

TP- 00495

TP- 00495

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-00495

Classification No. Edition No. 1

Field Edited Map

LOCALITY

State Georgia

Savannah to

General Locality St. Marys Entrance

Locality Hampton River

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.		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY TP. <u>00495</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB <u>PH</u> <u>CM-7205</u>	
DESCRIPTIVE REPORT - DATA RECORD				LAST PRECEDING MAP EDITION TYPE OF SURVEY <input 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.				JOB <u>PH</u> 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							
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Coradomat</u> CHECKED BY							
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: <u>Wild B-8</u> CONTOURS BY SCALE: <u>1:15,000</u> CHECKED BY				<u>S. Kumer</u> <u>R.R. White</u> <u>NA</u> <u>NA</u>		<u>July, 1973</u> <u>July, 1973</u> 	
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: CONTOURS BY CHECKED BY SCALE: <u>1:20,000</u> HYDRO SUPPORT DATA BY CHECKED BY				<u>Charles Parker</u> <u>R.R. White</u> <u>NA</u> <u>NA</u> <u>NA</u> <u>NA</u>		<u>July, 1973</u> <u>July, 1973</u> 	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				<u>R.R. White</u>		<u>July, 1973</u>	
6. APPLICATION OF FIELD EDIT DATA BY				<u>J. Desch</u>		<u>Feb., 1975</u>	
7. COMPILATION SECTION REVIEW BY				<u>A.L. Shands</u>		<u>Feb., 1975</u>	
8. FINAL REVIEW BY				<u>A. L. Shands</u>		<u>Feb. 1975</u>	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				<u>C.H. Bishop</u>		<u>Oct., 1975</u>	
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-00495
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 5th	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES Hampton River Ent.		(P) PANCHROMATIC X		MERIDIAN 75th	<input type="checkbox"/> DAYLIGHT
<input type="checkbox"/> REFERENCE STATION RECORDS		(I) INFRARED X			
<input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY					

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
* 71E(C) 9081 - 9088	11/4/71	14:28	1:30,000	+ 0.2 ft. of MLW
* 71E(C) 9134A - 9136A	11/4/71	15:05	1:30,000	- 0.4 ft. below MLW
** 73C(C)(I)4260 - 4263	9/30/73	11:47	1:60,000	+ 0.2 ft. of MHW
** 73C(C)(I)4504	10/8/73	15:47	1:60,000	+ 0.2 ft. of MHW
** 74C(C)(I)8999 - 9002	4/6/74	15:30	1:60,000	+ 0.2 ft. of MLW
71 M(P) 678 - 682 (Bridging)	11/4/71	10:39	1:60,000	7.3 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 tide coordinated infrared photography dated Sept. 30 and Oct. 8, 1973.

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

The mean low water line was compiled from tide coordinated infrared photography dated April 6, 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	EAST	SOUTH	WEST
TP-00494	No Survey	TP-00496	No Survey

REMARKS

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

TP-00495

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 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
71M - 681	COOPER, 1932		
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 Card			

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	Aug. 1974
2. HORIZONTAL CONTROL	RECOVERED BY " " "	" " "
	ESTABLISHED BY " " "	" " "
	PRE-MARKED OR IDENTIFIED BY	
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	8/30/74
	IDENTIFIED BY Compilation	Nov. 1971
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	N.A.
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N.A.

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED Pre-Mark
None on this map2. VERTICAL CONTROL IDENTIFIED
N.A.

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details) Field Edit
71E(C) 9082; 71E(C) 9085; 71E(C) 9086; 71E(C) 9087; 74C 90004. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED (located by field methods)
Altamaha Sound Range "A" Front & Rear Lights; Altamaha Sound Light 198
"TANK" by compiling activity - verified 8/29/74

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)

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

NOAA FORM 76-36D
(3-72)

TP-00495

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

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	7/ /73	Class III Manuscript Superseded	Hold	8/1/73
Field edit applied Compilation complete	2/ /75	Class I Manuscript Superseded	3/18/75	
Final Review	10/ /75	Final		

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
3		3/19/75	Aids for Charting
1		3/19/75	Ldmk for Charting
1		3/19/75	Ldmk for Deletion

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 3/19/753. ☐ 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	

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.

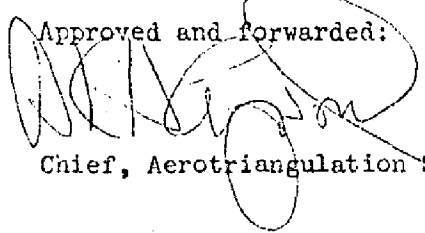
24. Supplemental Data

No supplemental data used.

