

TP-00659

TP-00659

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-00659

Classification No. Edition No. 1

Field Edited Map

LOCALITY

State .. Florida

General Locality St. Marys Entrance to

Locality St. Augustine Inlet

Locality St. Johns River

19 73 TO 19 75

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>00659</u> MAP EDITION NO. <u>(1)</u> MAP CLASS JOB <u>XRE</u> <u>CM-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. <u>Final</u> 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 checked="" 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		I. Rayborn	None
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Calcomp.</u> CHECKED BY		R. Robertson	8/2/74
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: <u>Wild B-8</u> SCALE: <u>1:30,000</u>		L. Neterer, Jr. R.R. White	10/1/74 10/1/74
4. MANUSCRIPT DELINEATION METHOD: <u>Wild B-8 & Graphic</u> SCALE: <u>1:20,000</u>		L.O. Neterer, Jr. F. Margiotta NA NA NA NA	10/16/74 10/22/74
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		F. Margiotta	10/22/74
6. APPLICATION OF FIELD EDIT DATA CHECKED BY		Jim Byrd F. Margiotta	3/19/75 5/13/75
7. COMPILATION SECTION REVIEW BY		F. Margiotta	
8. FINAL REVIEW BY		C. Bishop	Sept. 1975
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-00659
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10 "C"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE MAYPORT, FL		(C) COLOR X		ZONE	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES (Atlantic Beach)		(P) PANCHROMATIC		5th	
<input type="checkbox"/> REFERENCE STATION RECORDS		(I) INFRARED X		MERIDIAN	<input type="checkbox"/> DAYLIGHT
<input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				75th	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
* 73C(c)(I)5132 - 5136	10/25/73	10:26	1:60,000	2.8 ft. above MLW	
** 73C(c)(I)4349 - 4351	10/2/73	13:28	1:60,000	± 0.2 ft. of MHW	
** 74C(c)(I)8982 - 8984	4/6/74	15:26	1:60,000	± 0.2 ft. of MLW	

REMARKS
 *Bridge and compilation photos, predicted tides.
 **Tide coordinated photos at MLW and MHW

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled graphically 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 graphically 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	EAST	SOUTH	WEST
TP-00658	No Survey	TP-00660	No Survey

REMARKS

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00659
HISTORY OF FIELD OPERATIONSI. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	D.M.F.	9/7/73
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	Unknown None Unknown
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA NA NA
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 BY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
		NA	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
73C(c)(I) 4254	McRORY, 1860		
73C(c)(I) 4349	ST. JOHNS LIGHT, 1905		
3. PHOTO NUMBERS (Clarification of details)			
None			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED			
None			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
73C(c)(I) 4349	ST. JOHNS LIGHT		
5. GEOGRAPHIC NAMES: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE	
7. SUPPLEMENTAL MAPS AND PLANS			
None			
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)			
CSI cards			

NOAA FORM 76-36C
(3-72)

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TP-00659

HISTORY OF FIELD OPERATIONS

1. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	Jeffrey G. Carlen	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 L.F. Beugnet	Jan. 1975
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY BY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	
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

3. PHOTO NUMBERS (Clarification of details)

73 C(c)(I) 4348 and 4349

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

Verified on F.E. Ozalid

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 76-36C
(3-72)

* U.S. G.P.O. 1972-769381/567 REG.#6

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00659
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	Mar. 1975	Class I Manuscript Superseded	6/12/75	
Final Reivew	Sept. 1975	Final	Sept. 1975	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
2		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, 19753. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

