

TP-01005

TP-01005

NOAA FORM 76-35 (3-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. TP-01005	Edition No. 1
Job No. CM-7816	
Map Classification Final Field Edited	
Type of Survey Shoreline	
LOCALITY	
State Florida	
General Locality St. Augustine	
Locality Capos Island to Anastasia Island	
1979 TO 1980	
REGISTRY IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED		SURVEY TP. <u>01005</u> MAP EDITION NO. <u>1</u> MAP CLASS <u>Final field edited</u> JOB <u>PH-CM-7816</u>	
DESCRIPTIVE REPORT - DATA RECORD				LAST PRECEDING MAP EDITION TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED			
PHOTOGRAMMETRIC OFFICE Rockville, Md.				JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__			
OFFICER-IN-CHARGE Cmdr. James Collins							
I. INSTRUCTIONS DATED							
1. OFFICE General Instructions-Office-NOS-Cooperative Coastal Boundary Mapping Job PH-7000 9 December 75 Office 18 August 1977 Amendment I - 3 January 1978 Amendment II - 7 March 1978				2. FIELD Field Instructions - 27 December 1976 Field - 11 August 1977 Amendment - Field Edit Procedures 30 January 1978			
II. DATUMS							
1. HORIZONTAL: ☒ 1927 NORTH AMERICAN				OTHER (Specify)			
2. VERTICAL: ☒ MEAN HIGH-WATER ☒ MEAN LOW-WATER ☐ MEAN LOWER LOW-WATER ☐ MEAN SEA LEVEL				OTHER (Specify)			
3. MAP PROJECTION Transverse Mercator				4. GRID(S) STATE <u>Florida</u> ZONE <u>East</u> STATE _____ ZONE _____			
5. SCALE 1:20,000							
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION METHOD: Analytic				BY R. Kelly		June 1979	
LANDMARKS AND AIDS BY				N/A			
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat				PLOTTED BY J. Taylor		Oct 1979	
CHECKED BY				N/A			
3. STEREOSCOPIC INSTRUMENT COMPILATION				PLANIMETRY BY		N/A	
CHECKED BY							
INSTRUMENT:				CONTOURS BY		N/A	
SCALE:				CHECKED BY			
4. MANUSCRIPT DELINEATION				PLANIMETRY BY		J. Schad	
CHECKED BY				C. Lewis		Sept 1979	
METHOD: Graphic				CONTOURS BY		N/A	
CHECKED BY							
SCALE: 1:20,000				HYDRO SUPPORT DATA BY		N/A	
CHECKED BY							
5. OFFICE INSPECTION PRIOR TO FIELD EDIT				BY D. Brant		Oct 1979	
6. APPLICATION OF FIELD EDIT DATA				BY F. Wright		April 1980	
CHECKED BY				C. Lewis		April 1980	
7. COMPILATION SECTION REVIEW				BY F. Wright		April 1980	
8. FINAL REVIEW				BY P. Dempsey		April 1984	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH				BY			
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH				BY P. Dempsey		April 1984	
11. MAP REGISTERED - COASTAL SURVEY SECTION				BY E. DAUGHERTY		Nov 1984	

COMPILATION SOURCES

TP-01005

1. COMPILATION PHOTOGRAPHY

CAMERA(S) <u>Wild RC-10</u>		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE ☐ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☒ TIDE CONTROLLED PHOTOGRAPHY		(C) <u>COLOR</u> (P) <u>PANCHROMATIC</u> Rx) <u>INFRARED</u>		ZONE <u>Eastern</u>	☒ STANDARD
				MERIDIAN <u>75th</u>	☐ DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
79 ZC 9434-9445	15 Mar 79	1440	1:20,000	The stage of tide is inapplicable for this photography Refer to NOAA form 76-36 B(1) for tide data	
79 CP 8478-8481	7 Mar 79	1133	1:60,000		
79 CR 9149-9151	15 Mar 79	1025	1:60,000		
79 CR 8710-8712	8 Mar 79	1048	1:60,000		
79 CR 8265-8269	12 Mar 79	1416	1:60,000		
REMARKS					

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the MHW line is the tide-coordinated infrared photography listed in item 1 above. Where the shoreline is obscured by vegetation, such as mangrove, the apparent shoreline symbol was used.

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

The source of the MLW line is the tide-coordinated infrared photography listed in item 1 above.

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-01003	N/A	TP-01007	N/A

REMARKS

Final junctions were made by the Coastal Mapping Section

NOAA FORM 76-36B(1)
(7-75)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TIDE - COORDINATED PHOTOGRAPHY

TP - TP-01005

LOCATION AND PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE	MEAN RANGE
79 CR 9149-51	St. Augustine	-0.51 Inside	MHW
79 CR 8710-12	St. Augustine	+0.07 Inside	MLW
79 CR 8265-69	Mayport	-0.24 Outside	MLW

REMARKS:

HISTORY OF FIELD OPERATIONS

TP-01005

1. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. S. Tibbetts	4/7/80
2. HORIZONTAL CONTROL	RECOVERED BY	
	ESTABLISHED BY	
	PRE-MARKED OR IDENTIFIED BY	
3. VERTICAL CONTROL	RECOVERED BY	
	ESTABLISHED BY	
	PRE-MARKED OR IDENTIFIED BY	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY	J. E. Dunford
	LOCATED (Field Methods) BY	4/7/80
	IDENTIFIED BY	J. E. Dunford
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	☐ COMPLETE	
	☐ SPECIFIC NAMES ONLY	
	☒ NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

79 CP 8477, 8478, 8479, 8480 and 9151

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

Stack

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
79 CP 8478	Stack		

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

7. SUPPLEMENTAL MAPS AND PLANS

Blueprint of reconstructed pier and sketch of new pier. Plat for new marina, Lat. 29° 55' 00", Long. 81° 18' 30".

