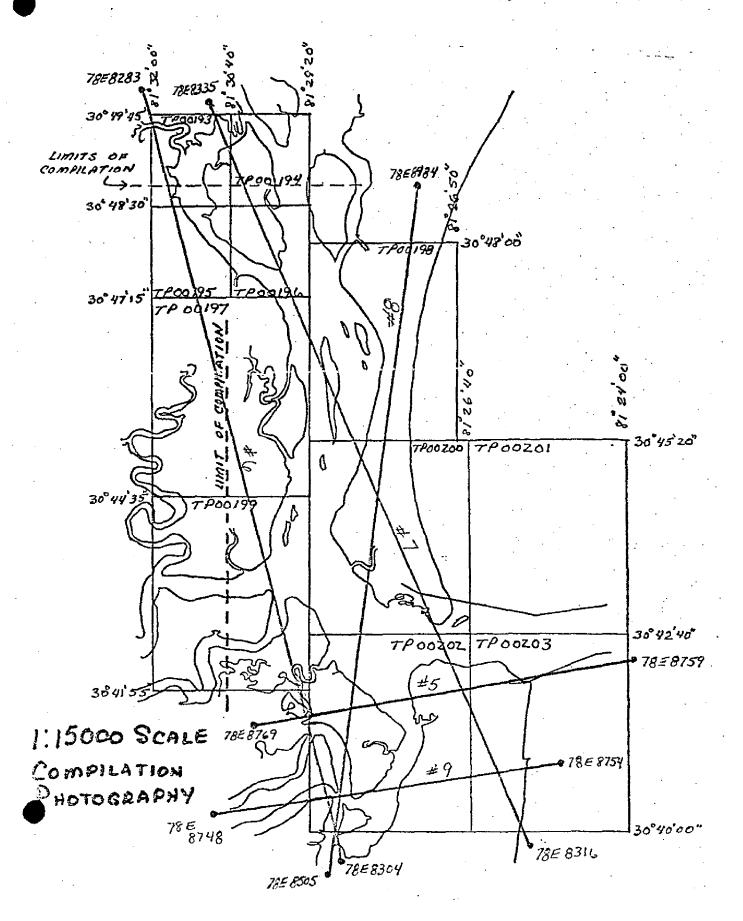
.14 Cm 7804 KINGS BAY TO ST MARYS ENTRANCE