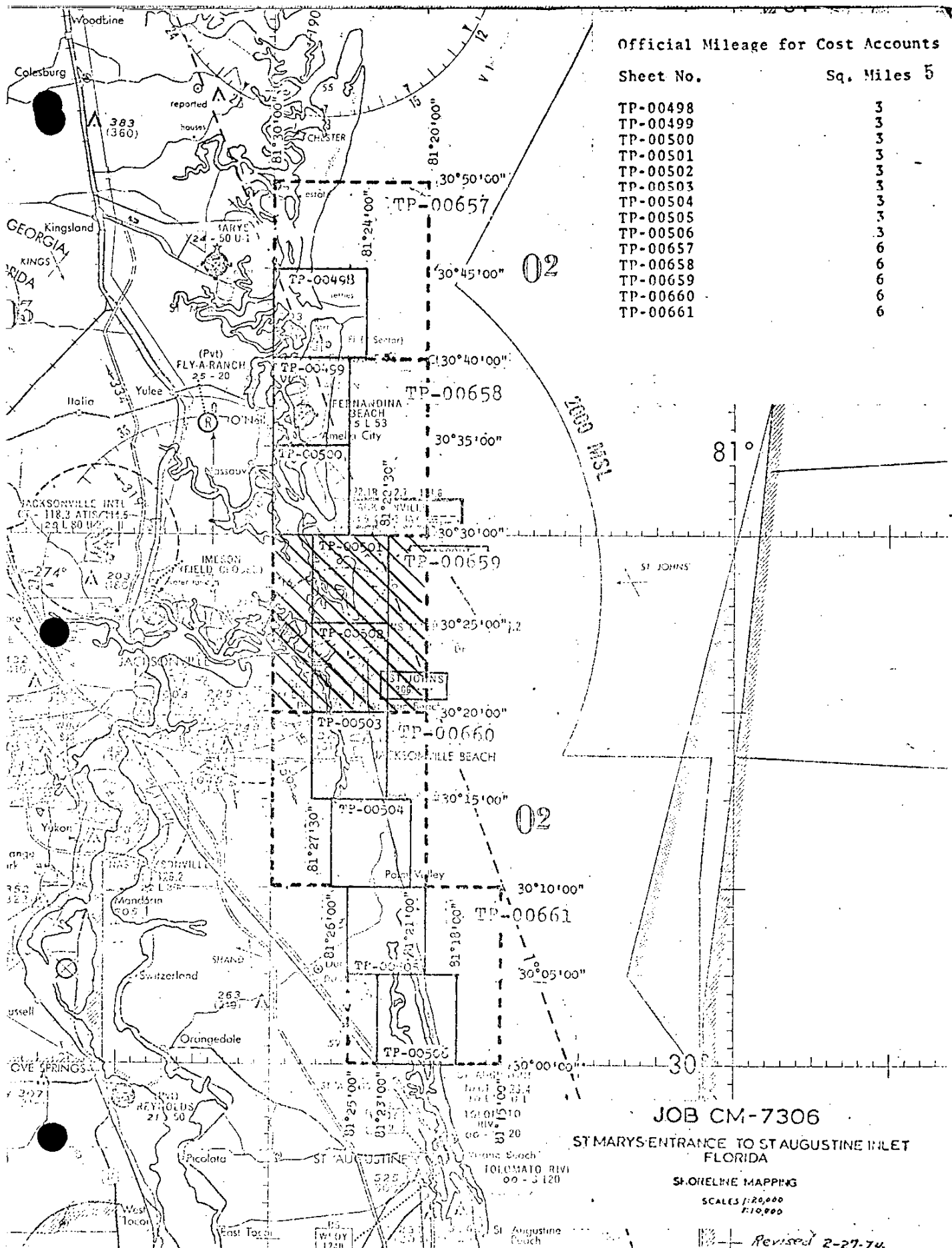
III. FEDERAL RECORDS CENTER DATA

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.

7

Photogrammetric Plot Report
St. Marys Entrance to St. Augustine Inlet
Florida
Job CM7306

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.

