

TP-00657

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey Shoreline

Job No. CM-7306 Map No. TP-00657

Classification No. Edition No. 1

Field Edited

LOCALITY

State Georgia - Florida

St. Marys Entrance to

General Locality St. Augustine Inlet

Locality St. Mary's Entrance

1973 TO 1975

REGISTRY IN ARCHIVES

DATE

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR
TO REGISTRATION

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, Norfolk, VA		SURVEY TP. <u>00657</u> MAP EDITION NO. <u>2</u> MAP CLASS <u>Final</u> JOB <u>CMDR 7306</u>	
OFFICER-IN-CHARGE Jeffrey G. Carlen, CDR		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Compilation - Aug. 20, 1974 Aerotriangulation - Oct. 3, 1974		Sept. 24, 1973	
II. DATUMS			
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)	
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)	
3. MAP PROJECTION Polyconic		4. GRID(S) STATE Florida ZONE East	
5. SCALE 1:20,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY		<u>I. Rayborn</u>	<u>None</u>
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Calcomp.</u> CHECKED BY		<u>R. Robertson</u> <u>R. Robertson</u>	<u>8/2/74</u> <u>8/2/74</u>
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: <u>Wild B-8</u> CONTOURS BY SCALE: <u>1:30,000</u> CHECKED BY		<u>L.O. Neterer, Jr.</u> <u>R.R. White</u> <u>NA</u> <u>NA</u>	<u>9/24/74</u> <u>9/24/74</u>
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: <u>Wild B-8 and Graphic</u> CONTOURS BY CHECKED BY SCALE: <u>1:20,000</u> HYDRO SUPPORT DATA BY CHECKED BY		<u>L.O. Neterer, Jr.</u> <u>F. Margiotta</u> <u>NA</u> <u>NA</u> <u>NA</u> <u>NA</u>	<u>10/8/74</u> <u>10/21/74</u>
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		<u>F. Margiotta</u>	<u>10/21/74</u>
6. APPLICATION OF FIELD EDIT DATA BY		<u>J. Desch</u>	<u>2/1975</u>
7. COMPILATION SECTION REVIEW BY		<u>A.L. Shands</u> <u>A.L. Shands</u>	<u>3/1975</u> <u>3/1975</u>
8. FINAL REVIEW BY		<u>C.H. Bishop</u>	<u>Sept. 1975</u>
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY			
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY			
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		<u>N. Francis</u>	<u>Oct. 2, 1975</u>

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00657
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10 "Q"		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR <input checked="" type="checkbox"/> (P) PANCHROMATIC (I) INFRARED <input checked="" type="checkbox"/>		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE 5th MERIDIAN 75th	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
* 73C(C)(I)-5127 - 5129	10/25/73	10:26	1:60,000	3.3 ft. above MLW	
* 73C(C)(I)-4248 - 4249 (From Bridge CM-7205)	9/30/73	10:00	1:60,000	7.2 ft. above MLW	
** 73C(C)(I)-4355 - 4357	10/2/73	13:37	1:60,000	+0.2 ft. of MHW	
** 74C(C)(I)-8989 - 8992	4/6/74	15:26	1:60,000	+0.2 ft. of MLW	
** 73C(C)(I)-4295 - 4298	10/2/73	10:07	1:60,000	+0.2 ft. of MHW	

REMARKS * Bridge and compilation photos, predicted tides.
** Tide coordinated photos at M.L.W. and M.H.W.

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from the above listed tide controlled infrared photography.

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

The mean low water line was compiled from tide controlled infrared photography.

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 CM-7205 TP-00497	EAST No Survey	SOUTH TP-00658	WEST No Survey
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REMARKS

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

TP-00657

HISTORY OF FIELD OPERATIONS

1. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Tibbetts	9/13/73
2. HORIZONTAL CONTROL	RECOVERED BY L.H.D.	9/13/73
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY L.H.D.	9/13/73
3. VERTICAL CONTROL	RECOVERED BY NA	
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY None	
	LOCATED (Field Methods) BY NA	
	IDENTIFIED BY NA	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	<input type="checkbox"/> COMPLETE BY	
	<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 NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
73C(C)(I) 4365	BEACH 2, 1933		

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

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

CSI Card

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

TP-00657

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	Jeffrey G. Carlen, CDR	Jan., 1975
2. HORIZONTAL CONTROL	RECOVERED BY L.F. Beugnet	Jan., 1975
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
3. VERTICAL CONTROL	RECOVERED BY NA	
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY L.F. Beugnet	Jan., 1975
	LOCATED (Field Methods) BY NA	
	IDENTIFIED BY NA	
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 L.F. Beugnet	Jan., 1975
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
NA			
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

74 C 8988

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

NA

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)

Field Edit Ozalid & Field Edit Report.

