

TP- 00492

TP- 00492

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-7205 Map No. TP-00492
Classification No. Edition No. 1
Final Reviewed Map

LOCALITY

State Georgia
General Locality Savannah to
St. Marys Entrance
Locality St. Catherines Sound

19 71 TO 19 74

REGISTRY IN ARCHIVES

DATE 12 FEB 1976

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>00492</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB <u>RRK</u> CM-7205	
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	
Aerotriangulation Jan 8, 1971 Compilation April 9, 1973		Oct. 22, 1971 Sept. 25, 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 Georgia 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.O. Raborn	May, 1973
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Coradomat</u> CHECKED BY			
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY		L.O. Neterer, Jr.	June, 1973
INSTRUMENT: <u>Wild B-8</u> CONTOURS BY SCALE: <u>1:15,000</u> CHECKED BY		A.L. Shands	June, 1973
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY		W. Gilbert	June, 1973
METHOD: <u>Wild B-8 and graphic</u> CONTOURS BY SCALE: <u>1:20,000</u> CHECKED BY		R.R. White	June, 1973
HYDRO SUPPORT DATA BY CHECKED BY		NA	NA
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		R.R. White	June, 1973
6. APPLICATION OF FIELD EDIT DATA BY		F. Margiotta	Dec., 1974
CHECKED BY		A.L. Shands	Feb., 1975
7. COMPILATION SECTION REVIEW BY		A.L. Shands	Feb., 1975
8. FINAL REVIEW BY		C.H. Bishop	Sept. 1975
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY			
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY			
11. MAP REGISTERED - COASTAL SURVEY SECTION BY			

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00492
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "E" & RC-9 "M", RC-10 "C"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE SAVANNAH RIVER ENT.		(C) COLOR X		ZONE	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
<input checked="" type="checkbox"/> PREDICTED TIDES Walburg Creek Ent.		(P) PANCHROMATIC X		5th	
<input type="checkbox"/> REFERENCE STATION RECORDS		(I) INFRARED X		MERIDIAN	
<input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				75th	

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
* 71E(C)9006 - 9014	11/4/71	13:25	1:30,000	1.9 ft. above MLW
** 73C(C)(I)4487 - 4491	10/8/73	15:34	1:60,000	+ 0.2 ft. of MHW
** 74C(C)(I)9010 - 9011	4/6/74	15:30	1:60,000	+ 0.2 ft. of MLW
** 74C(C)(I)9133 - 9136	4/7/74	15:43	1:60,000	+ 0.2 ft. of MLW
71M(P) 738 - 743 (Brid-	11/4/71	12:05	1:60,000	3.6 ft. above MLW
71M(P) 690 - 694 } ing)	11/4/71	10:49	1:60,000	7.7 ft. above MLW

REMARKS

*Bridging Compilation photos
 **Tide coordinated photos at MHW and MLW

2. SOURCE OF MEAN HIGH-WATER LINE:

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

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

The mean low water line was compiled from tide coordinated 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-00491	No Survey	TP-00493	No Survey

REMARKS

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

TP-00492

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J.K. Wilson	Nov. 1971
2. HORIZONTAL CONTROL	RECOVERED BY R.E. Kesselring	Nov. 1971
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY R.E. Kesselring	Nov. 1971
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 NA	
	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	
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
71M-743	LAND, 1913		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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

7. SUPPLEMENTAL MAPS AND PLANS

None

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

CSI card

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

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	Richard E. Kesselring	May-Aug. 74
2. HORIZONTAL CONTROL	RECOVERED BY " " "	
	ESTABLISHED BY " " "	
	PRE-MARKED OR IDENTIFIED BY " " "	Oct. 1970
3. VERTICAL CONTROL	RECOVERED BY	
	ESTABLISHED BY N. A.	
	PRE-MARKED OR IDENTIFIED BY	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY	
	LOCATED (Field Methods) BY Richard E. Kesselring	May 1974
	IDENTIFIED BY " " "	" "
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	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N. A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED
Pre-mark

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details) Field Edit

71E (C)9104 ; 71E(C) 9008 B&W; 71E(C) 9011 B&W

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

One landmark located by field survey methods.

One Non-Floating Aid
verified.

