

TP- 00491

TP- 00491

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-00491

Classification No. Edition No. 1

Field Edited Map

LOCALITY

State Georgia

General Locality Savannah to St. Marys Entrance

Locality Wassaw 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 OFFICER-IN-CHARGE Jeffrey G. Carlen, CDR		SURVEY TP. <u>00491</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB <u>CM-7205</u>	
I. INSTRUCTIONS DATED		LAST PRECEDING MAP EDITION	
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>Coradamat</u> CHECKED BY		E. Allen	3/26/73
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: <u>Wild B-8</u> CONTOURS BY SCALE: <u>1:15,000</u> CHECKED BY		L.O. Neterer, Jr. R.R. White NA NA	May, 1973 May, 1973
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: <u>Wild B-8 and graphic</u> CONTOURS BY SCALE: <u>1:20,000</u> CHECKED BY HYDRO SUPPORT DATA BY CHECKED BY		L.O. Neterer, Jr. S. Kumer NA NA NA NA	May, 1973 June, 1973
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		Susan Kumer	June, 1973
6. APPLICATION OF FIELD EDIT DATA BY		Frank Margiotta	Nov., 1974
7. COMPILATION SECTION REVIEW BY		A.L. Shands	Feb., 1975
8. FINAL REVIEW BY		A. L. Shands	Feb., 1975
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		C. H. Bishop	Sept, 1975
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 SURVEY			
TP-00491 COMPILATION SOURCES					
1. COMPILATION PHOTOGRAPHY					
CAMERA(S) Wild RC-8 "E", RC-9 "M", RC-10 "C"		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR X (P) PANCHROMATIC (I) INFRARED X		TIME REFERENCE ZONE 5th MERIDIAN 75th	
TIDE STAGE REFERENCE SAVANNAH RIVER ENT. <input checked="" type="checkbox"/> PREDICTED TIDES Petit Chou Island <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
* 71E(C)8995 - 9005	11/4/71	13:20	1:30,000	1.0 ft. above MLW	
** 73C(CI)4482 - 4486	10/8/73	15:34	1:60,000	± 0.2 ft. of MHW	
** 74C(C)(I)9128 - 9132	4/7/74	15:43	1:60,000	± 0.2 ft. of MLW	
71 M (P) 744 - 748	11/4/71	12:05	1:60,000	3.6 ft. above MLW	
REMARKS *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 tide coordinated infrared photography, dated 8 Oct. 1973.					
3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:					
The mean low water line was compiled from the tide coordinated infrared photography, dated 7 Apr. 1974.					
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 PH-6407 T-12621	EAST No Survey	SOUTH TP-00492	WEST No Survey		
REMARKS					

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

TP-00491

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J.K. Wilson	Jan, 1966
2. HORIZONTAL CONTROL	RECOVERED BY R.S. Tibbetts	Jan, 1966
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY R.S. Tibbetts	Jan, 1966
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 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
65L 1907	PARSONS, 1932		
65L 1905	PETIT CHOU 3, 1932		
65L 1903	NEAL, 1925		
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: <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)

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	8/7/74
2. HORIZONTAL CONTROL	RECOVERED BY " " "	1973-1974
	ESTABLISHED BY " " "	1973-1974
	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
	IDENTIFIED BY	August 1973
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	N.A.

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
Pre-mark		N.A.	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details) Field Edit
71E (C)8998; 74C 8952; 71E (C)9001 (Black & White ratio); 71E (C)89994. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
Six Non-Floating Aids located by Field Survey Methods

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
N.A.	Tybee River Daybn 1 Wilmington River Cabbage Island Light 16 Wilmington River Light 17 Wilmington River Romerly Marsh Light 19	N.A.	Wilmington River Daybeacon 20 Wilmington River Light 22

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)

1-Form 76-40 Non-Floating Aids or Landmarks for Charts

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	May 1973	Class III Manuscript Superseded	Hold	7/9/73
Shoreline and alongshore details revised from 1973 color infrared photos	Apr 1974	Class III Manuscript Superseded		
Field edit applied Compilation complete	Nov. 1974	Class I Manuscript Superseded	3/18/75	
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
	1634-74	11/29/74	Six non-floating aids

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: Nov. 29, 1974
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
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL

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.