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

RECORD OF SURVEY USE

TP-01005

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Class III	Sept 1979			
Final	April 1980			

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER Pages	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
7		22 Aug 80	Digitized forms (76-40) submitted

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

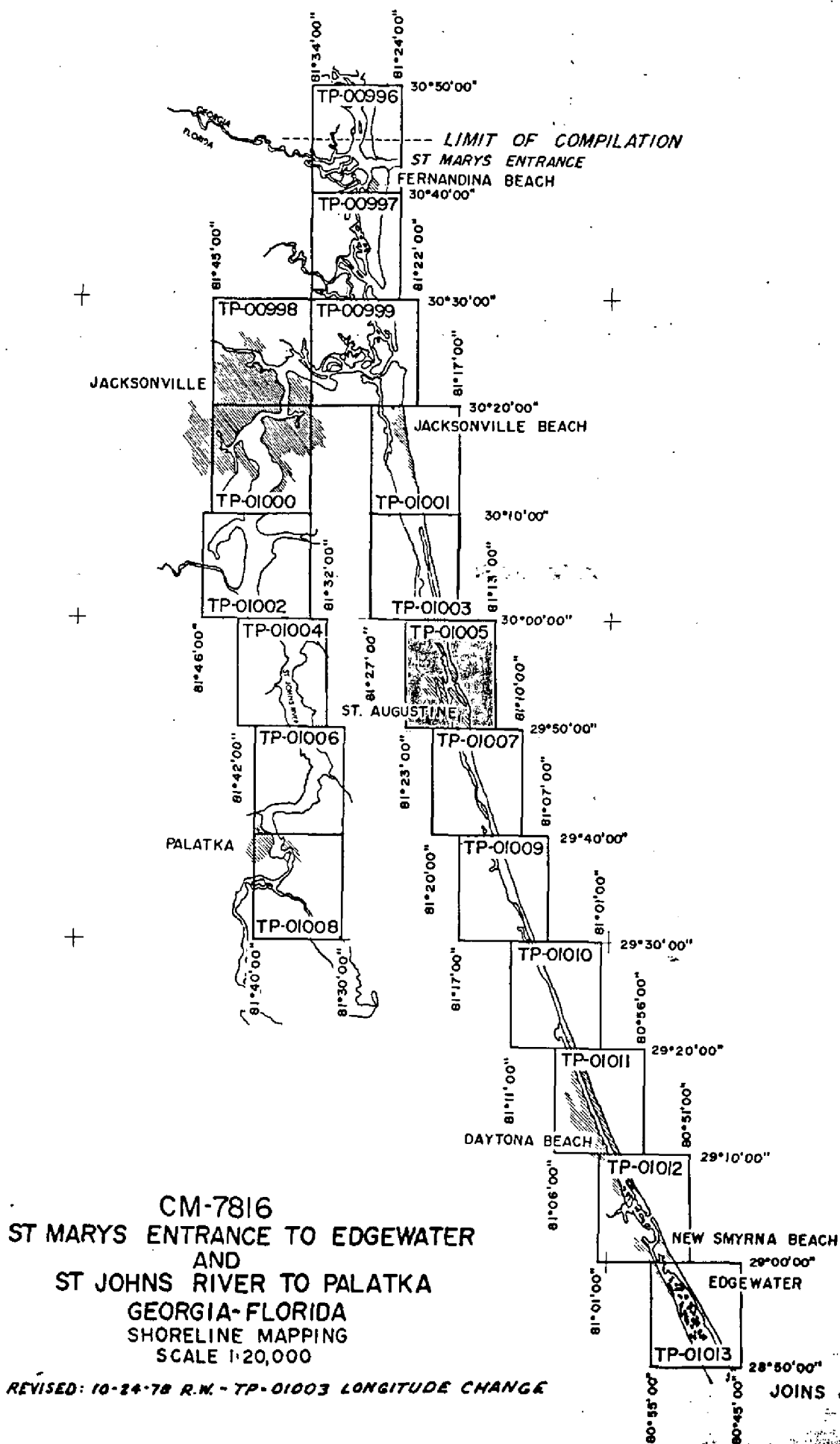
III. FEDERAL RECORDS CENTER DATA

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 ☐ REVISED ☐ RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL	



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT
TP-01005

Coastal Zone Map TP-01005 is one of eighteen 1:20,000 scale shoreline maps in project CM-7816. These maps are intended for planning purposes for the state of Florida and for the construction and maintenance of NOS Nautical Charts.

The layout for CM-7816 shows the location of the individual maps from St. Marys Entrance to Edgewater and from St. Johns River to Palatka. A copy of the layout is included in this Descriptive Report. Field operations consisted of premarking horizontal control and photographing the area, establishing tidal datums and performing the field edit.

Color compilation photography was taken with the Wild RC-10-Z camera at 1:20,000 scale in March, 1979 and used in clarifying detail and compiling landmarks and aids to navigation. The shoreline was compiled using 1:60,000 scale black and white, infrared MHW and MLW, ratio photography taken with the Wild RC-10-C camera in March, 1979.

The Aerotriangulation Unit in Rockville, Maryland bridged five strips of 1:60,000 scale black and white photography using analytic aerotriangulation methods.

Compilation was completed in the Coastal Mapping Unit, Rockville, Maryland, using graphic methods.

Field edit was completed in April, 1980. Recovery and location of landmarks, fixed aids to navigation, piling, etc. were omitted from the field edit procedures as per memo, dated January 30, 1978, from Chief, Coastal Mapping Branch. These items were compiled, to the extent possible, by office photogrammetric methods. The edit was required to only visually verify their existence at the time of edit. Their locations were not field checked. Field edit requirements in the foreshore and adjacent areas remain unchanged.

Application of field edit was performed in the Coastal Mapping Unit, Rockville, Maryland.

Final Review was performed in the Quality Control Unit, Rockville, Maryland in April, 1984. This map meets the requirements for National Standards of Map Accuracy.

The context of this Descriptive Report contains all pertinent reports and listings of data used to compile the final map.

Photogrammetric Plot Report

CM-7816

St. Marys Entrance to Edgewater and

St. Johns River to Palatka

Georgia - Florida

November 1, 1979

21. Area Covered

This report covers 18 1:20,000 sheets, TP-00996 thru TP-01013 of St. Marys Entrance to Edgewater and St. Johns River to Palatka, Georgia and Florida. Bridging and adjustment of strip 1 were completed and turned over to compilation June 29, 1979. Strips 2 and 3 were completed and turned over to compilation July 6, 1979.

22. Method

In trying to adjust strip 3 to strip 2 the common control and tie points indicated that there may be a problem in the photography. To obtain the best adjustment of strip 2 film distortion correction was not used. Strip 3 was also adjusted not using film distortion correction. A deviation of control and tie points of strip 3 from strip 2 was made not using film distortion correction. From this analysis it was determined that there is a good fit between the two strips.

Pt. No.	<u>Film Distortion</u> <u>Correction</u>		<u>No Film Distortion</u> <u>Correction</u>	
	<u>X</u>	<u>Y</u>	<u>X</u>	<u>Y</u>
498101	0.0	0.0	0.0	0.0
498801	-5.4	3.1	-0.9	5.8
498802	-0.1	0.5	-1.4	0.0
495801	5.1	5.1	-2.1	3.9
495802	7.1	8.3	0.9	5.5
508132	-8.8	0.4	-11.4	2.5
508199	-0.8	-5.6	3.4	-3.4
494100	0.0	0.0	0.0	0.0
491801	-8.3	5.9	-2.0	-2.6
491802	-7.4	1.4	1.2	-2.9
487801	-8.6	21.9	-3.8	2.7
518100	0.0	0.0	0.0	0.0

Strip 4 was adjusted horizontally on a third degree curve using film distortion correction and was evaluated as a good adjustment.