Three Non-Floating Aids located by field Survey Methods.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
N. A.	Tree	71E (C)9013	Bear River Light 110
	Bear River Light 112		
	St. Catherines Sound Light 114		
	St. Catherines Sound Light 114A		

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)

2-Form 76-40

NOAA FORM 76-36D
(3-72)

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

TP-00492
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	June 1973	Class III Manuscript Superseded	Hold	July 9, 1973
Shoreline and alongshore details revised from 1973 color infrared photos.	April 1974	Class III Manuscript Superseded		
Field edit applied Compilation complete	Dec. 1974	Class I Manuscript Superseded	Mar. 18, 1975	
Final Review	Sept. 1975			

II. LANDMARKS AND AIDS TO NAVIGATION**1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH**

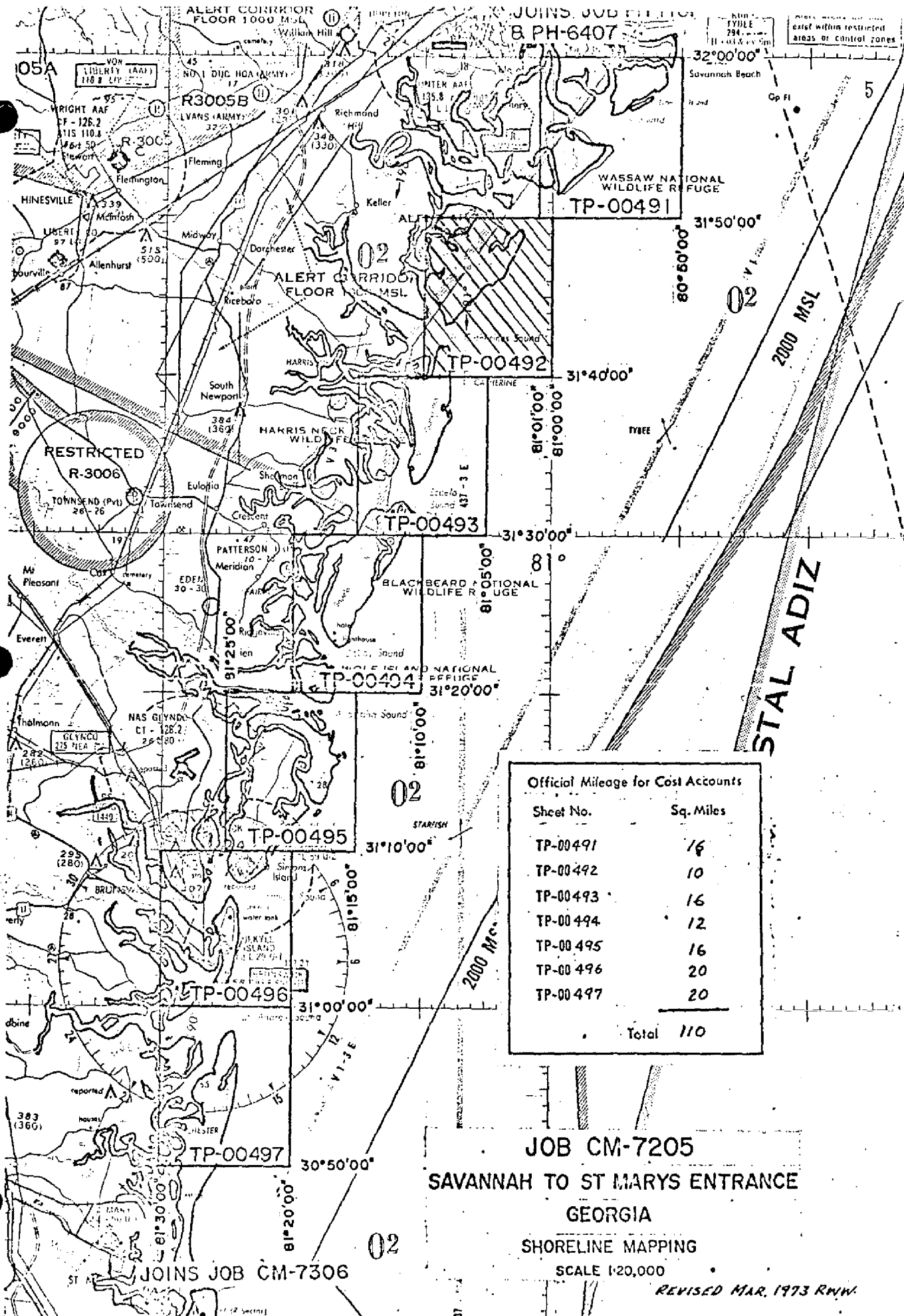
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
	1741-74	Dec. 11, 1974	Non-floating aids
	1741-74	Dec. 11, 1974	Landmarks