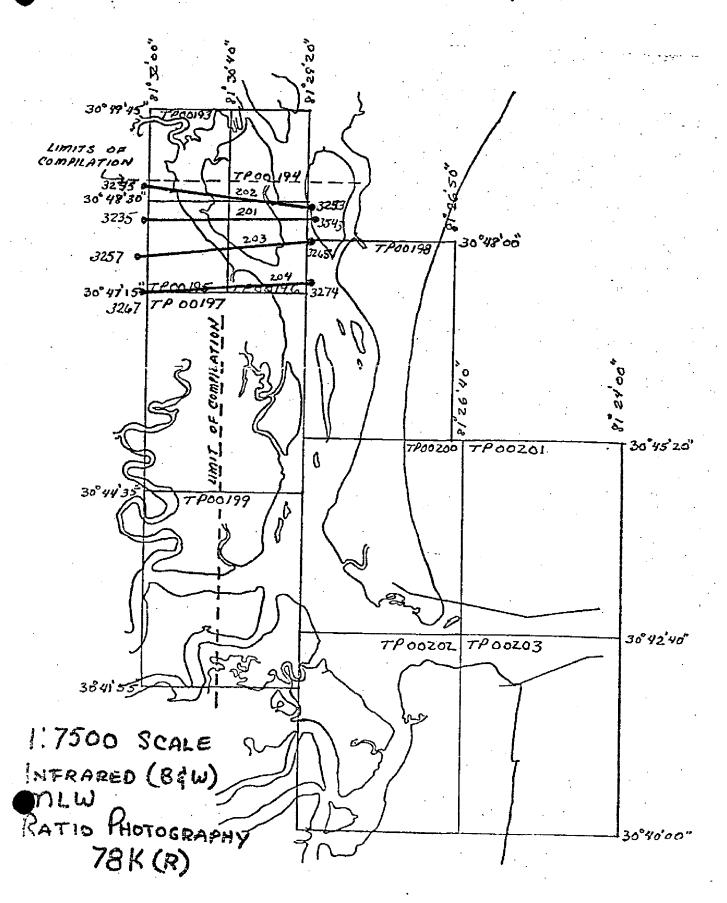
# KINGS BAY TO ST MARYS ENTRANCE GEORGIA- FLORIDA



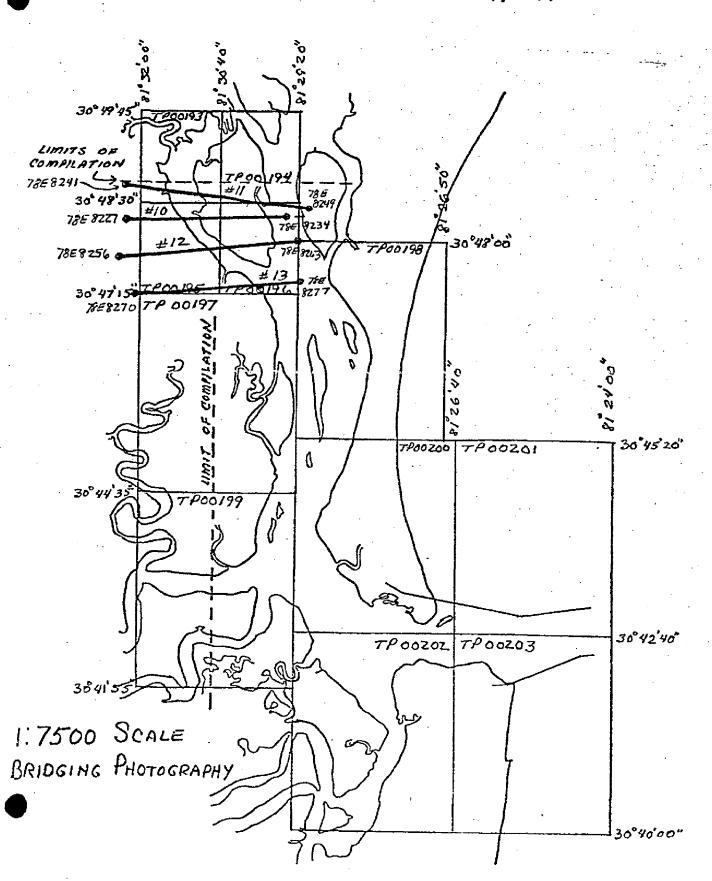
16 Cm 7804 KINGS BAY TO ST MARYS ENTRANCE GEORGIA- FLORIDA



## Cm 7804 KINGS BAY TO ST MARYS ENTRANCE GEORGIA- FLORIDA



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



The Table   The	(6–75)		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		
Source of Markey   Source of Markey   State   Coordinates in Feet   Coordinates in Fee			70	GEODETIC DATUM N.A. 1927		Division,
1954   Page 955   S9	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT		GEOGRAPHIC POSITION	REMARKS
1954   Page 955   59   9=		G.P. VOL.			30042	
1954   C.P. VOL. I   R=   255   60   31-96.85   4 30°42"   06.502"	1954	Page 955		h=	81024	
Name   1, 1954   1, 955   600   4   225, 969, 13   13   13   13   14   19   19   19   19   19   19   19		18		x=730,196.85	300421	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	FERNA, 1954		.09	y= 225,969.13	810261	
1905   1906   1906   2	Check for A to the control of the co	VOL		χ=	30040	v
NAD ECC., 1978         Field Comp. 76-41         X= $\phi$ 30040' 22.482"           ECC., 1978 $\frac{76-41}{2}$ $\frac{76-41}{2}$ $\frac{76-41}{2}$ $\frac{76-41}{2}$ $\frac{76-61}{2}$ </td <td>05</td> <td>" 37</td> <td></td> <td>y=</td> <td>81°26' 33.600"</td> <td></td>	05	" 37		y=	81°26' 33.600"	
ECC., 1978         Page 1         794100 $\mu =$ $\lambda$ 81026' 33.561" $\lambda$ 81026' 33.561" $x = 0$ $x = 0$ $\phi$ $\phi$ $\phi$ $\phi$ $x = 0$ $x = 0$ $\phi$ $\phi$ $\phi$ $x = 0$ $\phi$ $\phi$ $\phi$ $x = 0$ $\phi$	AMELIA ISLAND	Field Comp.		χ=	30040	*
$x=$ $\phi$ $\phi$ $x=$ $\phi$		/b-41 Page 1	794-100	y=	81026' 33.561"	
C. Rauck, Jr. $h$				χ=	φ	
x=         p           y=         3           y=         3           y=         4           x=         p           y=         3           x=         p           y=         3           x=         p           y=         x=           y=         p				=ĥ	7	
C. Rauck, Jr. $y=$ $\lambda$				χ=	φ	
C. Rauck, Jr. $x=$ $\phi$ $A$				· =ħ	γ	
C. Rauck, Jr.         Date 7/3/78 $\frac{y=}{y=}$ $\lambda$				χ=	ф	
C. Rauck, Jr.         Amone $k = 0$				y=	У	
C. Rauck, Jr.  Rauck, Jr.  Rauck, Jr.  None			101.0	<b>x=</b>	φ	
C. Rauck, Jr.  Ra				y=	У	
C. Rauck, Jr.  Rauck, Jr.  Rauck, Jr.  Rauck, Jr.  Rauck, Jr.  Date 7/3/78 LISTING CHECKED BY  None  A p  A p  A pote July 11, Bate Date Date Date Date Date Date Date D				χ=	ф	
C. Rauck, Jr.  Rauck, Jr.  Rauck, Jr.  None $\frac{\chi^{=}}{y^{=}}$ Date July 11, 10, 10, 10, 10, 10, 10, 10, 10, 11, 10, 11, 11				y=	У	
C. Rauck, Jr.  Rauck, Jr.  Rauck, Jr.  None  DATE 7/5/78  LISTING CHECKED BY  J. Moler  DATE July 11,  Moler  DATE July 11,  DATE July 11,  DATE July 11,  DATE DATE DATE DATE DATE DATE DATE DAT				χ=	ф	