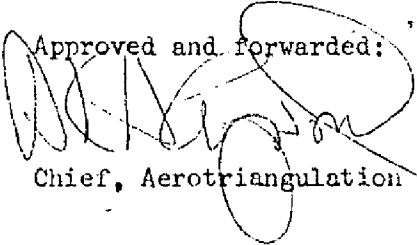
24. Supplemental Data

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

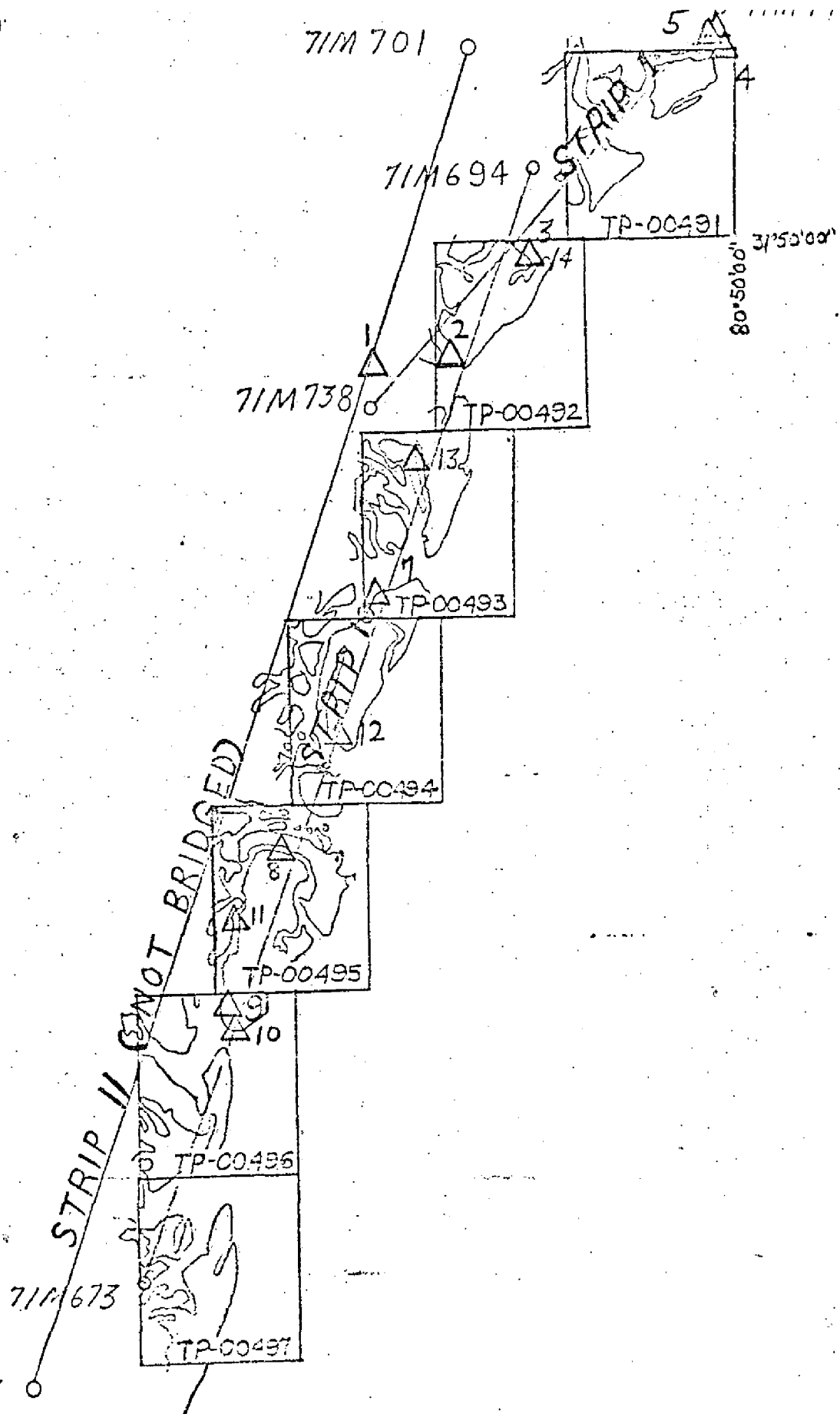
2.	OS 3, 1933, subpoint 1*	(-.79),	(-1.89)
3.	Land, 1913, subpoint A, panel	(-1.42),	(-.55)
7.	Coffin (USE), 1932, subpoint A, Panel	(+6.49),	(+4.39)
8.	Copper, 1932, subpoint A, panel	(-9.82),	(-6.69)
9.	McKinnon Airport Beacon, subpoint A, panel	(+4.76),	(+2.87)
10.	St. Simons Lighthouse, 1933*	(+1.23),	(+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