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: December 11, 19743. ☐ 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	



JOB CM-7205
SAVANNAH TO ST MARYS ENTRANCE
GEORGIA
SHORELINE MAPPING
SCALE 1:20,000
REVISED MAR. 1973 RMW

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORTS TP-00491 through TP-00497

Project CM-7205 is one of several small shoreline projects that are included in the Southern Coastal Plains Expedition. It consists of seven 1:20,000 scale shoreline manuscripts and extends from Savannah, Georgia southward to St. Marys Entrance, Georgia. Only the Atlantic Ocean shoreline was mapped.

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

Bridging for Maps TP-00491 through TP-00495 was done by analytic aerotriangulation methods in the Rockville Office in May 1973, using 1:60,000 scale panchromatic photographs taken in 1971. TP-00496 and TP-00497 were bridged in February 1974, using 1:30,000 scale color photographs taken in October 1973.

Compilation was done at the Atlantic Marine Center in June and July 1973 and June and July 1974.

Field edit was done in August 1973 and August 1974.

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

The original manuscript for TP-00491 was a stabilene sheet 10 minutes in latitude by 11 minutes in longitude. The original manuscripts for TP-00492 through TP-00497 were stabilene sheets 10 minutes in latitude by 10 minutes in longitude.

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

Photogrammetric Plot Report
Savannah to St. Marys Entrance, Georgia
Job CM-7205
May 1973

21. Area Covered

This report pertains to the shoreline of Georgia from Savannah to St. Marys Entrance. This area is covered by 5 1:20,000 scale sheets, TP-00491 thru TP-00495. TP-00496 cannot be compiled because the strip adjustment pertaining to this sheet did not meet National Map Accuracy Standards. TP-00496 and TP-00497 will be compiled on Job CM-7306, St. Marys Entrance to St. Augustine Inlet, Florida.

22. Method

Two strips of 1:60,000 scale panchromatic photography were bridged by analytic aerotriangulation methods. The two strips were controlled by field identified control paneled in 1971. Old control, which was field identified in 1965 - 1966, was floated for checks. Ties were made between strips one and ten. Strip number one was adjusted using 3 horizontal stations as control with 6 old stations as checks. Sketch number 1 shows the layout of the sheets, strips of bridging photographs and the location of horizontal control stations. The positions of common points between the 1:60,000 and 1:30,000 scale photography were determined in order to ratio the 1:30,000 scale photography. Sketch number 2 shows the location of the strips of 1:30,000 scale photography for compilation. Attached to this report is a tabulation of control.

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

23. Adequacy of Control

The control was adequate with the inclusion of old material as checks.

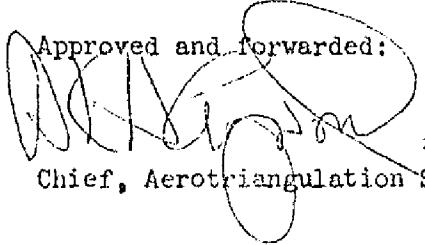
24. Supplemental Data

No supplemental data used.


25. Photography

The photography was adequate as to coverage, overlap, and definition.

Approved and forwarded:


FOR
Chief, Aerotriangulation Section

Respectfully submitted,


Ivey O. Raborn

Savannah to St. Marys Entrance, Georgia

Fit to Control

(x, y) in feet

STRIP NUMBER 1

1.	Yellow Bluff, 1858, subpoint A. panel		
2.	OS 3, 1933, subpoint 1*	(-2.29),	(+.42)
3.	Land, 1913, subpoint A, panel		
4.	TyBee Water Works Tank, 1934*	(+1.05),	(-2.09)
5.	TyBee Lighthouse, 1932, subpoint A, panel		
6.	TyBee Lighthouse, 1932*	(-.79),	(+2.16)