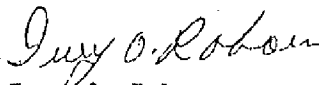
25. Photography

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

Approved and forwarded:


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

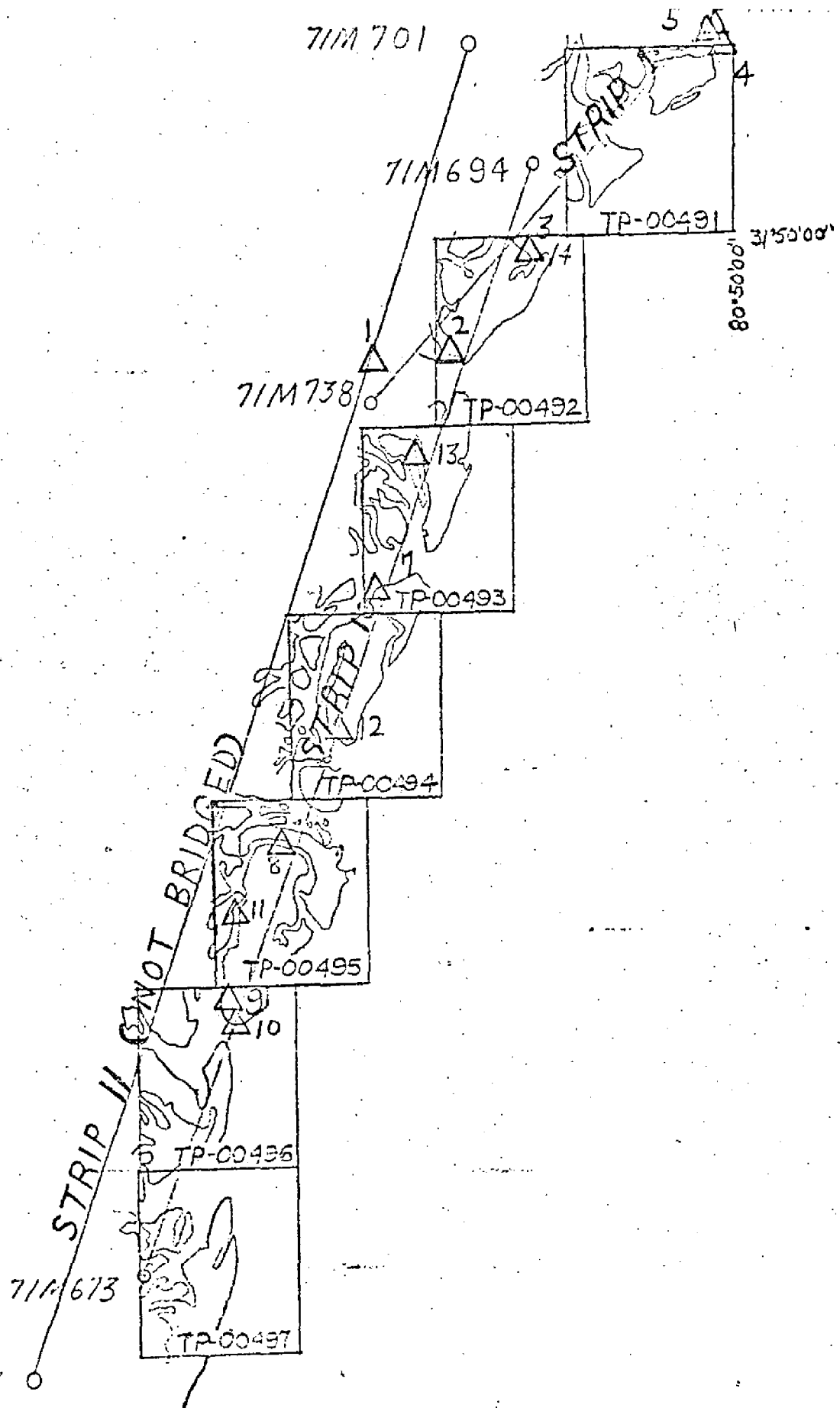
2.	OS 3, 1933, subpoint 1*	(-.79),	(-1.89)
3.	Land, 1913, subpoint A, panel	(-1.42),	(-.55)
7.	Coffin (USE), 1932, subpoint A, Panel	(+6.49),	(+4.39)
8.	Copper, 1932, subpoint A, panel	(-9.82),	(-6.69)
9.	McKinnon Airport Beacon, subpoint A, panel	(+4.76),	(+2.87)
10.	St. Simons Lighthouse, 1933*	(+1.23),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