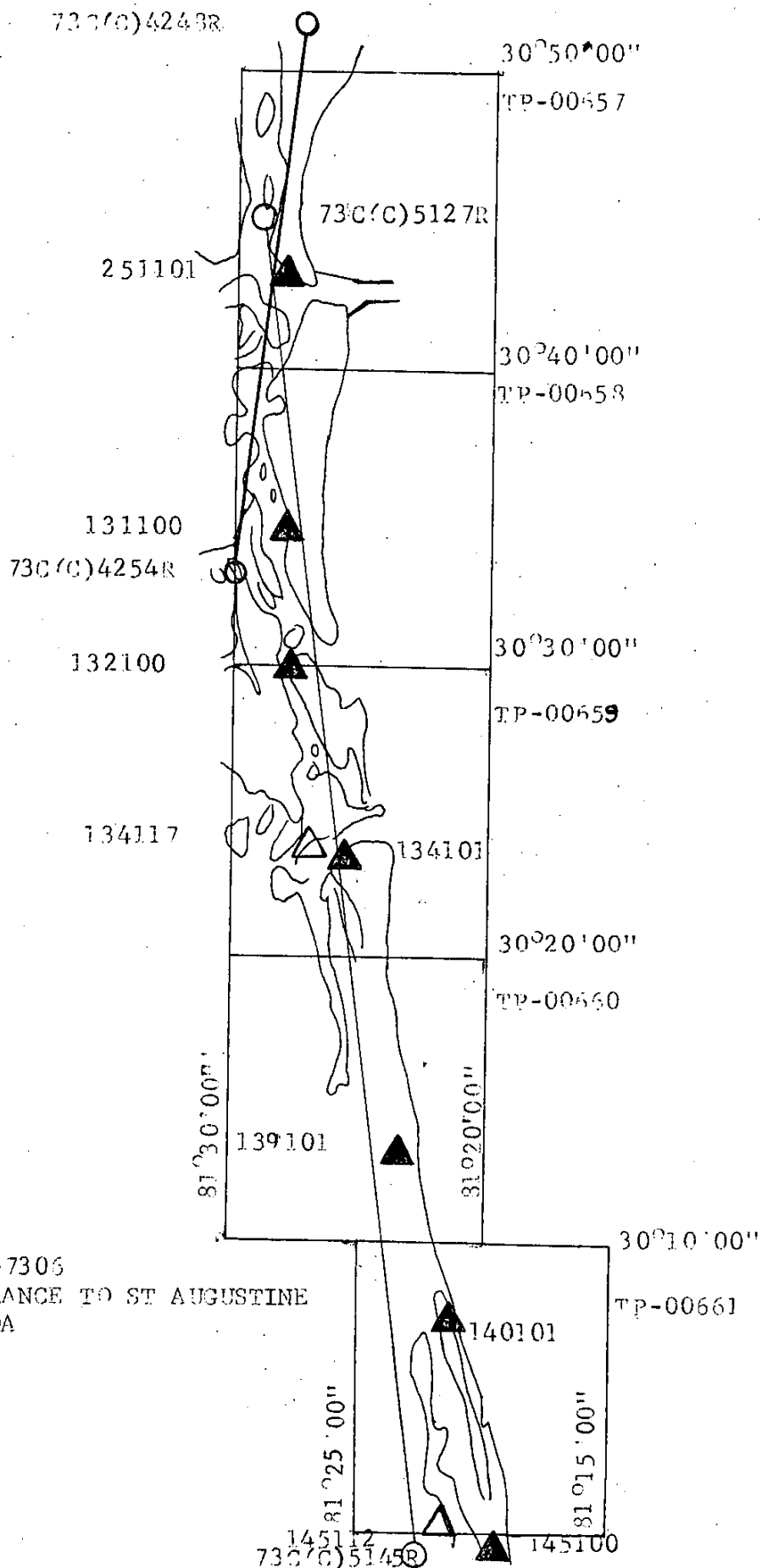
Respectfully submitted,

Ivey O. Raborn
Ivey O. Raborn

Approved and forwarded:

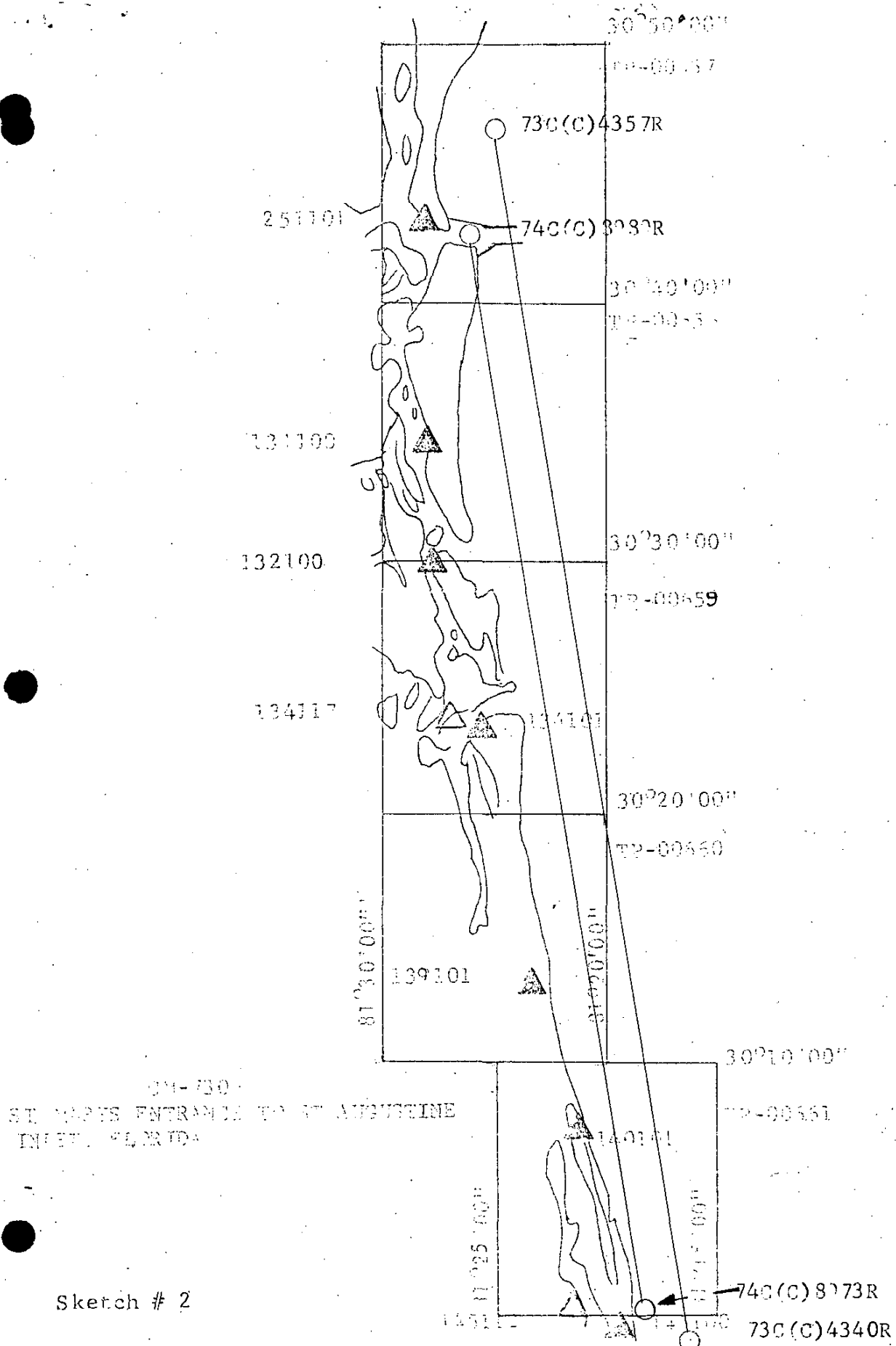
John D. Perrow Jr.