STRIP NUMBER 10

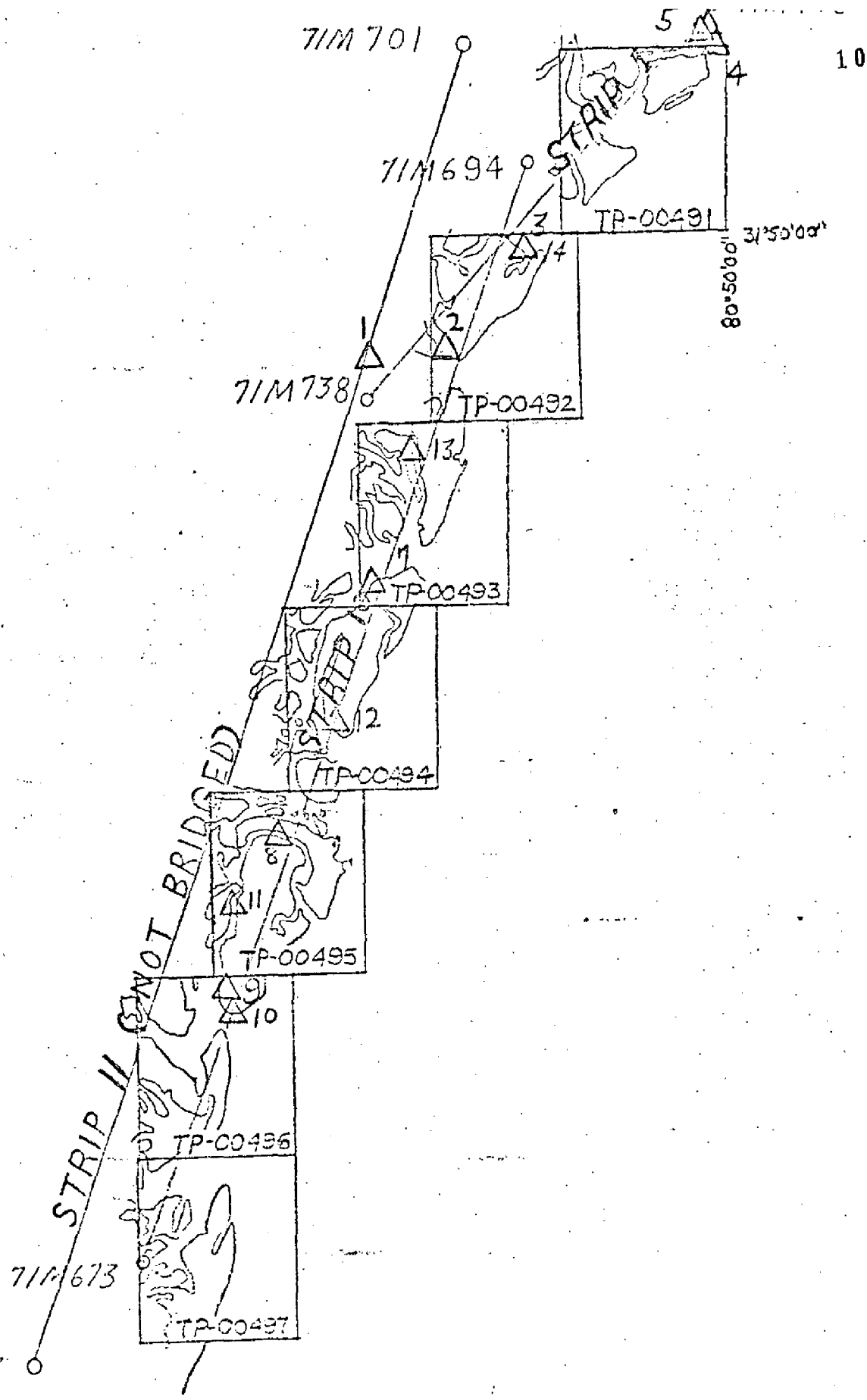
2.	OS 3, 1933, subpoint 1*	(-.79),	(-1.89)
3.	Land, 1913, subpoint A, panel	(-1.42),	(-.55)
7.	Coffin (USE), 1932, subpoint A, Panel	(+6.49),	(+4.39)
8.	Copper, 1932, subpoint A, panel	(-9.82),	(-6.69)
9.	McKinnon Airport Beacon, subpoint A, panel	(+4.76),	(+2.87)
10.	St. Simons Lighthouse, 1933*	(+1.23),	(+6.65)
11.	Fred, 1933, subpoint A*	(-8.92),	(-3.09)
12.	Sapelo Island Lighthouse, 1859*	(-4.07),	(+5.69)
13.	English Cut, 1858, subpoint A*	(+.82),	(+5.40)
14.	Land, 1913, subpoint A*	(-5.13),	(+4.03)