Strip 5 was adjusted with and without the use of film distortion correction, but would not fit strip 4. To accomplish a sufficient tie of strip 5 to strip 4, a 25 photo block adjustment had to be used.

Visible landmarks and fixed aids to navigation were located during bridging of the 1:60,000 scale photography. Ratio values were determined of the 1:60,000 scale MLW and MLH infrared photography and was provided along with other data to compilation.

23. Adequacy of Control

All control was adequate and held within the accuracy required by National Standards of Maps for 1:20,000 scale manuscripts.

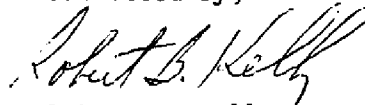
24. Supplemental Data

Local shoreline and U.S. Geological Survey quadrangles were used to provide elevations for vertical adjustments of bridges.

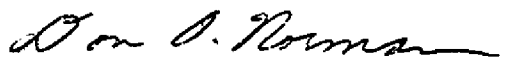
25. Photography

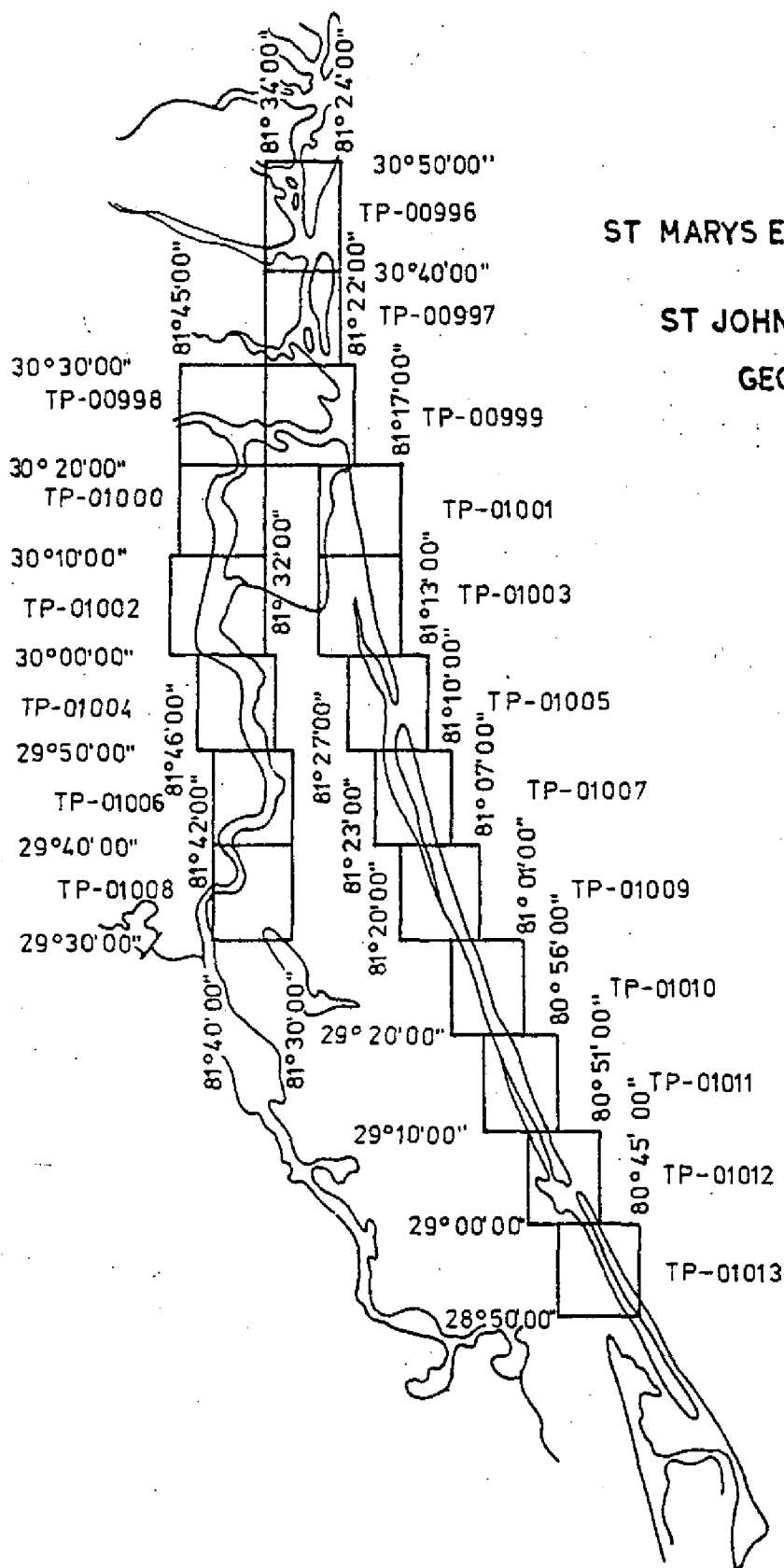
RC-10 black and white positives were adequate as to coverage and overlay. Definition was poor as in some areas double images of piers could be seen.

Submitted by,


Robert B. Kelly

Approved and Forwarded:


Don O. Norman
Chief, Aerotriangulation Section



CM-7816
 ST MARYS ENTRANCE TO EDGEWATER
 AND
 ST JOHNS RIVER TO PALATKA
 GEORGIA - FLORIDA

BRIDGING PHOTOGRAPHY

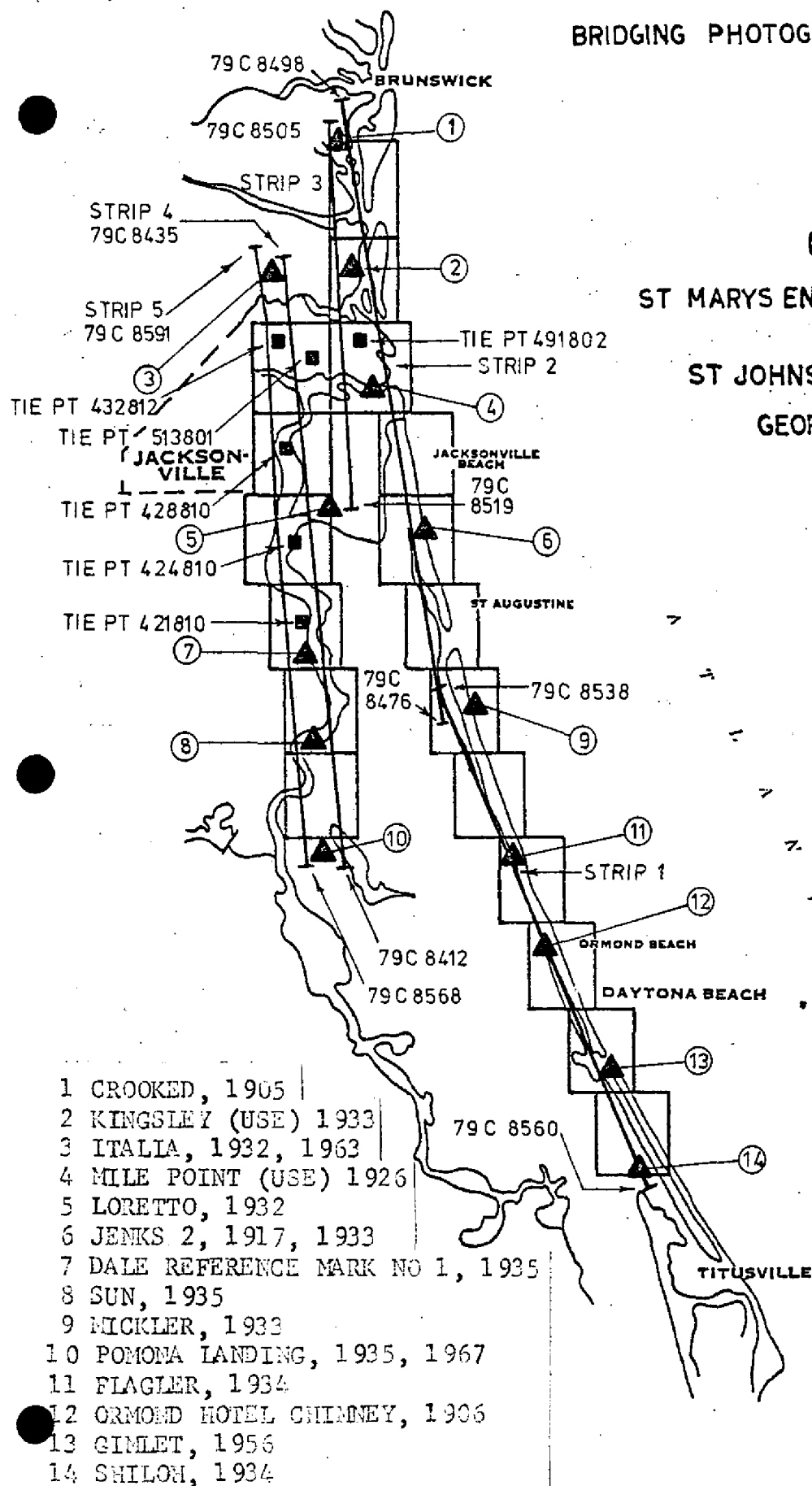
CM-7816

ST MARYS ENTRANCE TO EDGEWATER

AND

ST JOHNS RIVER TO PALATKA

GEORGIA - FLORIDA



CLOSURES TO CONTROL

Strip 1

560101	SHILOH, 1934	0.6, -0.2
554101	GIMLET, 1956	-2.3, 0.7
549101	ORMOND HOTEL CHIMNEY, 1906	2.9, -1.6
545101	FLAGLER, 1934	-1.3, 1.4
539101	MICKLER, 1933	0.0, -0.3

Strip 2

539101	MICKLER, 1933	-0.0, 0.3
483100	JENKS 2, 1917, 1933	0.7, -1.6
489101	MILE POINT (USE) 1926	-1.3, 3.0
494100	KINGSLEY (USE) 1933	0.9, -2.5
498101	CROOKED, 1905	-0.3, 0.9

Strip 3

498101	CROOKED, 1905	-0.0, 0.0
494100	KINGSLEY (USE) 1933	-0.0, 0.0
491802	TIE FROM STRIP 2	-1.1, -2.9
518101	LORETTO, 1932 SUB. PT.	0.0, -0.0

Strip 4

590101	ITALIA RM 2, 1932	-1.0, 0.4
513801	TIE FROM STRIP 3	1.1, -4.1
518101	LORETTO, 1932 SUB. PT.	2.3, 3.7
576101	DALE RM 1, 1935	-2.5, -0.8
573101	SUN, 1935 SUB. PT.	-0.9, -0.6
413101	POMONA LANDING, 1935, 1967 SUB. PT.	1.2, 0.6