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00657
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	Oct. 1974	Class III Manuscript Superseded	1/13/75	1/13/75
Field edit applied compilation complete	Feb. 1975	Class I Manuscript Superseded	6/12/75	
Final Review	Sept. 1975	Final		

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		6/4/75	Aids for charts
4		6/4/75	Landmarks for charts

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: June 4, 1975
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)

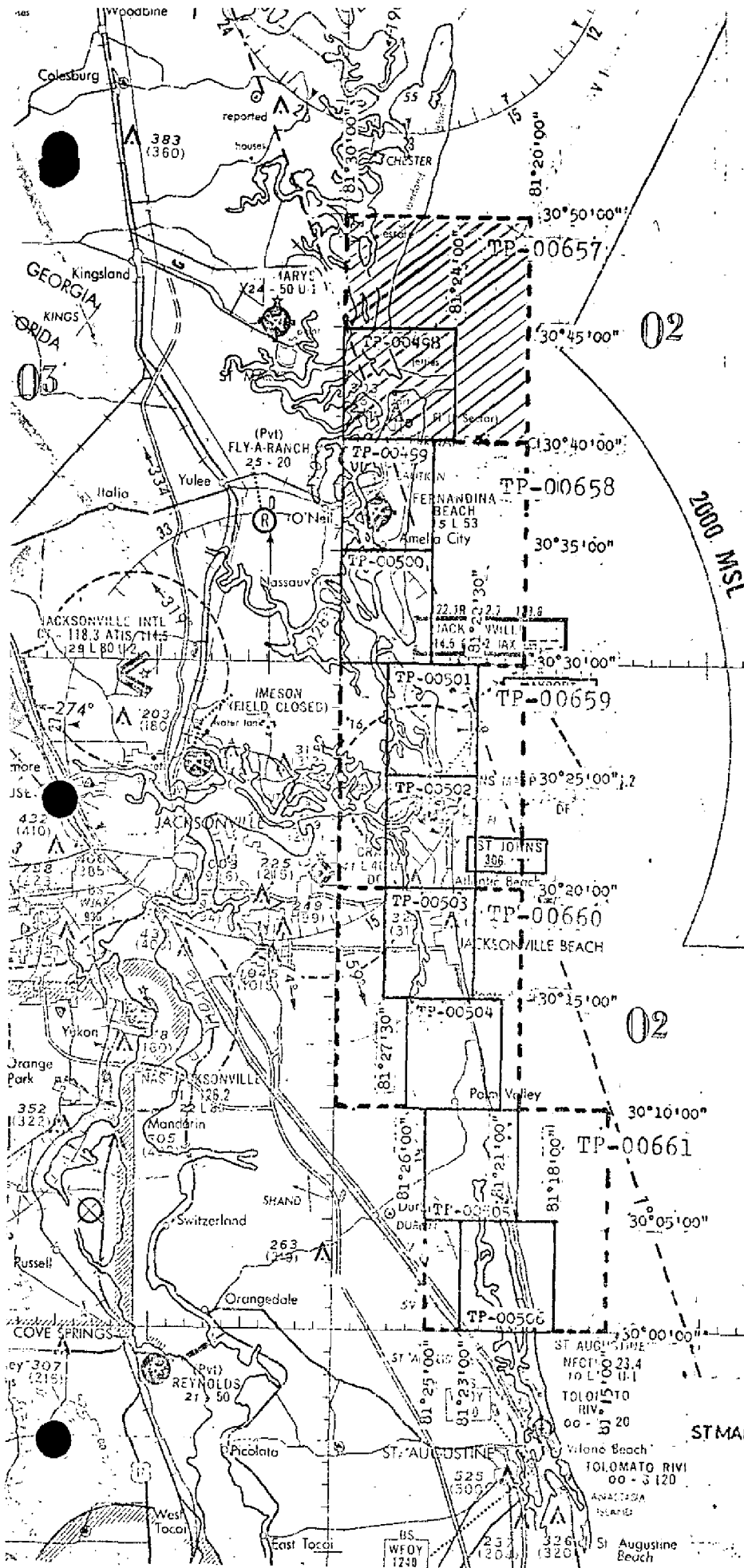
SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	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	

Official Mileage for Cost Accounts

Sheet No.

Sq. Miles

TP-00498	3
TP-00499	3
TP-00500	3
TP-00501	3
TP-00502	3
TP-00503	3
TP-00504	3
TP-00505	3
TP-00506	3
TP-00657	6
TP-00658	6
TP-00659	6
TP-00660	6
TP-00661	6



JOB CM-7306

ST MARYS ENTRANCE TO ST AUGUSTINE INLET
FLORIDA

SHORELINE MAPPING

SCALE 1:20,000
1:10,000

Revised 2-27-74

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORTS TP-00657 through TP-00661

These 1:20,000 scale shoreline manuscripts are part of the SCOPE Project and will provide data for smooth sheet processing. Only the Atlantic Ocean shoreline was mapped. Other maps shown on the project diagram are part of the Florida Seaward Boundary Project and will be compiled later.