C. Rauck, Jr. Date 7/3/78 LISTING CHECKED BY J. Moler July 11,  Rauck, Jr. Date 7/3/78 LISTING CHECKED BY J. Moler Date July 11,  None Date Date July 11,				y=	7	
Rauck, Jr. DATE 7/3/78 LISTING CHECKED BY J. MOLEY DATE JULY II,  None DATE HAND PLOTTING CHECKED BY None DATE	A. C. Rauck.		7/5/	COMPUTATION CHECKED BY J.	Moler	July 11,
None DATE HAND PLOTTING CHECKED BY None	A.C. Rauck,		= 7/3/	J.	Moler	July 11,
			DATE		None	DATE

#### COMPILATION REPORT

#### TP-00203

#### 31. DELINEATION:

Delineation was accomplished using stereo instrument and graphic compilation methods. Instrument compilation was used to delineate shappershape 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 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. Adequate photo coverage and quality were provided.

#### 32. CONTROL:

Refer to the Photogrammetric Plot Report dated July, 1978. Horizontal control was adequate for this map except for the most seaward portion of the south jetty at St. Marys Entrance. The extension of photogrammetric horizontal control could not be obtained for this feature because of the lack of fixed imagery in the water. Refer to item #36.

#### 33. SUPPLEMENTAL DATA:

None

#### 34. CONTOURS AND DRAINAGE:

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

#### 35. SHORELINE-AND ALONGSHORE DETAILS:

Shoreline and alongshore details were compiled as described in item #31. 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 rationinfrared M.L.W. photographs provided by aerotriangulation.

#### 36. OFFSHORE DETAILS:

The south jetty protecting St. Marys Entrance was compiled by instrument methods; however, horizontal control was limited to only one half of the stereo model. A limit of controlled photo coverage was designated on the map.

#### 37. LANDMARKS AND AIDS:

There are no charted landmarks and only one fixed aid within the limit 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.G.S. quadrangle: Fernandina Beach, FL-GA ;21:24,000 scale, 1958, photorevised 1970.

#### 47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with NOS 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:

Submitted by:

Kobert R. Kravitz Cartographic Technician

Sept. 12, 1978

Approved,

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section

#### ADDENDUM TO THE COMPILATION REPORT

TP-00203

Field information provided in November 1978 was applied according to the field discrepancy print submitted. 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-00203

#### 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 Fernandina Beach, FL-GA, 1:24,000 scale, dated 1958, photorevised 1970.