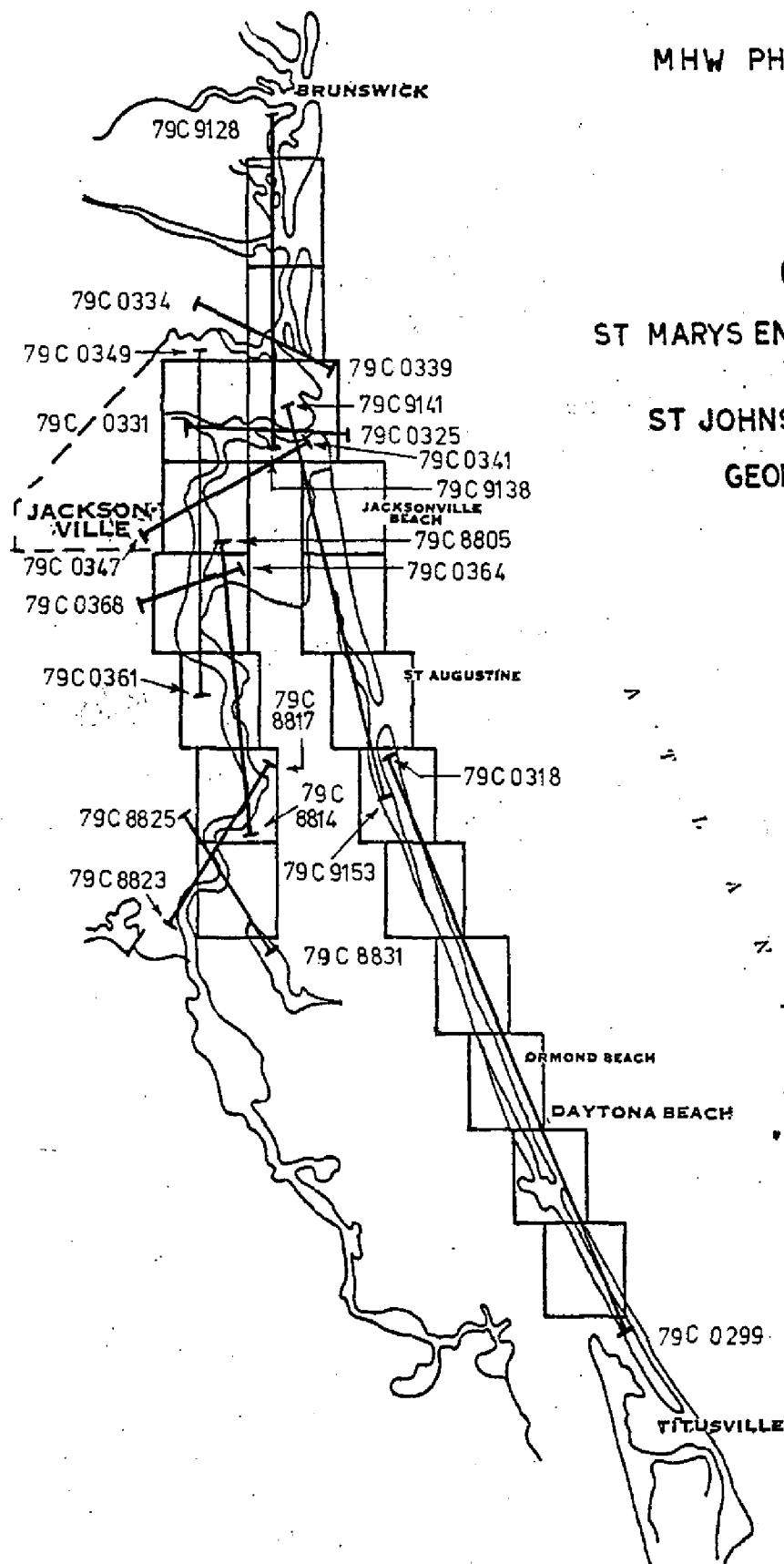
Strip 5

413101	POMONA LANDING, 1935, 1967 SUB. PT.	0.0, 0.0
573101	SUN, 1935 SUB. PT.	0.0, 0.0
576101	DALE RM 1, 1935	0.0, 0.0
421810	TIE FROM STRIP 4	13.7, 6.9
424810	TIE FROM STRIP 4	0.0, 0.0
428810	TIE FROM STRIP 4	0.0, 0.0
432810	TIE FROM STRIP 4	0.0, 0.0
590101	ITALIA RM 2, 1932	0.0, 0.0