The only field work prior to compilation was the recovery and identification of horizontal control required for bridging.

Aerotriangulation was done by the Rockville Science Center. Color infrared photography dated Sept. 30 and Oct. 25, 1973 was used.

Compilation was done at the Atlantic Marine Center in October 1974, using 1:60,000 scale color infrared bridging photography to locate shoreline pass points. Ratio prints of tide controlled 1:60,000 scale color infrared photography dated Oct. 2, 1973 (MHW) and Apr. 6, 1974 (MLW), were used to compile the mean high and mean low water lines graphically, holding the shoreline pass points for control.

Field edit was done by an experienced photogrammetrist in January, 1975 and applied to the manuscript by the Coastal Mapping Section, Atlantic Marine Center in February, 1975.

Final review was done at the Atlantic Marine Center in September, 1975.

The original manuscript was a stabilene sheet 10 minutes in latitude by 10 minutes in longitude.

A cronaflex positive copy and a negative of the final reviewed manuscript were forwarded for record and registry.

FIELD INSPECTION

TP-00657

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of the horizontal control necessary for the aerotriangulation of the project.

Photogrammetric Plot Report
St. Marys Entrance to St. Augustine Inlet
Florida
Job CW7306

21. Area Covered - This report pertains to the shoreline of Florida from St. Marys Entrance to St. Augustine Inlet, Florida. This area is covered by 5 1:20,000 scale sheets TP-00657 thru TP-00661.

22. Method - One strip of 1:60,000 scale color infrared photography was bridged by analytic aerotriangulation methods. The strip was controlled by field identified control paneled in 1973. Old control, which was office identified, was floated for checks. Ties were made with Jobs CM-6716 and CM-7205. Common points were located between the bridging photography and the color infrared mean low-water and mean high-water photography to determine the ratio scale. Sketch number 2 shows the flight lines of the mean low-water and the mean high-water photography. Ratio prints of both the high and low-water photography were ordered.

Data for the five 1:20,000 scale sheets were plotted by the Calcomp on the Florida East State Plane Coordinate System.

23. Adequacy of Control - The control was adequate, but 4 of the 7 targets could not be seen on the bridging photography due to the placement in sandy beach areas. These 4 targets were transferred with extreme difficulty from the mean low-water and mean high-water photography.

Control station Jenks 2 RM 1 was located on the photography by first plotting the position on a quadrangle and then searching the area visually. The sketch on the Control Station Identification form was of no value.