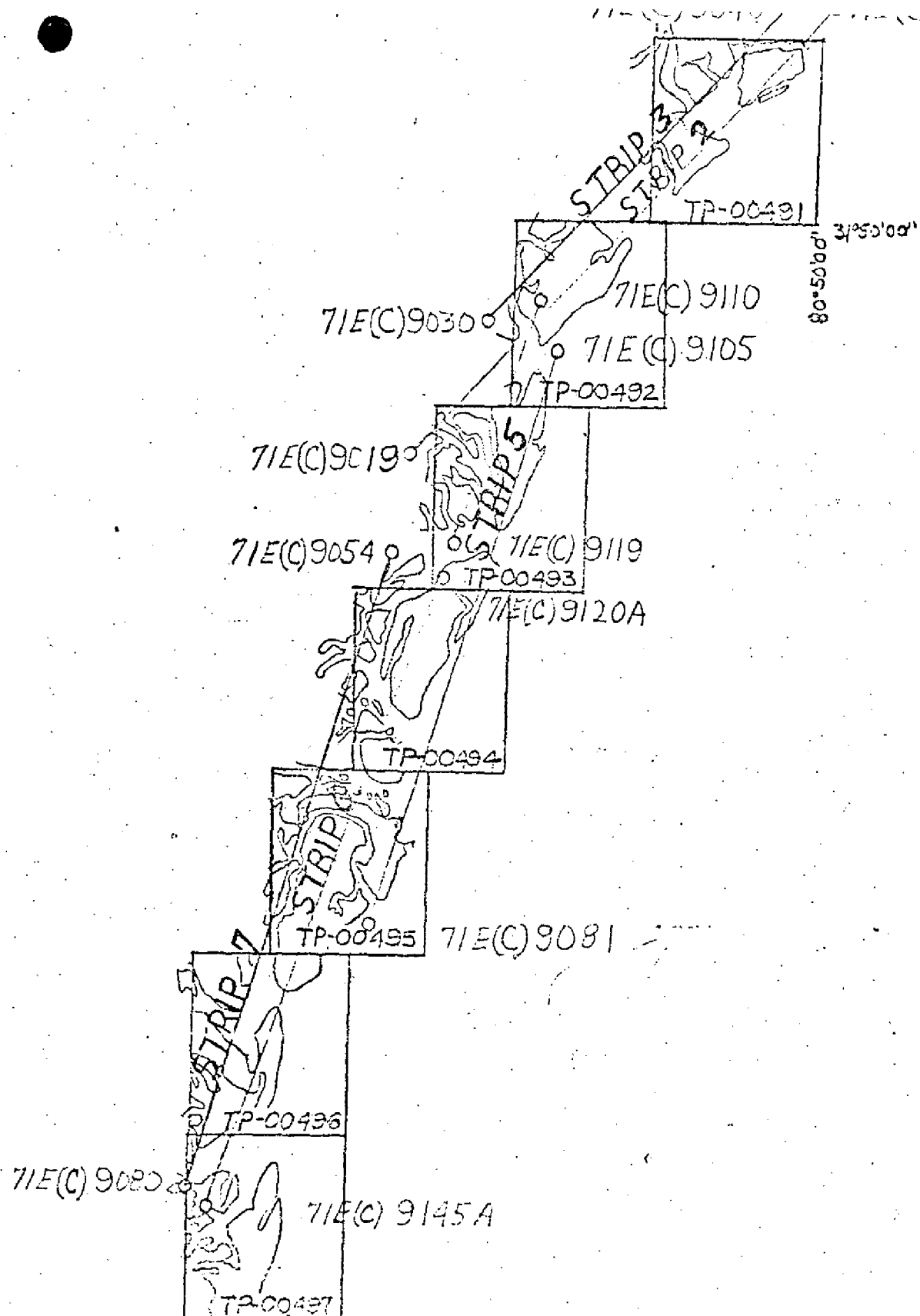
Notes to Compiler

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.	GEODETIC DATUM	ORIGINATING ACTIVITY		
TP-00491	CM-7205	N.A. 1927			
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE Georgia ZONE East	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
SOUTH END (U.S.E.), 1932	Quad. 310-804 1011		x=	φ 31° 59' 13.52696"	
			y=	λ 80° 51' 05.45266"	
PARSONS, 1932	Quad 310-804 1009		x=	φ 31° 55' 24.44100"	
			y=	λ 80° 58' 32.37700"	
PETIT CHOU 3, R.M. 2, 1932	Bridge Form 164 Pg. 4		x= 884,268.99	φ	
NEAL, 1925	Quad. 310-804 1008		y= 709,266.30	λ	
			x=	φ 31° 59' 21.48500"	
			y=	λ 80° 53' 16.65700"	
WILMINGTON ISLAND BLACK WATER TANK, 1933	Bridge Form 164 Pg. 9		x= 862,861.41	φ	
			y= 724,135.62	λ	
RED, WHITE AND BLUE TANK, 1925	Bridge Form 164 Pg. 9		x= 861,616.69	φ	
			y= 719,021.21	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
COMPUTED BY A.C. Rauck, Jr.		DATE 5/11/73	COMPUTATION CHECKED BY J. Desch		DATE 11/27/74
LISTED BY		DATE	LISTING CHECKED BY		DATE
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE

COMPILATION REPORT

TP-00491

31. DELINEATION

Delineation was by the Wild B-8 stereoplotter, using 1:30,000 scale color photography.

This is a SCOPE Project. Only the outer coast was compiled.

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 and by office interpretation of the photographs.

The mean high water line and mean low water lines were delineated from the tide coordinated photographs.

36. OFFSHORE DETAILS

Offshore details (sand bars) were compiled by office interpretation of the low water photography.

37. LANDMARKS AND AIDS

Copies of Form 76-40 for 6 non-floating aids to navigation and 0 landmarks were forwarded to the Rockville, MD office on Nov. 27, 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: SAVANNAH BEACH, SOUTH, GA. 1957, 1:24,000 scale; WASSAW SOUND, GA, 1957, scale 1:24,000; and RACCON KEY, GA, 1957, scale 1:24,000.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey charts: No. 573, 5th Ed., Aug. 21, 1971, scale 1:40,000; and No. 440, 37th Ed., Sept. 16, 1972, scale 1:40,000

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., Cart. Tech.
May 23, 1973

Approved:

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

ADDENDUM TO THE COMPILATION REPORT

TP-00491

FIELD EDIT

Field edit was adequate. The field editor used contact prints.