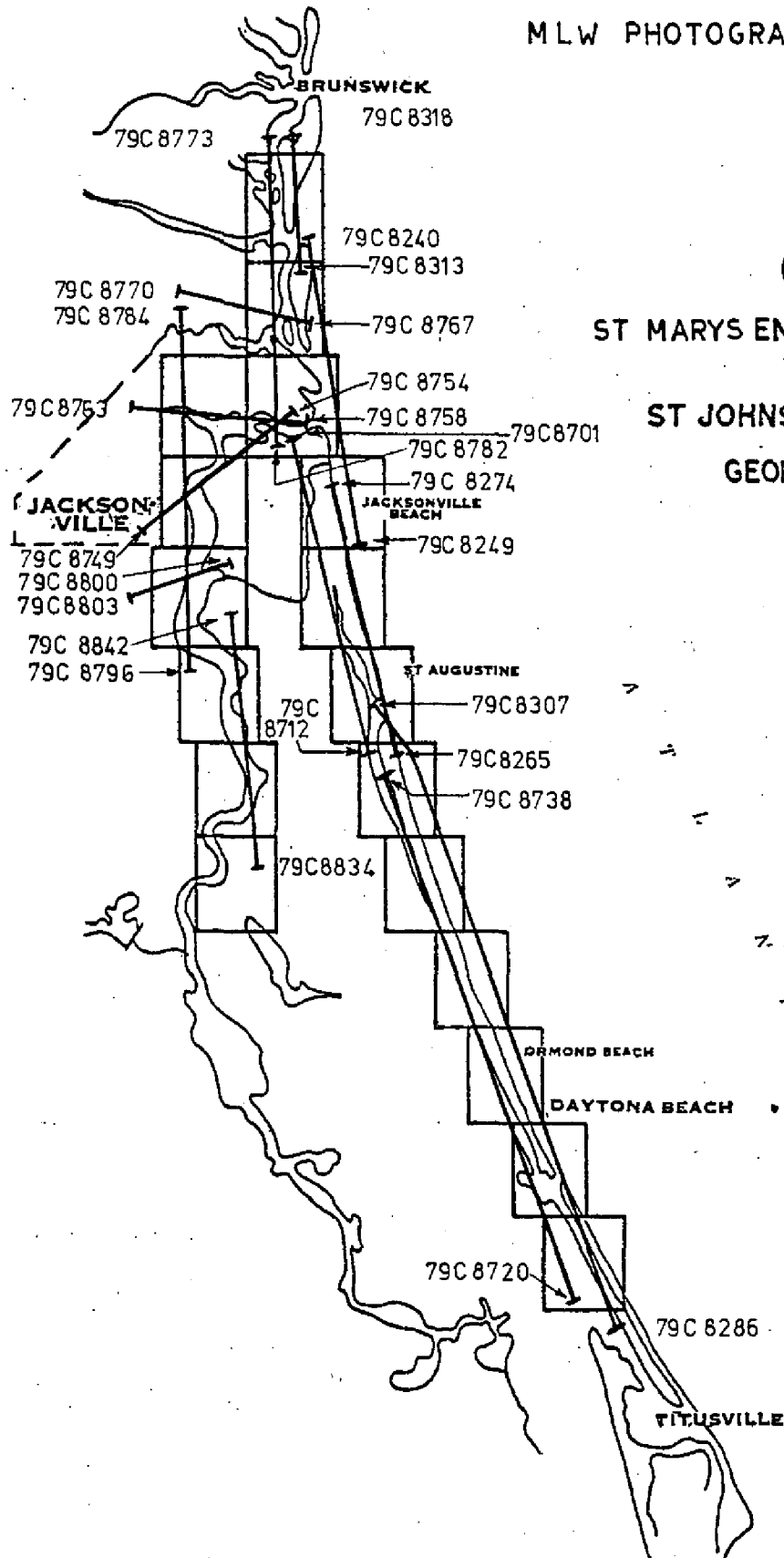
MHW PHOTOGRAPHY

CM-7816

ST MARYS ENTRANCE TO EDGEWATER
AND
ST JOHNS RIVER TO PALATKA
GEORGIA - FLORIDA



MLW PHOTOGRAPHY



CM-7816

ST MARYS ENTRANCE TO EDGEWATER
AND
ST JOHNS RIVER TO PALATKA
GEORGIA - FLORIDA

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.		JOB NO.		GEODETTIC DATUM		ORIGINATING ACTIVITY		REMARKS	
TP-01005		CM-7816		N A 1927		Rockville, Md.			
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS		
			STATE	FLORIDA	ϕ LATITUDE	λ LONGITUDE			
St. Augustine Light House, 1882	P C Pg 6 G P Pg 20	303	X=	408,497.45	ϕ	29° 53' 06.715"			
			Y=	2,018,212.62	λ	81° 17' 19.449"			
Naval Reserve Water Tank, 1933	P C Pg 7 G P Pg 23	305	X=	408,930.83	ϕ	29° 53' 04.68"			
			Y=	2,018,005.96	λ	81° 17' 14.152"			
West Augustine Municipal Water Tank, 1933	P C Pg 7 G P Pg 13	301	X=	395,197.19	ϕ				
			Y=	2,020,386.73	λ				
St. Augustine, Flagler Mem. Church Finial, 1933	P C Pg 7 G P Pg 22	302	X=	399,537.09	ϕ	29° 53' 36.738"			
			Y=	2,021,268.99	λ	81° 19' 01.331"			
St. Augustine Ponce de Leon Hotel W Cupola, 1933	P C Pg 6 G P Pg 22	302A	X=	400,696.53	ϕ	29° 53' 32.436"			
			Y=	2,020,832.88	λ	81° 18' 54.962"			
St. Augustine Ponce de Leon Hotel E Cupola, 1933	P C Pg 6 G P Pg 22	302B	X=	410,249.99	ϕ	29° 53' 32.887"			
			Y=	2,020,878.12	λ	81° 18' 53.220"			
St. Augustine First National Bank Dome, 1933	P C Pg 6 G P Pg 21	302C	X=	401,021.52	ϕ	29° 53' 33.547"			
			Y=	2,020,942.58	λ	81° 18' 44.457"			
			X=		ϕ				
			Y=		λ				
			X=		ϕ				
			Y=		λ				
			X=		ϕ				
			Y=		λ				
COMPUTED BY		DATE	COMPUTATION CHECKED BY		DATE		DATE		
LISTED BY	J. Schad	DATE	LISTING CHECKED BY		DATE		DATE		
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE		DATE		

Compilation Report

TP-01005

Sept. 1978

31. Delineation

All alongshore, offshore features and interior planimetry on this map were delineated by graphic methods using rectified black and white 1:60,000 scale, panchromatic photography. This photography was controlled by map points determined by the Aerotriangulation Section.

The inside MHW line was compiled from office interpretation of the ratio, tide-coordinated, black and white infrared photography. Measurements to the MHW line predetermined by the field inspector were used to compile the MHW line on the Ocean side.

The MLW line was compiled from office interpretation of the ratio, tide-coordinated, black and white infrared photography.

32. Horizontal Control

Horizontal control was adequate. (See Photogrammetric Plot Report)

33. Supplemental Data

Three tide stations were plotted from sketches furnished by Tides and Water Level Section.

34. Contours and Drainage

Contours are not applicable. Drainage was compiled from office interpretation of tide-coordinated, black and white infrared ratio photography.

35. Shoreline and Alongshore Details

The marina at Lat. 29° 55' 00", Long. 81° 18' 30" was compiled from a plat furnished by the field editor.

36. Offshore Details None37. Landmarks and Aids

Ten landmarks were located during map compilation. Sixteen nonfloating aids were located, seven by Aerotriangulation and nine during map compilation.

38. Control for Future Surveys None

39. Junctions

Refer to NOAA Form 76-36B.

40. Horizontal and Vertical Accuracy

This map complies with the accuracy requirements of the Florida Coastal Zone Mapping Program as outlined by Project Instruction PH-7000.

41. thru 45. Inapplicable46. Comparison with Existing Maps

St. Augustine, Fla., 1956 - Photo revised 1970, Scale 1:24,000

St. Augustine Beach, Fla., 1956 - Photo revised 1970, Scale 1:24,000

47. Comparison with Nautical Chart

11485 16th Edition, June 17, 1978, Scale 1:40,000

11486 9th Edition, Jan. 6, 1979, Scale 1:80,000

11488 13th Edition, Oct. 14, 1978, Scale 1:80,000

Items to be applied to Nautical Charts immediately - None

Items to be carried forward - None

Submitted by,

James Schad

James Schad

Cartographer

Approved and Forwarded:

Frank Wright

Frank Wright

Chief, Coastal Mapping Section

FIELD EDIT REPORT

TP 01005 CM 7816

METHOD

The field edit was made according to the Coastal Mapping Instructions dated 1930-78. The manuscript was inspected and all questions answered. The field edit was made by driving to some of the areas in question and from a skiff run close to shore. One stack was photo identified, one pier was field located and a blueprint obtained for new extension of a pier under construction. One discrepancy print and four photos numbers 79 CP 8478, 8479, 8480 and 79 CR 9151 were used.

ACCURACY OF COMPILATION

Adequate after application of field information.

GEOGRAPHIC NAMES

N/A

MANUSCRIPT ACCURACY

N/A

RECOMMENDATIONS

None

NAVIGATION

None

TRANSMITTAL OF DATA

All data sent to Coastal Mapping Division Norfolk, Virginia.

James E. Dunford
James E. Dunford

Photo Party 62

REVIEW REPORT

TP-01005

April, 1984

61. General Statement

Refer to the Summary bound with this Descriptive Report.

62. Comparison With Registered Topographic Surveys - None63. Comparison With Maps of Other Agencies

Refer to the Compilation Report, paragraph 46, bound with this Descriptive Report.

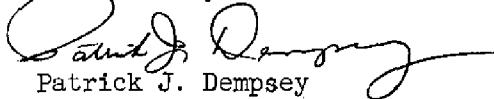
64. Comparison With Contemporary Hydrographic Surveys - None65. Comparison With Nautical Charts

Refer to the Compilation Report, paragraph 47, bound with this Descriptive Report.

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:


Patrick J. Dempsey
Cartographer

Approved and Forwarded:


Chief, Photogrammetric Section


Chief, Photogrammetry Branch

August 29, 1979

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7816 (St. Marys Entrance to Edgewater and
St. Johns River to Palatka, Ga.-Fla.)