* Office identified or from previous job

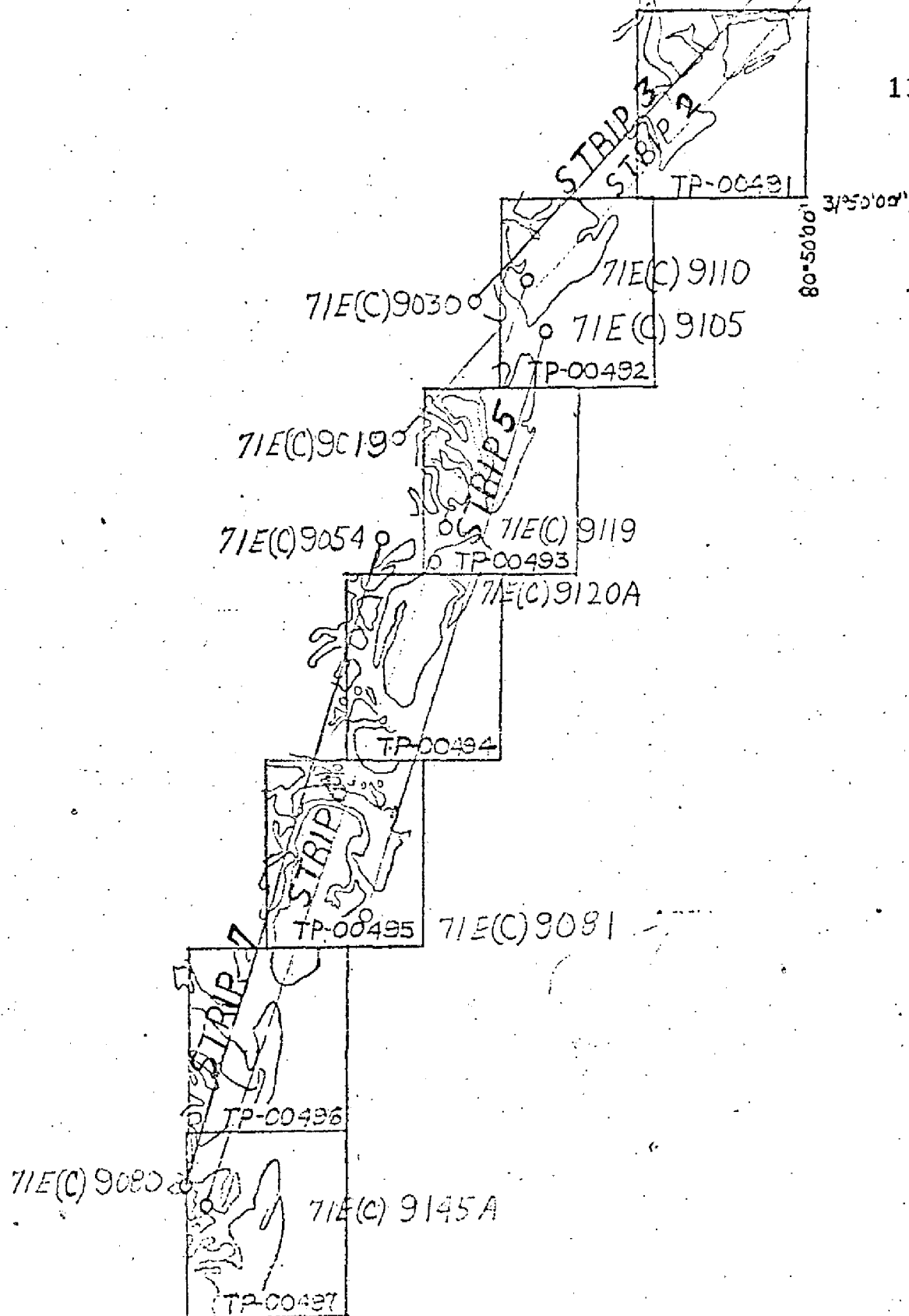
Notes to Compiler

Strip number 11 will not be bridged at this time. Compilation points to control the northwest corner of TP-00493 were dropped from strip number 10. Strip 10 did not overlap strip 7 enough to drop compilation points for TP-00494, but points were dropped on strip 7 from strip 10 for TP-00495. They are considered weak.