24. Supplemental Data - USGS quadrangles were used to provide vertical control for the adjustment.

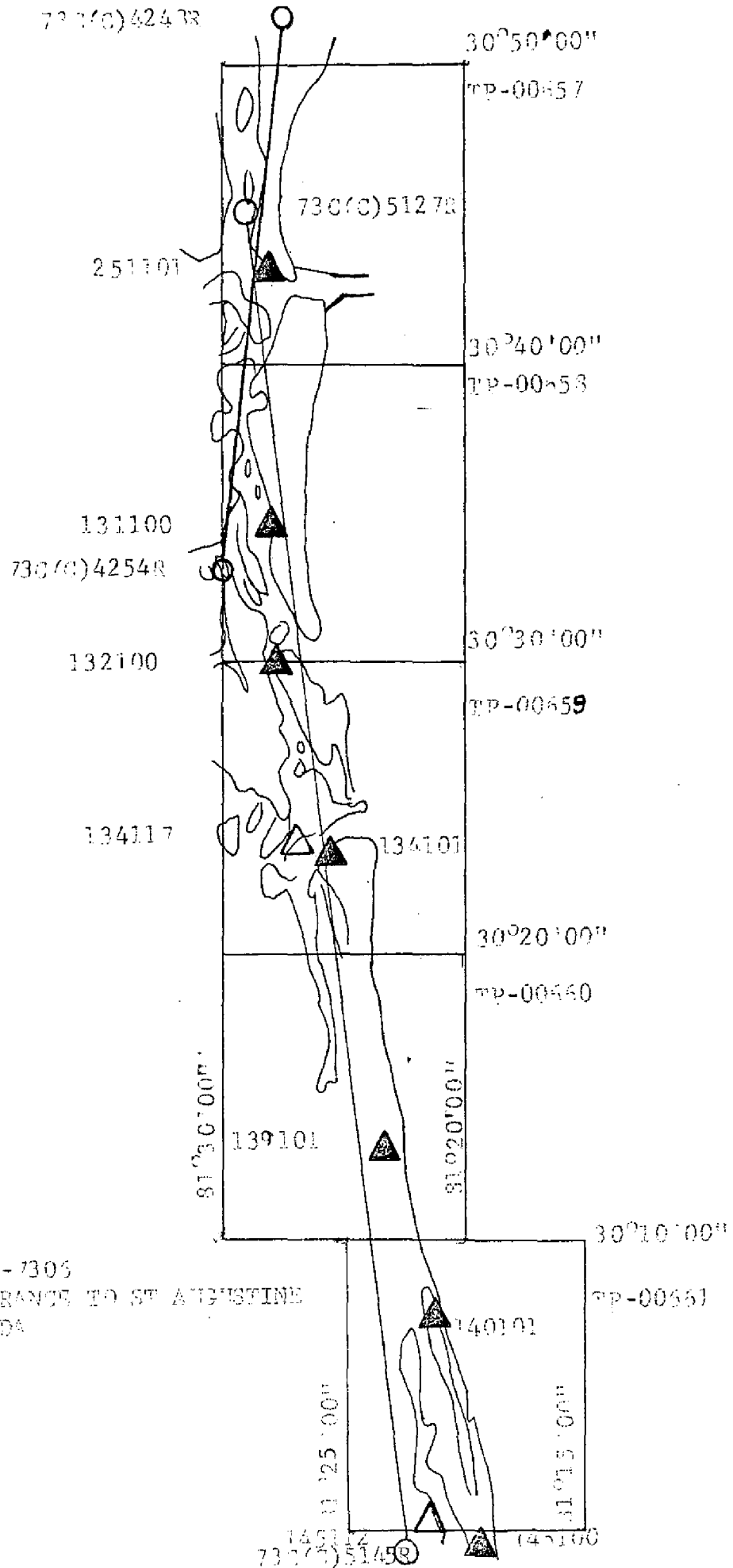
25. Photography - The photography was adequate as to coverage and overlap, but double fiducials marks and emulsion slippage on some of the photographs made the horizontal and vertical adjustment weak.