TP-01005

Atlantic Ocean
Anastasia
Anastasia Island
Araquey
Bird Island
Bridge of Lions (Bridge)
Cayos Island
Casa Cola
Casa Cola Creek
Comatchie Island
Conch Island
Coquina Gables
Davis Shores (Ppl)
East Creek
Fishers Island
Florida East Coast (RY)
Guano River
Hospital Creek
Indian Creek
Kurths Island
Maria Sanchez Lake

Matanzas River
Moultrie Junction
Oyster Creek
Pancho Creek
Quarry Creek
Red House Branch
Robinson Creek
St. Augustine
St. Augustine Airport
St. Augustine Beach (Ppl)
St. Augustine Inlet
Salt Run
San Sebastian River
Sombbrero Creek
Tolomato River
Usinas Beach (Ppl)
Vilano Beach (Ppl)
Vilano Beach Bridge
Vilano Point
Ximanies Creek
Woodlawn

Approved by:


Charles E. Harrington
Chief Geographer

DISSEMINATION OF PROJECT MATERIAL

CM-7816

National Archives/Federal Records Center

Red Jacket:

Field Notebooks - NOAA Forms 77-53
NOAA Form 76-77
NOAA Form 76-52

Bridging Photographs
Tidal Bench Mark Descriptions
Sketches and Computations
Field Edit Discrepancy Print
Field Photographs
CSI Cards

Bureau Archives

Registered Copy of Each Map
Descriptive Report of Each Map

Reproduction Division

8x Reduction Negative of Each Map

Office of Staff Geographer

Geographic Names Standard

SVY TP-01005 *

JOB CM7816 *

PRJ 833205 *

OTM NA1927 *

* RPT UNIT CMU, ROCKVILLE, MD. *

* STATE FLORIDA *

* LOCALITY ST. AUGUSTINE *

* DATE 04/14/80 *

* PAGE 1 OF 7 *

* ORIGINATING ACTIVITY *

* COMPILATION *

OBJECTS INSPECTED FROM SEAWARD *

POSITIONS DETERMINED *

AND/OR VERIFIED BY *

FIELD AND OFFICE *

ACTIVITIES *

THOMAS C. HULL *

THOMAS C. HULL *

FRANK A. WRIGHT *

JAMES H. TAYLOR *

JAMES H. TAYLOR *

* PHOTO FIELD PARTY *

* FIELD REPRESENTATIVE *

* OFFICE COMPILER *

* DIGITIZER *

* DATA PROCESSER *

KEY FOR ENTRIES UNDER METHOD AND DATE OF LOCATION

* FIELD (CONT'D)

* OFFICE

* 1. OFFICE IDENTIFIED AND LOCATED OBJECTS.

* THE NUMBER AND DATE (INCLUDING MONTH, DAY

* AND YEAR) OF THE PHOTOGRAPH USED TO

* IDENTIFY AND LOCATE THE OBJECT ARE SHOWN.

* EXAMPLE 752(C)6042

* 8-12-77

* FIELD

* 1. NEW POSITION DETERMINED OR VERIFIED

* KEY TO SYMBOLS

* F-FIELD

* L-LOCATED

* V-VERIFIED

* 1-TRIANGULATION

* 2-TRAVERSE

* 3-INTERSECTION

* 4-RESECTION

* P-PHOTOGRAMMETRIC

* VIS-VISUALLY

* 5-FIELD IDENTIFIED

* 6-THEODOLITE

* 7-PLANETABLE

* 8-SEXTANT

* A. FIFD POSITIONS* SHOW THE METHOD OF

* LOCATION AND DATE OF FIELD WORK.

* EXAMPLE F-2-6-L

* 3-12-76

* 2. TRIANGULATION STATION RECOVERED

* WHEN A LANDMARK OR AID WHICH IS ALSO A TRI-

* ANGULATION STATION IS RECOVERED, A TRIANG.

* REC. WITH DATE OF RECOVERY IS SHOWN.

* EXAMPLE TRIANG. REC.

* 8-12-76

* 3. POSITION VERIFIED VISUALLY ON PHOTOGRAPH

* SHOWN BY 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.

* NOTE: WHERE THE NAME OF AN AID INCLUDES THE IMMEDIATE GEOGRAPHIC HEADING UNDER WHICH IT IS LISTED,

* A DASH (-) IS USED TO INDICATE THE GEOGRAPHIC HEADING WHICH IS PART OF THE OFFICIAL NAME.

76-40

PHOTOGRAMMETRIC BRANCH
PHOTOGRAMMETRY DIVISIONNATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USADATATAB
VERSION
782707

LISTING

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* SVY TP-01005 * RPT UNIT CMD, ROCKVILLE, MD. * PAGE 2 OF 7 *
* JOB CH7816 * NONFLOATING AIDS FOR CHARTS * STATE FLORIDA *
* PRJ 833205 * TO BE CHARTED * LOCALITY ST. AUGUSTINE * ORIGINATING ACTIVITY *
* OFM NA1927 * DATE 04/14/80 * * COMPILATION *
*
* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *
*
* DESCRIPTION * POSITION CMD * METHOD AND DATE *
* CHARTING * RECORD REASON FOR DELETION * LATITUDE UM ALTEK * OF LOCATION * CHARTS *
* NAME * PUT TRIANGULATION NAMES IN ( ) * LONGITUDE DP DGTZD * OFFICE * FIELD * AFFECTED *
*
* ONLY THOSE NONFLOATING AIDS AND LANDMARKS TO NAVIGATION *
* THAT WERE VISIBLE ON THE PHOTOGRAPHY AND LOCATED DURING *
*
* BRIDGING OR COMPILATION ARE SHOWN ON THIS MAP. *
*
* LIGHT * (ST. AUGUSTINE LIGHT HOUSE, * 29 53 06.71 206.6 NOT * TRIANG REC* 11485 *
* 1882) * 81 17 19.44 521.6 DGTZD * * 02/13/80 * 11488 *
*
* ST. JOHNS RIVER-MATANZAS RIVER * * * *
*
* TOLOMATO RIVER * 29 59 59.03 1817.6 NOT * 79CP8480 *
* 41 * 81 23 19.27 516.5 DGTZD * 03/07/79 * 11485 *
*
* LIGHT * 29 59 45.34 1396.1 NOT * 79CP8440 *
* 44 * 81 19 58.76 1575.0 DGTZD * 03/07/79 * 11485 *
*
* LIGHT * 29 59 23.33 718.4 * 79CP8480 *
* 45 * 81 19 47.23 1266.0 * 03/07/79 * 11485 *
*
* LIGHT * 29 57 42.41 1305.8 * 79CP8480 *
* 48 * 81 19 44.92 1204.4 * 03/07/79 * 11485 *
*
* LIGHT * 29 57 33.18 1021.6 * 79CP8480 *
* 49 * 81 19 20.48 549.1 * 03/07/79 * 11485 *
*
* LIGHT * 29 57 20.40 628.1 * 79CP8480 *
* 51 * 81 18 51.17 1372.1 * 03/07/79 * 11485 *

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LISTING.