TP-00496 cannot be compiled because the strip adjustment pertaining to this sheet did not meet requirements. Points 183902, 114901, and 115901 may be difficult to hold in compilation, if so, then set model 9084-9083 and drop a point in the area of 183902 in order set model 9082 and 9083. Set either model 9113-9114 or 9115-9116 and drop a point in the area of 114901 and 115901.



SKETCH # 1



SKETCH # 2

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	GEODETIC DATUM		ORIGINATING ACTIVITY		REMARKS
					STATE	ZONE	COORDINATES IN FEET	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	
TP-00492	CM-7205	Land, 1913	Quad. 310-811 1078		N.A. 1927	Georgia	East	x=	φ 31° 49' 21.18300"
								y=	λ 81° 03' 00.55300"
OS 3, 1933			Quad. 310-811 1115					x=	φ 31° 43' 21.41300"
								y=	λ 81° 08' 21.61900"
HORSE, 1934			Quad. 310-811 1070					x=	φ 31° 49' 36.28300"
								y=	λ 81° 04' 03.66900"
								x=	φ
								y=	λ
								x=	φ
								y=	λ
								x=	φ
								y=	λ
								x=	φ
								y=	λ
								x=	φ
								y=	λ
								x=	φ
								y=	λ
								x=	φ
								y=	λ
								x=	φ
								y=	λ
COMPUTED BY	A.C. Rauck, Jr.-W. Gilbert	DATE 5/11/73	COMPUTATION CHECKED BY	L.B. Foltz	DATE 6/20/73				
LISTED BY		DATE 6/20/73	LISTING CHECKED BY		DATE				
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE				

COMPILATION REPORT

TP-00492

31. DELINEATION

Delineation of all features except the mean high and mean low water lines was by the Wild B-8 plotter, using 1:30,000 scale color photography taken in Nov. 1971. The mean high and mean low water lines were delineated graphically.

32. CONTROL

See the attached "Photogrammetric Plot Report", dated May, 1973.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

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

The mean high water line was compiled from office interpretation of ratio prints of 1:60,000 scale tide coordinated color infrared photographs taken in October 1973, using shoreline pass points as control.

The mean low water line was compiled in the same manner from ratio prints of 1:60,000 scale tide coordinated color infrared photographs taken in April, 1974.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

Copies of Form 76-40 for 4 non-floating aids to navigation and 1 landmarks were forwarded to the Rockville, MD office on Dec. 9, 1974.

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: ST. CATHERINES SOUND, GA, scale 1:24,000, dated 1954 and RACCOON KEY, GA, scale 1:24,000, dated 1957.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey chart: 1241 9th Ed., April 22, 1972, scale 1:80,000

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

*Charles H. Bishop**for* Willie Gilbert
Cartographic Aid
June 25, 1973

Approved:

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

ADDENDUM TO THE COMPILATION REPORT

TP-00492

FIELD EDIT

Field edit was adequate.

18 August 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7205 (Savannah to St. Marys Entrance, Georgia)

TP-00492

Atlantic Ocean

Bradley Point

North Beach

Ocean Pond

Ossabaw Island

Ossabaw Slough

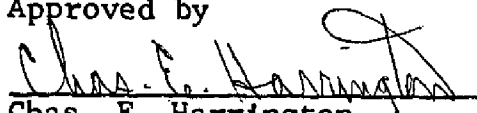
Ossabaw Sound

Pelican Point

St. Catherines Sound

St. Catherines Island

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-00492			
1. PROJECTION AND GRIDS RRW	2. TITLE RRW	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE RRW
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY		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 RRW	11. DETAIL POINTS
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE RRW	13. LOW-WATER LINE RRW	14. ROCKS, SHOALS, ETC.	15. BRIDGES
16. AIDS TO NAVIGATION RRW	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
PHYSICAL FEATURES			
20. WATER FEATURES RRW		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
CULTURAL FEATURES			
27. ROADS	28. BUILDINGS	29. RAILROADS	30. OTHER CULTURAL FEATURES
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES RRW		34. JUNCTIONS RRW	35. LEGIBILITY OF THE MANUSCRIPT RRW
36. DISCREPANCY OVERLAY RRW	37. DESCRIPTIVE REPORT RRW	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS RRW
40. REVIEWER <i>Richard R. White</i> Richard R. White		SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> A.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.			
COMPILED BY <i>Frank Margiotta</i> Frank Margiotta		SUPERVISOR <i>Albert C. Rauck, Jr.</i> A.C. Rauck, Jr.	
Reviewed by: A.L. Shands		Feb. 1975	
43. REMARKS Field Edit Applied From - Field Edit Ozalid, Form 76-40, and Photos 71E(C) 9104, 9011, 9008.			