18 August 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00491

Atlantic Ocean

Beach Hammock

Little Tybee Creek

Little Tybee Island

Little Tybee Slough

Odingsell River

Ossabaw Sound

Pine Island

Savannah Beach

Tybee Creek

Tybee Inlet

Tybee Island

Wassaw Island

Wassaw Sound

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-00491			
1. PROJECTION AND GRIDS SSK	2. TITLE SSK	3. MANUSCRIPT NUMBERS NA	4. MANUSCRIPT SIZE SSK
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY SSK	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 NA	10. PHOTOGRAMMETRIC PLOT REPORT SSK	11. DETAIL POINTS SSK
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE SSK	13. LOW-WATER LINE SSK	14. ROCKS, SHOALS, ETC. NA	15. BRIDGES NA
16. AIDS TO NAVIGATION SSK	17. LANDMARKS NA	18. OTHER ALONGSHORE PHYSICAL FEATURES SSK	19. OTHER ALONGSHORE CULTURAL FEATURES NA
PHYSICAL FEATURES			
20. WATER FEATURES SSK	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 SSK	28. BUILDINGS SSK	29. RAILROADS NA	30. OTHER CULTURAL FEATURES NA
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES SSK	34. JUNCTIONS SSK		35. LEGIBILITY OF THE MANUSCRIPT SSK
36. DISCREPANCY OVERLAY SSK	37. DESCRIPTIVE REPORT SSK	38. FIELD INSPECTION PHOTOGRAPHS SSK	39. FORMS SSK
40. REVIEWER <i>Charles W. Bishop</i> for Susan Kumer 6/28/73		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 <i>Frank Margiotta</i> Frank Margiotta Reviewed by: A.L. Shands Nov. 1974 Feb. 1975		SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
43. REMARKS Field edit applied from - Field edit ozalid, Form 76-40 71E 8999 - 8998 - 9001 74C(C)(I) 8952			

FIELD EDIT REPORT
SAVANNAH TO ST. MARYS ENT., GA.
JOB CM-7205
MAP TP-00491

52. Adequacy of Compilation

Compilation was adequate.. The MHWL was accepted as compiled per instructions received from the Chief, Coastal Mapping Division dated May 28, 1974. Several minor shoreline changes were noted and indicated on the field edit ozalid with cross-reference made to the proper photograph. New photography was flown of this area in 1974..

54. Recommendations

None.

55. Examination of Proof Copy

Geographic Names

No investigation of geographic names was requested or made.

56. Landmarks and Non-Floating Aids for Navigation

There are no landmarks within the limits of this map. There are six fixed aids to navigation on this sheet. Three of them were requested on the discrepancy overlay and the other three were located for the hydrographic party. All were located by field methods, indicated on the field edit ozalid, and entered on form 76-40 which is included with this report.

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

Richard E. Kesselring
Richard E. Kesselring
Surveying Technician
Photo Party 62

original sent to charts

NOAA FORM 76-40 (8-74)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				FOR CHARTS				ORIGINATING ACTIVITY	
Replaces CGS Form 567.		NONFLOATING AIDS		STATE		LOCALITY		DATE		<input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> PHOTO FIELD PARTY <input checked="" type="checkbox"/> COMPILATION ACTIVITY <input type="checkbox"/> FINAL REVIEWER <input type="checkbox"/> QUALITY CONTROL & REVIEW GRP. <input type="checkbox"/> COAST PILOT BRANCH	
<input checked="" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED		REPORTING UNIT (Field Party, Ship or Office) Coastal Mapping Div Norfolk, VA		Georgia		Savannah to St. Mary's Entrance		Nov 1971			
OPR PROJECT NO. 436		JOB NUMBER CM 7205		SURVEY NUMBER TP-00491		DATUM NA, 1927		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED	
The following objects HAVE <input checked="" type="checkbox"/> BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.		DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)		POSITION		LONGITUDE		OFFICE		FIELD	
CHARTING NAME		LATITUDE		LONGITUDE		D.P. Meters		OFFICE		FIELD	
		° / ' "		° / ' "		D.P. Meters					
DAY BEACON	Tybee River Daybeacon 1	31 55	42.23	80 55	19.74	519.			Verified		1241
LIGHT	Cabbage Island Spit Light 16	31 55	08.14	80 56	44.89	1179.		71E(C)9000 11/4/71	F-3-6-L 8/1/73		440
LIGHT	Wassaw Island Light 17	31 55	09.39	80 57	51.95	1365.			F-3-6-L 8/1/73		1241
LIGHT	Romerly Marsh Light 19	31 55	57.87	80 58	35.70	938.			F-3-6-L 8/1/73		440
DAY BEACON	Cabbage Island Daybeacon 20	31 56	05.74	80 58	16.41	431.			F-3-6-L 8/1/73		1241
LIGHT	Cabbage Island Light 22	31 56	56.26	80 59	20.74	545.			F-3-6-L 8/1/73		440