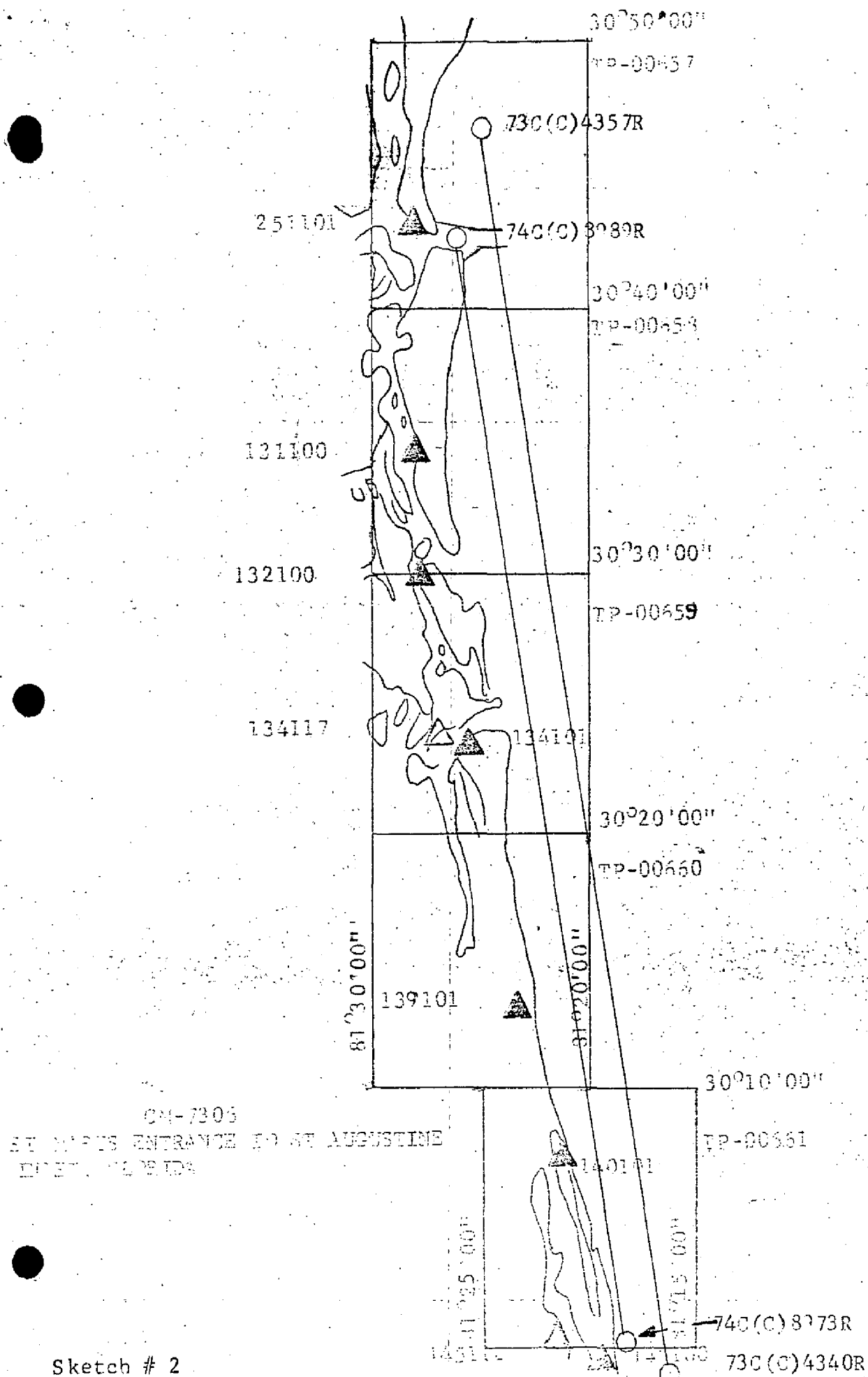
Respectfully submitted,

Ivey O. Raborn
Ivey O. Raborn

Approved and forwarded:

John D. Perrow, Jr.
John D. Perrow, Jr.
Chief, Aerotriangulation Section





PHOTOGRAMMETRIC PLOT REPORT
Job CM - 7205
Savannah to St. Mary's Entrance Part II
Georgia

21. Area Covered

This project covers the shoreline from Brunswick, Georgia, to just north of St. Mary's Entrance and joining job CM-7306. Included are three T-sheets (TP-00496, 497, and a portion of TP-00657). All sheets are 1:20,000 scale.

22. Method

One strip of color IR photography was bridged on the Wild STK1 in order to obtain pass point positions and exact scale ratios to be used during compilation.

The strip was adjusted on four triangulation stations with eleven additional triangulation stations as checks. The adjustment was performed on the IBM6600. All sheets were ruled and plotted on the Coradomat.

1:20,000 scale ratios were ordered.

Horizontal control complied with project instructions and held within National Map Accuracy.

The paneled substitute stations for Beach 2, 1933, and Little Cumberland Island Lighthouse, 1860, were seen only with extreme difficulty and the aid of the tandem black and white infrared photos. The difficulty encountered was due to placement of targets on sandy beach areas.

24. Supplemental Data

Vertical control for bridging only was obtained from local USGS quads.

25. Photography

Photography was adequate as to overlap, definition, and coverage.

Submitted by,

Michael L. McGinley
Michael L. McGinley

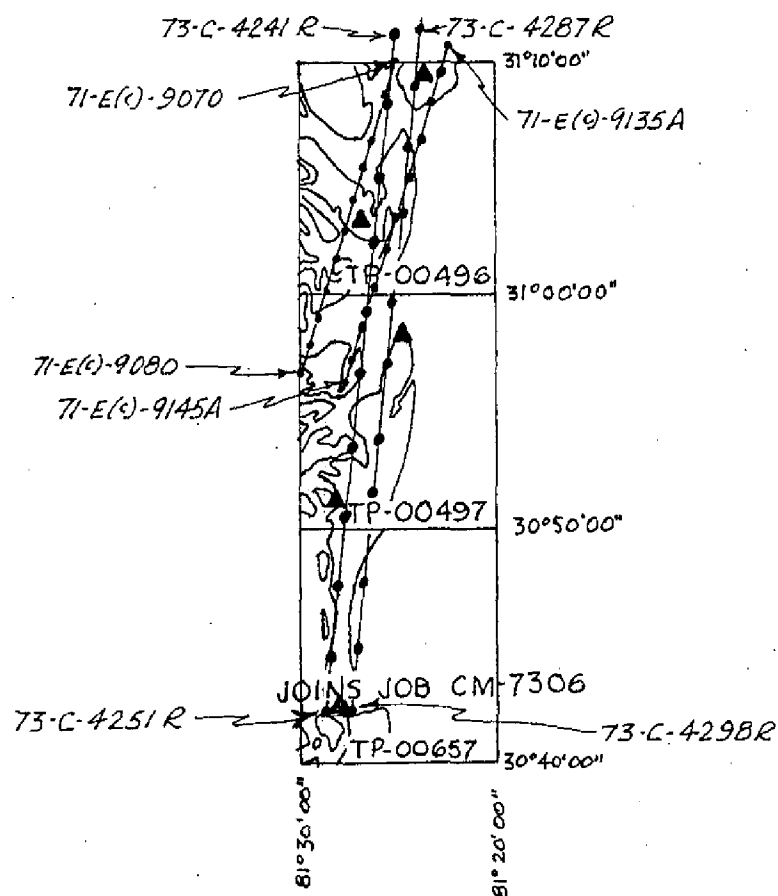
Approved by:

John D. Perrow Jr.
John D. Perrow, Jr.
Chief, Aerotriangulation Section

73-C-4241R to 4251R Color IR - Bridging 1:60,000

73-C-4287R to 4298R Color IR MHW 1:60,000

71-E(-)-9070 to 9080 & 9135A to 9145A 1:30,000 Color



JOB CM-7205

Savannah to St Mary's Entrance Part II
Georgia

Notes to Compiler

If needed, the 1971 color Low Water photos may be ratioed by compilation.

Return film positives and prints 73-C(c)-4294R, 4295R, 4248R and 4249R to Rockville after completion of compilation.

DESCRIPTIVE REPORT CONTROL RECORD

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

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY		
TP-00657	CM-7306	N.A. 1927			
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET STATE <u>Florida</u> ZONE <u>East</u>	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE	REMARKS
BEACH 2, 1933	G.P. Vol. I Pg. 52		X=	ϕ 30° 43' 09.747"	
			Y=	λ 81° 28' 10.229"	
GREYFIELD TANK, 1933	G.P. Vol. I Pg. 37		X=	ϕ 30° 46' 43.163"	
			Y=	λ 81° 28' 07.540"	
FERNANDINA, AMERICAN CONTAINER CORPORATION, NORTH STACK, 1954	G.P. Vol. I Pg. 956		X=	ϕ 30° 40' 55.478"	
			Y=	λ 81° 27' 20.190"	
FERNANDINA, AMERICAN CONTAINER CORPORATION, TANK, 1954	G.P. Vol. I Pg. 956		X=	ϕ 30° 40' 52.326"	
			Y=	λ 81° 27' 25.046"	
AMELIA ISLAND LIGHTHOUSE, 1905	G.P. Vol. I Pg. 37		X=	ϕ 30° 40' 22.536"	
			Y=	λ 81° 26' 33.600"	
FERNANDINA, MUNICIPAL TANK, 1954	G.P. Vol. I Pg. 956		X=	ϕ 30° 40' 14.456"	
			Y=	λ 81° 27' 22.072"	
JOLLY U.S.E., 1932	G.P. Vol. I Pg. 49		X=	ϕ 30° 42' 59.656"	
			Y=	λ 81° 29' 43.453"	
BEACH 2, 1933 (S.S.A.)	164 Form Washington		X=	ϕ 352,568.54'	
			Y=	λ 2,321,647.52'	
			X=	ϕ	
			Y=	λ	
			X=	ϕ	
			Y=	λ	
COMPUTED BY A.C. Rauck, Jr.		DATE 8/16/74	COMPUTATION CHECKED BY J.R. Minton		DATE 8/20/74
LISTED BY		DATE	LISTING CHECKED BY		DATE
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE

COMPILATION REPORT

TP-00657

31. DELINEATION

Delineation was by the Wild B-8 stereoplotter.

Ratio prints of tide controlled infrared photography were used to delineate graphically the MHW and MLW lines, holding shoreline pass points dropped by the Wild B-8 plotter for horizontal control.

32. CONTROL

See "Photogrammetric Plot Reports," undated, bound with this Descriptive Report.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are not applicable to the project. No drainage was delineated.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water and mean low water lines were delineated from the tide coordinated color infrared photos.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

Copies of Form 76-40 for 1 non-floating aids to navigation and 4 landmarks were forwarded to the Rockville, MD office on June 3, 1975.

38. JUNCTIONS

See Item #5, Form 76-36b, bound with this Descriptive Report.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

A comparison was made with the following U.S. Geological Survey
Quadrangles: FERNANDINA BEACH, FL-GA, scale 1:24,000, dated 1958,
and CUMBERLAND ISLAND SOUTH, GA, scale 1:24,000, dated 1958.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following National Ocean Survey
chart: No. 1242, scale 1:80,000, dated Jan. 20, 1973.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

Lowell O. Neterer, Jr.
Lowell O. Neterer, Jr.
Cartographic Technician
Oct. 8, 1974

Approved:

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

ADDENDUM TO THE COMPILATION REPORT

TP-00657

FIELD EDIT

Adequate field edit was done by an experienced photogrammetrist in January, 1975.