FIELD EDIT REPORT
SAVANNAH TO ST. MARYS ENT., GA..
JOB CM-7205
MAP TP-00492

52. Adequacy of Compilation

Compilation was adequate. The shoreline was accepted as compiled per the instructions received from the Chief, Coastal Mapping Division dated May 28, 1974. Two areas of shoreline on this map are subject to frequent change. They are the areas around Pelican Point near the center of Ossabaw Island and the inlet at the north end of Ossabaw Island. There are numerous dead trees in the foreshore at the north end of St. Catherines Island. New photography was flown of this area in April 1974.

54. Recommendations

There are no recommendations.

55. Examination of Proof Copy

Geographic Names

No investigation of geographic names was requested or made.

56. Landmarks and Non-Floating Aids for Navigation

One new landmark was recommended for this map. It is a prominent tall tree and/or trees located at latitude $31^{\circ} 46.9'$ longitude $81^{\circ} 08.1'$.

There are four fixed aids within the compiled limits of this sheet, three of these were located by field survey methods and one verified from office compilation. They were entered on form 76-40 and are included with this report. Three other fixed aids fall outside the western limits of the map, they were located for use by the hydrographic party. These, also, were entered on a separate form 76-40 and are included with this report for proper dissemination.

57. Rocks, Reefs, and Shoals

There are no rocks, reefs, or shoals, as defined, within the compiled limits of this map.

58. Photography

Photography consisted of 1:30,000 scale contact prints and 1:20,000 black and white ratios of the color photography. The photography was adequate.

59. Disposition of Data

The field edit original, field prints containing field edit information, and all pertinent field edit data were forwarded to the Director, Atlantic Marine Center.


Richard E. Kesselring
Surveying Technician
Photo Party 62

REVIEW REPORT TP-00492

SHORELINE

September 29, 1975

61. GENERAL STATEMENT:

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

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

North of Lat. $31^{\circ} 43'$ a comparison was made with T-5115, 1:20,000 scale, compiled from photography of 1933. South of Lat. $31^{\circ} 43'$ a comparison was made with T-9949 (N) & (S), scale 1:10,000, field edited in 1954. Significant differences in shoreline are shown on the comparison print in blue.

In the area compared, TP-00492 supersedes Surveys T-5115 and T-9949 for nautical chart construction purposes. T-5115 and T-9949 are the latest registered prior surveys of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with USGS Quadrangles RACCOON KEY, GA, 1:24,000 scale, dated 1957 and ST. CATHERINES SOUND, GA, 1:24,000 scale dated 1954. Significant differences are shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with a copy of the field sheet for Survey H-9462 (WH-20-3-74). The only area compared was the north end of ST. Catherines Island and the south end of Ossabaw Island. No significant differences were noted.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 11511, 1:40,000 scale, 7th edition, dated March 22, 1975. Significant differences are shown in red on the comparison print.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted by:

Charles H. Bishop

Charles H. Bishop

Cartographer

September 29, 1975

Approved for forwarding:

Victor E. Serena

Victor E. Serena

Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch,

Chief, Coastal Mapping Division

LAND, 1913

Bradley Point

Area subject to
frequent change

Sand

Sand

Sand

Sand

COMPARISON PRINT

Blue = T-5115

Brown = USGS

Red = Chart 11511

Ocean
Pond

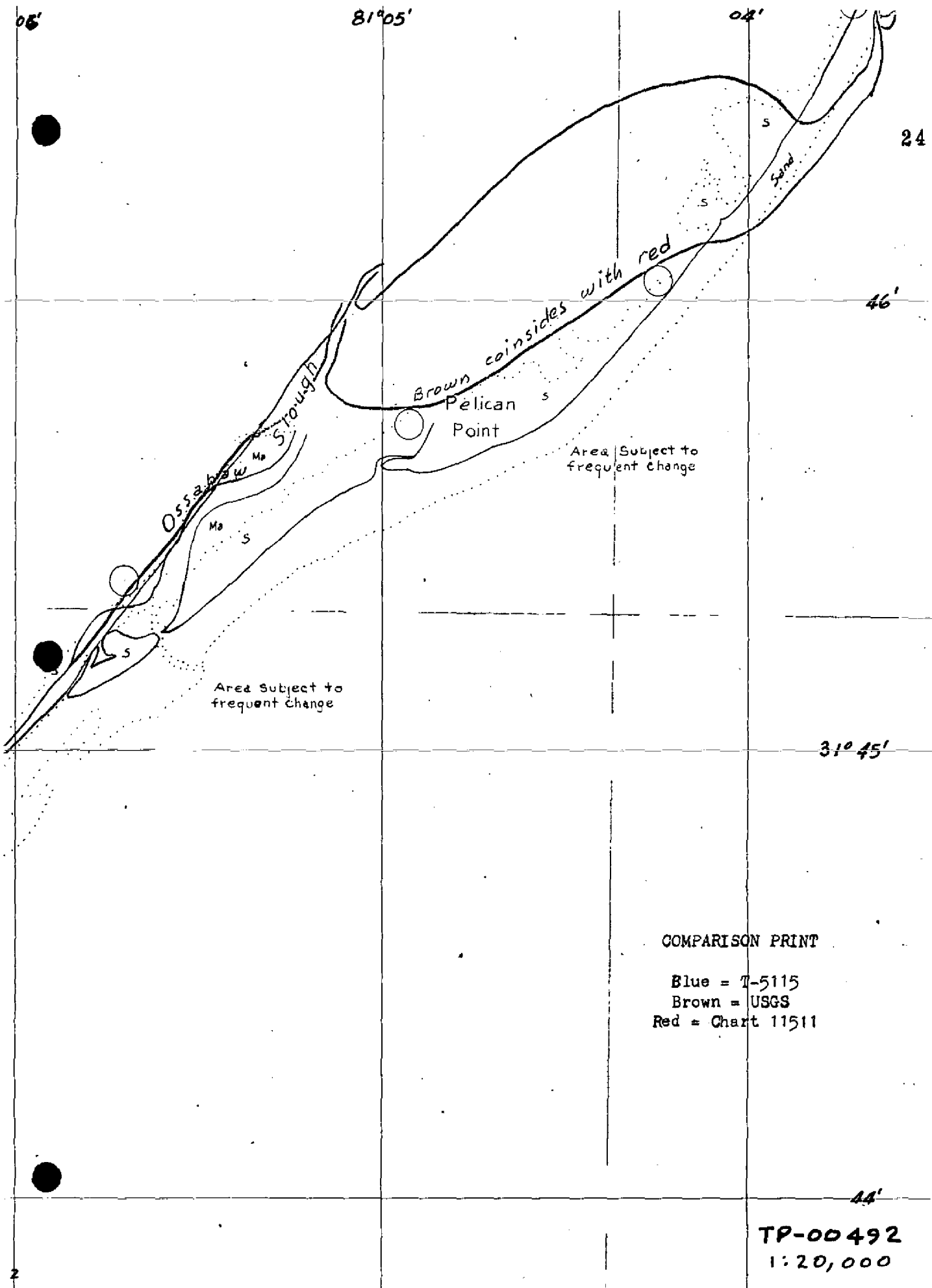
Road

5 * M

31° 47'

TP-00 492

1:20,000



08'

81°07'

25

NOTE:

"The photogrammetric location and delineation of features offshore from the mean high-water line on this survey may not be complete or final. The contemporary reviewed hydrographic survey of the area where available, should be consulted for the final delineation."

Road

44'

LIGHT 112

QS 3, 1933

Sand

Sand

Sand

COMPARISON PRINT

Blue = T-5115

Brown = USGS

Red = Chart 11511

SOUND

31°43'

N E S
3

S O U N D

TP-00492

1:20,000

81° 09'

08

26

520,000 FT.

42'

COMPARISON PRINT

Blue = T-9949 (N) & (S)

Brown = USGS

Red = Chart 11511

ST CATHERINES ISLAND

Sand
Dunes

Beach

North

Sand
Dunes

610,000 FT.

31° 40' 00"

81° 10' 00"

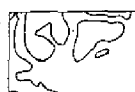
09'

X=820,000 FT.

08'

INDEX TO ADJOINING SHEETS JOB CM-7205

JOINS JOB PH-7101 & PH-6407



32° 00' 00"
Savannah
Beach

TP-00 492
1:20,000