* SVY	TP-01005	*	NONFLUATING AIDS FOR CHARIS	* RPT UNIT	CMD, ROCKVILLE, MD.	* PAGE	3 OF	* 7
* JOB	CR7816	*		* STATE	FLORIDA	*		*
* PRJ	833205	*	TO BE CHARTED	* LOCALITY	ST. AUGUSTINE	* ORIGINATING	ACTIVITY*	
* DTM	NA1927	*		* DATE	04/14/80	* COMPILATION		*

* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *

* * *	DESCRIPTION	* *	POSITION	* *	CMD	* *	METHOD AND DATE	* *
* CHARTING *	RECORD REASON FOR DELETION	* *	LATITUDE	* *	DM	* *	OF LOCATION	* CHARTS *
* NAME *	PUT TRIANGULATION NAMES IN ()	* *	LONGITUDE	* *	UP	* *	OFFICE	* FIELD
* *	* *	* *	* *	* *	* *	* *	* *	* AFFECTED *

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* * * * *
* SI. JOHNS RIVER-MATANZAS RIVER *
* * * * *

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* -LIGHT *	* 29 56 34.42	1059.8	NOT *	79CP8480 *	*
* 54 *	* 81 18 44.45	1192.0	DGI20*	03/07/79 *	11485 *

* -LIGHT *	*	29 55 42.10	1296.3	NOT *	79CP8480	*	*
* *	*	81 18 22.81	611.8	06120 *	03/07/79	*	11485

* -LIGHT *	* 29 54 42.27	* 1301.5	* 79CP8479 *	* *
* *	* 81 17 50.73	* 1360.9	* 03/07/79 *	* 11485 *

* -LIGHT *	* 29 54 15.97	491.7	NOT *	79CP8479 *	*
* 2A *	* 81 18 00.45	12.1	06170 *	03/07/79 *	* 11485

* -LIGHT *	* 24 53 56.95	1753.5	NOT *	79CP8479 *	*
* *	* 81 18 25.75	690.9	06170 *	03/07/79 *	* 11485

* -LIGHT *	* 29 52 56.91	1813.9	NOT *	79CP8479 *	*
* *	* 81 18 00.40	19.7	06120*	03/07/79 *	* 11485

* -LIGHT *	* 29 51 26.41	813.2	* 79ZC9434 *	*
* 16 *	* 81 18 40.59	1089.5	* 03/15/79 *	* 11485 *

* -LIGHT *	* 24 51 09.01	* 79ZC9435 *	* *
* *	* 81 18 23.36	* 03/15/79 *	* 11485 *

* -LIGHT *	* 27 50 54.12	* 79ZC9435	*	*
* *	* 81 17 57.85	* 03/15/79	*	* 11485

76-40

PHOTOGRAMMETRIC BRANCH
PHOTOGRAMMETRY DIVISIONNATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USADATATAB
VERSION
782707

LISTING

* SVY TP-01005 * RPT UNIT CMD, ROCKVILLE, MD. * PAGE 4 OF 7 *
* JOB CM7816 * NONFLOATING AIDS FOR CHARTS * STATE FLORIDA *
* PRJ 833205 * TO BE CHARTED * LOCALITY ST. AUGUSTINE * ORIGINATING ACTIVITY *
* DTN NA1927 * DATE 04/14/80 * * COMPILATION *
* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *
* * * * *

* * * * *
* CHARTING * RECORD REASON FOR DELETION * POSITION CMD * METHOD AND DATE * CHARTS *
* NAME * PUT TRIANGULATION NAMES IN () * LATITUDE DM ALTK * OF LOCATION * FIELD * AFFECTED *
* * * * *

* * * * *
* ST. JOHNS RIVER-MATANZAS RIVER * * * * *

* -LIGHT * MATANZAS RIVER * 29 50 37.03 1140.2 * 792C9435 * * *
24 * * 81 18 02.51 67.4 * 03/15/79 * * 11485 *
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LISTING

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* SVY TP-01005 * * RPT UNIT CMD, ROCKVILLE, MD. * PAGE 5 OF 7 *
* JOB CM7816 * * STATE FLORIDA *
* PRJ 833205 * * LOCALITY ST. AUGUSTINE * ORIGINATING ACTIVITY *
* DIM NA1927 * * DATE 04/14/80 * COMPILATION *
*
* THE FOLLOWING OBJECTS HAVE BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *
*
* * * * *
* CHARTING* RECORD REASON FOR DELETION * LATITUDE DM ALTEK* METHOD AND DATE * CHARTS *
* NAME * PUT TRIANGULATION NAMES IN ( ) * LONGITUDE UP DGTZD* OFFICE * FIELD *AFFECTED*
*
*
* * * * *
* * * 29 51 50.95 1568.8 * 79ZC9436 * V-VIS * 11485 *
* R IR * * 81 17 31.89 855.9 * 03/15/79 * 02/13/80 * 11486 *
*
* * * * *
* * (NAVAL RESERVE WATER TANK, * 29 53 04.67 143.8 NOT * TRIANG * TRIANG REC* 11485 *
* TANK * 1933) * 81 17 14.51 389.4 DGTZD* * 02/13/80 * 11488 *
*
* * * * *
* * (WEST AUGUSTINE MUNICIPAL * 29 53 27.88 858.4 NOT * TRIANG * TRIANG REC* *
* TANK * WATER TANK, 1933) * 81 19 50.60 1357.7 DGTZD* * 02/13/80 * 11485 *
*
* * * * *
* * CHURCH * (ST. AUGUSTINE FLAGLER MEMORIAL * 29 53 36.73 1130.9 NOT * TRIANG * TRIANG REC* 11485 *
* * * CHURCH FINIAL, 1933) * 81 19 01.33 35.7 DGTZD* * 02/13/80 * 11486 *
*
* * * * *
* * HOTEL * (ST. AUGUSTINE PONCE DE LEON * 29 53 32.43 998.5 NOT * TRIANG * TRIANG REC* *
* * * HOTEL WEST CUPOLA, 1933) * 81 18 54.96 1474.6 DGTZD* * 02/13/80 * DITTO *
*
* * * * *
* * HOTEL * (ST. AUGUSTINE PONCE DE LEON * 29 53 32.88 1012.4 NOT * TRIANG * TRIANG REC* *
* * * HOTEL EAST CUPOLA, 1933) * 81 18 53.22 1428.0 DGTZD* * 02/13/80 * DITTO *
*
* * * * *
* * CUPOLA * (ST. AUGUSTINE, FIRST NATIONAL * 29 53 33.54 1032.7 NOT * TRIANG * TRIANG REC* *
* * * BANK DOME, 1933) * 81 18 44.45 1192.6 DGTZD* * 03/31/80 * 11485 *
*
* * * * *
* * CROSS * * 29 54 14.32 440.9 * 79ZC9439 * V-VIS * *
* * * * 81 18 49.60 1330.7 * 03/15/79 * 03/12/80 * 11488 *
*
* * * * *
* * * * 29 54 26.78 824.6 * 79ZC9439 * V-VIS * 11485 *
* * * * 81 18 49.37 1324.5 * 03/15/79 * 03/13/80 * 11488 *
*
* * * * *
* * * * 29 54 57.79 1779.4 * 79ZC9439 * V-VIS * 11485 *
* * * * 81 19 31.87 854.9 * 03/15/79 * 03/13/80 * 11488 *
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