15 August 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7306 (St. Marys Entrance to St. Augustine Inlet, Florida)

TP-00657

Amelia Island

Atlantic Ocean

Cumberland Island

Fort Clinch State Park

St. Marys Entrance

Approved by

Chas. E. Harrington
Staff Geographer-C51x2

NOAA FORM 75-74 (2-74)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW			
TP-00657			
1. PROJECTION AND GRIDS FPM	2. TITLE FPM	3. MANUSCRIPT NUMBERS FPM	4. MANUSCRIPT SIZE FPM
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY FPM	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) NA		7. PHOTO HYDRO STATIONS NA
8. BENCH MARKS NA	9. PLOTTING OF SEXTANT FIXES FPM	10. PHOTOGRAMMETRIC PLOT REPORT FPM	11. DETAIL POINTS
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE FPM	13. LOW-WATER LINE FPM	14. ROCKS, SHOALS, ETC. FPM	15. BRIDGES FPM
16. AIDS TO NAVIGATION FPM	17. LANDMARKS FPM	18. OTHER ALONGSHORE PHYSICAL FEATURES FPM	19. OTHER ALONGSHORE CULTURAL FEATURES FPM
PHYSICAL FEATURES			
20. WATER FEATURES FPM	21. NATURAL GROUND COVER NA		22. PLANETABLE CONTOURS NA
23. STEREOSCOPIC INSTRUMENT CONTOURS NA	24. CONTOURS IN GENERAL NA	25. SPOT ELEVATIONS NA	26. OTHER PHYSICAL FEATURES FPM
CULTURAL FEATURES			
27. ROADS FPM	28. BUILDINGS FPM	29. RAILROADS FPM	30. OTHER CULTURAL FEATURES FPM
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES FPM	34. JUNCTIONS FPM		35. LEGIBILITY OF THE MANUSCRIPT FPM
36. DISCREPANCY OVERLAY FPM	37. DESCRIPTIVE REPORT FPM	38. FIELD INSPECTION PHOTOGRAPHS FPM	39. FORMS FPM
40. REVIEWER Frank P. Margiotta Date 10/21/74		SUPERVISOR, REVIEW SECTION OR UNIT Albert C. Rauck, Jr.	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER J. Desch A.L. Shands		Date 2/26/75 3/10/75 SUPERVISOR Albert C. Rauck, Jr.	
43. REMARKS Field edit applied from field edit ozalid; no photographs were necessary; the tower at 30° 40' 54", 81° 27' 16" was located by use of the stereoplotter. Manuscript compilation complete.			

FIELD EDIT REPORT

JOB CM-7306

St. Mary's Entrance to St. Augustine Inlet, Florida

Map Manuscripts TP-00657 thru TP-00661

51. METHODS

Field edit of these manuscripts was accomplished by driving the road paralleling the coast or by driving the open beaches. All field edit deletions, additions or corrections have been noted on the field edit ozalids or photographs. Field edit information appears on photographs 73-L(C)-4347 thru 73-L(C)-4349; 73-L(C)-4352 thru 73-L(C)-4354 and 74-C-8988.

52. ADEQUACY OF COMPILATION

There was no field inspection prior to compilation. The compilation was adequate considering the type of photography used for that purpose. The black and white prints made from the infra-red color photography, and provided for field edit purposes, lack sharp image definition and are of poor tone in the land areas of the manuscripts.

53. MAP ACCURACY

No accuracy test were made.

54. RECOMMENDATIONS

None

55. EXAMINATION OF PROFF COPY

Due to the limited extent of compilation no examination of a proof copy was made.

Submitted by

Leo F. Beugnet

Leo F. Beugnet
Supervisory Cartographer
22 January 1975

REVIEW REPORT TP-00657

SHORELINE

September 3, 1975

61. GENERAL STATEMENT:

See Summary, which is page 6 of this Descriptive Report.

A comparison print, showing shoreline differences noted in Par. 62, 63 and 65 is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Surveys T-5131, T-5132, and T-5133, all 1:10,000 scale and all mapped from photography taken in November and December 1933. Shoreline differences are shown in blue on the comparison print.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. Quadrangles CUMBERLAND ISLAND SOUTH, GA, and FERNANDINA BEACH, FL-GA, both scale 1:24,000 and both dated 1959. Shoreline differences are shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No contemporary hydrographic surveys were available at the time of final review.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 11503, scale 1:20,000, 28th edition dated April 26, 1975. Shoreline differences are shown on the comparison print in red.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Project Instructions and meets the requirements for Bureau standards and National Standards for Map Accuracy.