John D. Perrow, Jr.
Chief, Aerotriangulation Section



CM-7306
ST MARYS ENTRANCE TO ST AUGUSTINE
INLET, FLORIDA

Sketch # 1



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.		JOB NO.		GEODETTIC DATUM		ORIGINATING ACTIVITY			
TP-00659		CM-7306		N.A. 1927					
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS		
			STATE	FLORIDA	ϕ LATITUDE	λ LONGITUDE			
			ZONE	East					
NORTH JETTY, 1926	G.P. Vol I Pg. 78		x=		ϕ 30° 24'	15.237"			
			y=		λ 81° 24'	07.833"			
ST. JOHNS LIGHT, 1926	G.P. Vol I Pg. 39		x=		ϕ 30° 23'	35.989"			
			y=		λ 81° 25'	34.220"			
BEACON NO. 4, PILOT TOWN CUT, REAR RANGE LIGHT, 1926	G.P. Vol I Pg. 83		x=		ϕ 30° 24'	22.887"			
			y=		λ 81° 24'	42.253"			
ST. JOHNS LIGHTHOUSE, 1954	G.P. Vol I Pg. 933		x=		ϕ 30° 23'	09.292"			
			y=		λ 81° 23'	53.520"			
WARDS BANK, REAR RANGE, 1933	G.P. Vol I Pg. 63		x=		ϕ 30° 24'	21.333"			
			y=		λ 81° 26'	59.946"			
PABLO 2 (USE), 1908	G.P. Vol I Pg. 78		x=		ϕ 30° 22'	23.956"			
			y=		λ 81° 26'	43.586"			
			x=		ϕ				
			y=		λ				
			x=		ϕ				
			y=		λ				
			x=		ϕ				
			y=		λ				
			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-00659

31. DELINEATION

Delineation of interior details was by the Wild B-8 stereoplotter, using 1:60,000 scale color infrared photography taken with the "C" Camera.

Shoreline pass points were dropped to control the tide coordinated photography for locating the mean high and mean low water lines.

32. CONTROL

See the attached "Photogrammetric Plot Report," not dated.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

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

35. SHORELINE AND ALONGSHORE DETAILS

Alongshore details were delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

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

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

Copies of Form 76-40 for 2 non-floating aids to navigation and 4 landmarks were forwarded to the Rockville, MD office on June 3, 1975.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

See the attached Form 76-36b, item #5 of the Descriptive Report, concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with the following U.S. Geological Survey Quadrangles: Mayport, FL, scale 1:24,000, dated 1964 and Jacksonville Beach, FL, scale 1:24,000, dated 1964. Both Quadrangles were photo-revised in 1970.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey chart: No. 1243, scale 1:80,000, dated Jan. 27, 1973.

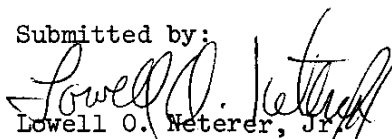
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:



Lowell O. Neterer, Jr.

Cartographic Tech., Oct. 16, 1974

Approved:



Albert C. Rauck, Jr.

Chief, Coastal Mapping Section.

ADDENDUM TO THE COMPILATION REPORT

TP-00659

FIELD EDIT

Field edit was adequate, except that the radio beacon at approx. lat. $30^{\circ} 23' 09''$, long. $81^{\circ} 23' 51''$ was not visible on the photographs and was not located in the field, and, therefore is not mapped on TP-00659.

15 August 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00659

Atlantic Beach

Atlantic Ocean

Bird Island

East Mayport

Fort George Inlet

Little Talbot Island

Little Talbot Island State Park

Manhattan Beach

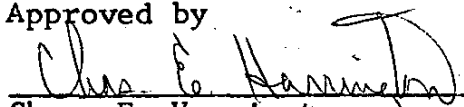
Nassau Sound

St. Johns Point

St. Johns River

Seminole Beach

Approved by


Chas. E. Harrington
Staff Geographer-C51x2

PHOTOGRAMMETRIC OFFICE REVIEW

TP-00659

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	10. PHOTOGRAMMETRIC PLOT REPORT FPM	11. DETAIL POINTS FPM
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	19. OTHER ALONGSHORE CULTURAL FEATURES
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		35. LEGIBILITY OF THE MANUSCRIPT FPM
36. DISCREPANCY OVERLAY FPM	37. DESCRIPTIVE REPORT FPM	38. FIELD INSPECTION PHOTOGRAPHS FPM	39. FORMS FPM
40. REVIEWER <i>Frank Margiotta</i> Frank Margiotta Oct. 1975		SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> 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 A.L. Shands <i>als</i> , Mar. 19, 1975 <i>Jim Byrd</i> J.L. Byrd Mar. 19, 1975		SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
Checked by: F. Margiotta May, 1975			
43. REMARKS Field edit applied from: Field edit ozalid photos 73C(c)(I)4348 & 4349 - Forms 76-40.			