REVIEW REPORT TP-00491

SHORELINE

September 23, 1975

61. GENERAL STATEMENT:

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

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Survey T-5113, 1:20,000 scale compiled from photography of June 1933. Significant differences are shown in blue on the comparison print.

In the area compared, TP-00491 supersedes T-5113 for nautical chart construction purposes. T-5113 is the latest registered prior survey of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparisons were made with the following 1:24,000 scale U.S.G.S. Quadrangles, all dated 1957:

SAVANNAH BEACH SOUTH, GA

WASSAW SOUND, GA

RACCOON KEY, GA

Significant differences are shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with copies of the field sheets for Surveys H-9460 (WH-20-1-74) and H-9461 (WH-20-2-74). The only areas compared were the entrance to Wassaw Sound and the south end of Wassaw Island. No significant differences were noted.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparisons were made with Charts 11511, 1:40,000 scale, 7th edition dated March 22, 1975 and 11512, 1:40,000 scale, 40th edition

dated June 14, 1975. No significant differences were noted.

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.

Reviewed by

Charles H. Bishop

Charles H. Bishop
Cartographer
September 23, 1975

Approved for forwarding:

Victor E. Serena

Victor E. Serena
Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

X=910,000 FT.

80°50'00"

32°00'00"

51'

TYBEE ISLAND

Tybee Creek

Beach

47310

Savannah

Sew Line

Grains

SOUTH END (USE) 193

Tybee Inlet

Marsh

Sand

Area subject to frequent change

Shallow

Pr ruins

Sand

Shallow

(Shallow)

59'

Y=720,000 FT.

58'