Reviewed by:

Charles H Bishop

Charles H. Bishop
Cartographer
September 3, 1975

Approved for forwarding:

Victor E. Serena
Victor E. Serena
Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

COMPARISON PRINT

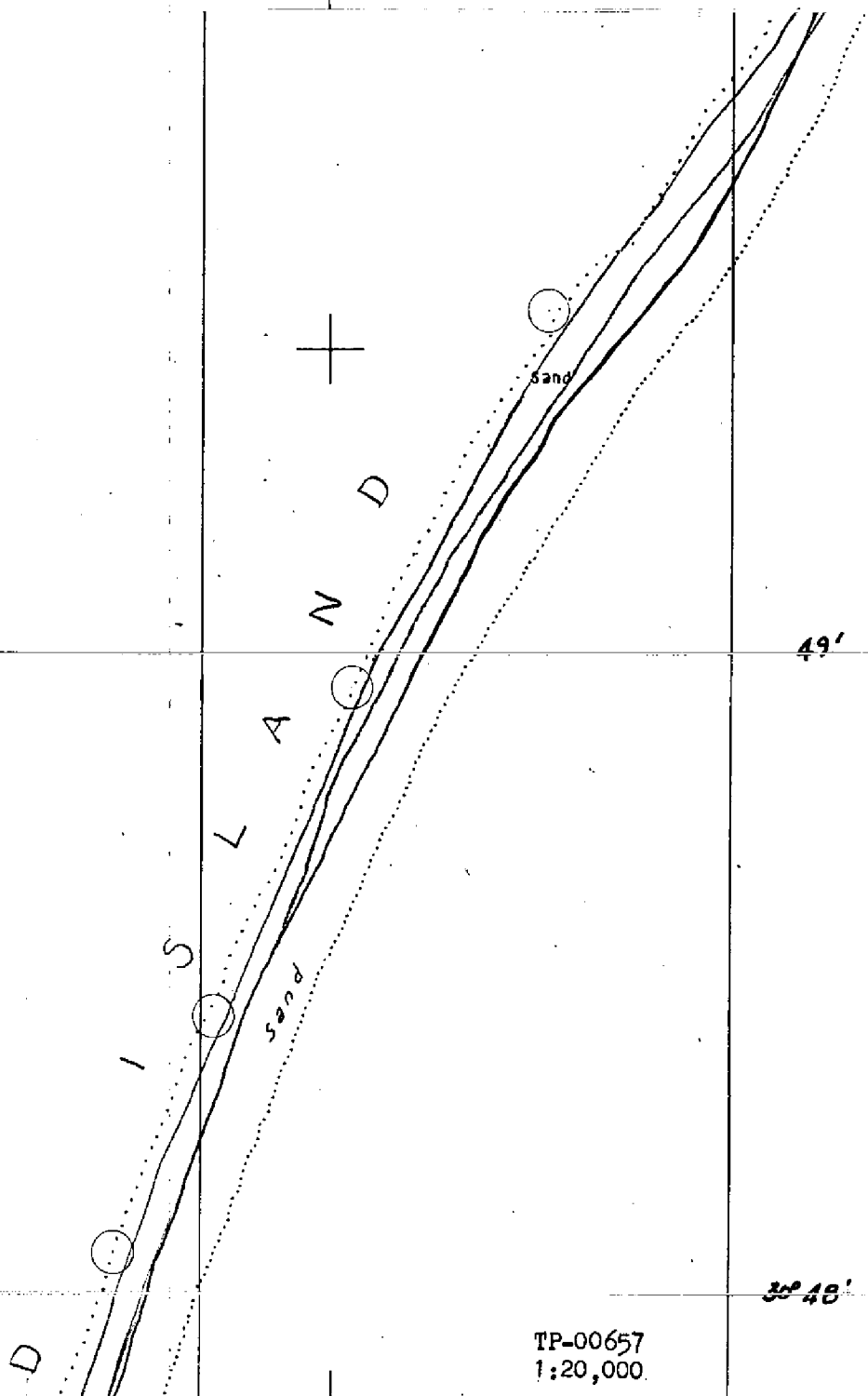
Blue = T-5131
Brown = USGS
Red = Chart 11503

28'

81° 27'

K = 360,000 FT

26'



49'

30° 48'

81° 28'

27'

26

GREYFIELD TANK 1933



C
U
M
B
E
R
L
A
N

47'

30° 46'

COMPARISON PRINT
Blue = T-5132
Brown = USGS
Red = Chart 11503

TP-00657
1:20,000

45'

81°28'

27'


27

sand

30° 44'

pubs

shoreline subject to freq

BEACH 2 1933  S.S. A

sand

43'

COMPARISON PRINT

Blue = T-5132

Brown = USGS

Red = Chart 11503

TP-00657
1:20,000

26'

81° 25'

28

Rock Jetty

30° 43'

ST MARYS ENTRANCE

Rock Jetty

42'

SLAND

60 (170) Ft.

30° 41'

COMPARISON PRINT
Blue = T-5133
Brown = USGS
Red = Chart 11503

730 (170) 4355

AMELIA ISLAND LIGHT
AMELIA ISLAND