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 infrared 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

Replaces C&GS Form 567.

NON-FLUORESCENT LANDMARKS FOR CHARTS

U.S. DEPARTMENT OF COMMERCE
D ATMOSPHERIC ADMINISTRATION

REPORTING UNIT
Field Party, Ship or Office
Coastal Mapping
AMC-Norfolk, Va.

REPORTING UNIT
Field Party, Ship or Office)
Coastal Mapping Div.

TE
Florida

LOCALITY - St. Marys Entrance
St. Augustine Inlet

DATE
Mar. 1975

NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION
DEPARTMENT OF COMMERCE
NO. 1611-108-01 LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY

HYDROGRAPHIC PARTY
GEODETIC PARTY
PHOTO FIELD PARTY
COMPILATION ACTIVITY
FINAL REVIEWER
QUALITY CONTROL & RE
COAST PILOT BRANCH

The following objects HAVE ☒ HAVE NOT ☐ been inspected from seaward to determine their value as landmarks.

THE FOLLOWING ARE:
OPR PROJECT NO.

JOB NUMBER

SURVEY NUMBER

DATUM

22.4.1927

100

METHOD AND DATA

METHOD AND DATE OF LOCATION

DATE	DESCRIPTION
01-1-2000	Record reason for deletion of landmark or aid to navigation.
01-1-2000	Show triangulation station names, where applicable, in parentheses.

Steel. $H_t = 190(190)$

Att. = 149(155)

Abandoned Lighthouse
(St. Johns Light, 1926)

 $\cdot Ht. = 129(143)$

1

30-23

27.02

81-24

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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April 6, 1971

100

10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044

[illegible]

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	OFFICE ACTIVITY REPRESENTATIVE <input checked="" type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.)	
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field 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. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	III. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 II. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.

REVIEW REPORT TP-00659

SHORELINE

September 5, 1975

61. GENERAL STATEMENT:

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

Cartographic comparison shows that shoreline northward from Lat. $30^{\circ} 22'$ is very changeable. 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-10827 and T-10832, 1:10,000 scale planimetric manuscripts compiled from photography dated May 1958. Shoreline differences are shown in blue on the comparison print. In the area compared, TP-00659 supersedes T-10827 and T-10832 for nautical chart construction purposes. T-10827 and T-10832 are the latest registered prior surveys covering the area.

No comparison was made north of Lat. $30^{\circ} 26' 15''$.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with USGS Quadrangles MAYPORT, FL and JACKSONVILLE BEACH, FL, both 1:24,000 scale and dated 1964. These quadrangles were photorevised in 1970. Shoreline differences are shown on the comparison print in brown.

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 11489, 1:40,000 scale, 12th edition, dated August 1974. Shoreline differences are shown in red on the comparison print.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Reviewed by:

Charles H. Bishop

Charles H. Bishop
Cartographer
5 September 1975

Approved for forwarding:

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

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

81° 24'

22

COMPARISON PRINT

Blue = T-10827

Brown = USGS

Red = Chart 11489

PILOT TOWN CUT
 REAR RANGE LIGHT
 (BEACON No 4 PILOT
 TOWN CUT REAR RANGE
 LIGHT 1926)

NORTH JETTY 1926

North
Jetty

ST JOHNS RIVER

30° 24'

South

St Johns Point

TOWER
 (ST JOHNS LIGHT 1926)
 Abolished

TOWER
 h.f. 180 (180)

East Mayport

TANK h.f. 149 (155)

ST. JOHNS LIGHT
 (ST. JOHNS LIGHTHOUSE 1954)

Beach

Seminole

Sand

23'

charted wreck
 not visible on
 photos.

TP-00659
 1:20,000

PORT ISLAND STATE PARK

25'

TALBOT

ISLAND

81° 24'

23

30° 27'

COMPARISON PRINT

Blue = T-10827
Brown = USGS
Red = Chart 11489

26'

pier

Sand

Fort George Inlet

sand

Area subject to
frequent change

TP-00659
1:20,000

COMPARISON PRINT

Brown = USGS
Red = Chart 11489