#### 64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with a copy of smoothsheet H-9800, 1:5,000 scale, verified February 1980. Shoreline and alongshore detail were transferred from the original Class III compilation. No discrepancies were observed during this comparison.

No contemporary hydrographic survey was accomplished south of Lat.  $30^{\circ}$  42.0'.

#### 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 the Project Instructions, and meets the requirements for National Standards of Map Accuracy.

Submitted by:

Jeny L. Hancock Final Reviewer

Approved for forwarding:

Boll W. Barnes Billy H. Barnes

Chief, Photogrammetric Section, AMC

Approved:

Chief, Photogrammetric Section, Rockville

Chief, Photogrammetry, Branch

#### .GEOGRAPHIC NAMES

#### FINAL NAME SHEET

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

.TP-00203

Amelia Island

Atlantic Ocean

Egans Creek

Fernandina Beach

Fort Clinch State Park

St. Marys Entrance

Approved by:

Charles E. Harrington Chief Geographer, N/CG2x5

6 ACTIVITY PARTY	COMPLETION ACTIVITY FINAL REVIEWER  QUALITY CONTROL & REVIEW GRP.	onsible personnel)		CHARTS	AFFECTED	,	11503											
ORIGINATING ACTIVITY  HYDROGRAPHIC PARTY  GEODETIC PARTY  BUTTO FIRE PARTY	COAST PLOT BRANCH	(See reverse for responsible personnel)	E OF LOCATION	on reverse side)	•	FIELD	Triang Rec. Nov. 1978				,							
U.S. DEPARTMENT OF COMMERCE OCEANIC AND ATMOSPHERIC ADMINISTRATION CHARTS	Marys Aug 1978		METHOD AND DATE OF LOCATION	(See instructions on reverse side)		OFFICE	78K(I).3305 Mar.23,1978	•										
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OR LANE	STATE FL	been inspected from seaward to determine their value as landmarks. SURVEY NUMBER DATUM	203	203		igation. n parentheses)	1905)						a :	•				
ING AIDS	ng Div.	been inspected f	TD_00003	77-70		or aid to nay applicable, i	1											
	REPORTING UNIT (Field Park, Sing office Castal Mappil AMC, Norfolk,	HAVE HAVE NOT	- CMC_7807	+00/Lin	DESCRIPTION	Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	Amelia Island Light (Amelia Island Lighthouse,											
100AA FORM 76-40 (8-74) Replaces C&GS Form 567.	TO BE CHARTED TO BE REVISED TO BE DELETED	The following objects OPR PROJECT NO.	76 37	. #77 5		NAME Show to	Light Am									-		

*FIELD POSITIONS are determined by field obser- vations based entirely upon ground survey methods.		A. Field positions* requir	3 - Intersection 7 - Pi 4 - Resection 8 - Se	1 1 .	DETERMI plicable			the number and date nd year) of the phot	OFFICE IDENTIFIED AND LOCATED OBJECTS	īz	AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	FORMS ORIGINATED BY QUALITY CONTROL	COLLICAS DE LEXAMINED AND/OR VERSITED			OBJECTS INSPECTED FROM SEAWARD		TYPE OF ACTION	
are determined by field obser- ntirely upon ground survey methods.		require entry of method of	Planetable Sextant	Field identified Theodolite	NED OR VERIFIED  data by symbols as follows: P - Photogrammetric Vis - Visually		ject.	(including month,	TED OBJECTS	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE O (Consult Photogrammetric Instructions No. 64,	í							NAME	RESPONSIBLE PERSONNEL
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ods.	IC FIELD POSITIONS are dependent in part, upon control established		date.		ION STATION RECOVERED  dmark or aid which is also a tri- station is recovered, enter 'Triang. date of recovery. Triang Rec	32	to locate or identify the object. P-8-V	method of location or verification, field work and number of the photo-	field positions** require		REPRESENTATIVE	REVIEWER	OFFICE ACTIVITY REPRESENTATIVE	FIELD ACTIVITY REPRESENTATIVE	OTHER (Specify)	GEODETIC PARTY	HYDROGRAPHIC PARTY	ORIGINATOR	

NOAA FORM 78-40 (8-74)

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

#### NAUTICAL CHART DIVISION

#### **RECORD OF APPLICATION TO CHARTS**

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO	 

#### INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.

2. In "Remarks" column cross out words that do not apply.

3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review

CHART	DATE	CARTOGRAPHER	REMARK\$
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