COMPARISON PRINT

Blue = T-5113

Brown = USGS

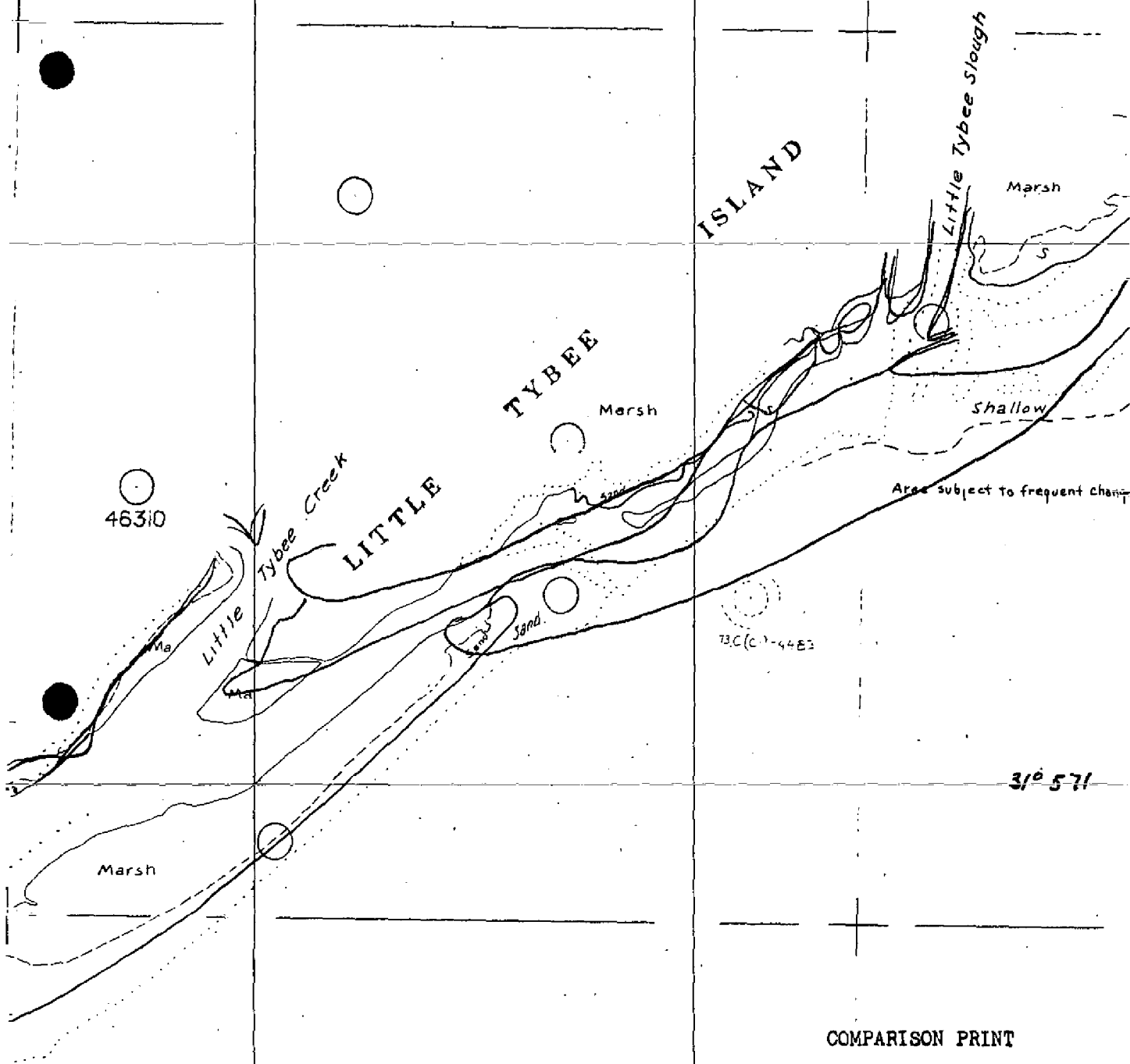
TP-00491

1:20,000

80° 54' 45901

80° 53'

23



COMPARISON PRINT

Blue = T-5113

Brown = USGS

TP-00491

1:20,000

80° 56'

24

31° 58'

COMPARISON PRINT

Blue = T-5113

Brown = USGS

9990i

4490i

TP-00491

1:20,000

43903

Marsh

PETIT CHOU-3
RM 2 1932

Sand

Sand

Sand

Area subject to frequent change

31° 56'

W A S S A W

3

80° 57'

25

45510

Marsh

S

Marsh

Dead Trees

Area subject
change

31° 54'

Dead Trees

31° 55'

I S L A N D

716 (2)
4423

Sand

COMPARISON PRINT

Blue = T-5113

Brown = USGS

TP-00491

1:20,000

26 S

W A S

Marsh
Pine Island
Pond
Marsh

Odingsell River

52'

00 FT.

O
S
S
A
B
A

Sand

51'

Area subject to frequent change

73 (100)
74 86

S
O
D

N
D

COMPARISON PRINT

Blue = T-5113
Brown = USGS
Red = Chart 1151

TP-00491
1:20,000

00 FT.

51°50'00"

81°01'00"

81°00'00"

59'

X=860,000 FT.