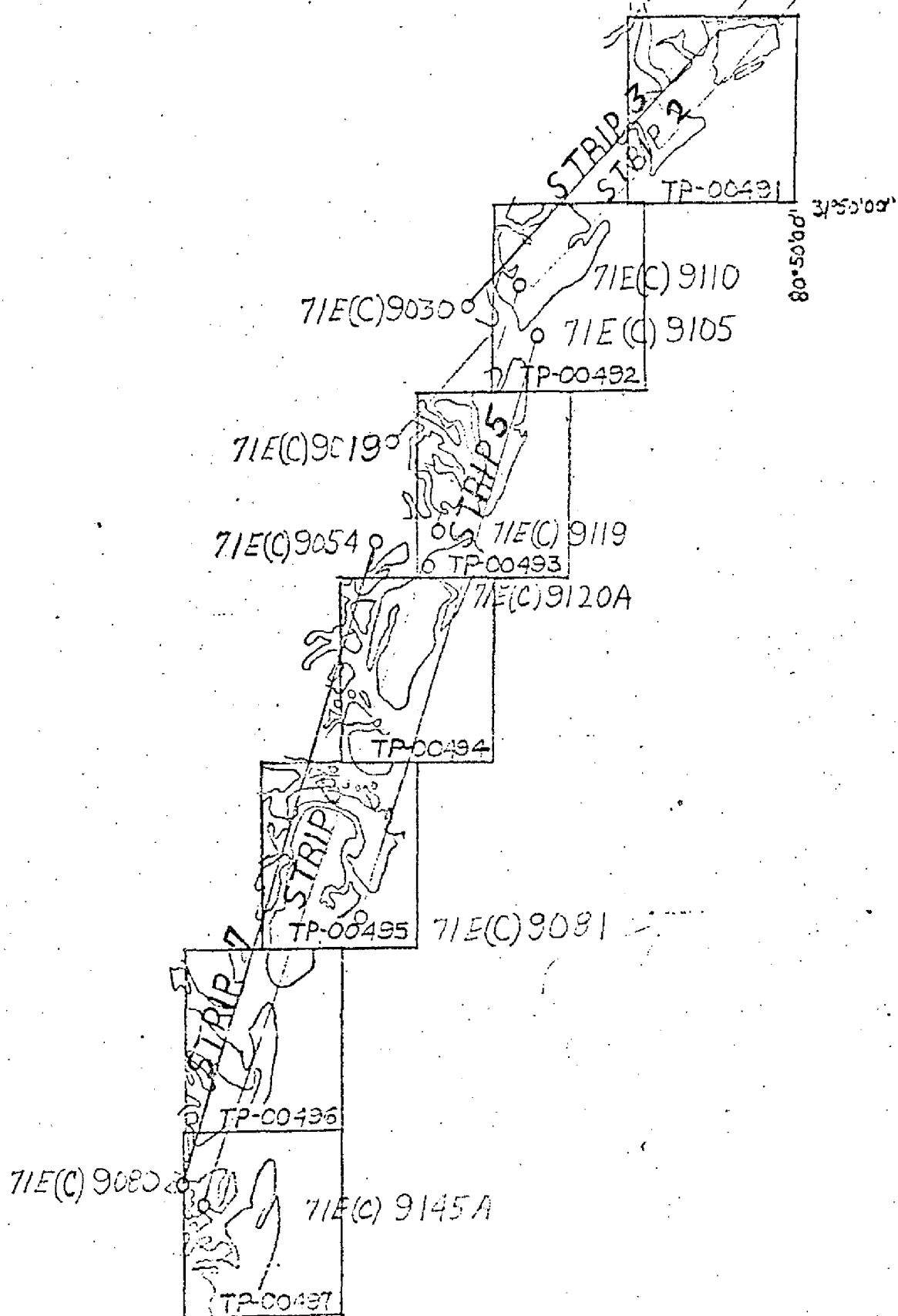
Notes to Compiler

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

COMPILATION REPORT

TP-00495

31. DELINEATION

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

The photo coverage was adequate. There was no field inspection prior to compilation.

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 was delineated graphically from tide coordinated infrared photography.

36. OFFSHORE DETAILS

Offshore details (mean low water and shoal lines) were delineated graphically from office interpretation of tide coordinated infrared photography.

37. LANDMARKS AND AIDS

Copies of Form 76-40 for 3 non-floating aids to navigation, 1 landmark for charting and 1 landmark for deletion were forwarded to

the Rockville, MD office on March 18, 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: SEA ISLAND, GA, dated 1955; scale 1:24,000; ALTAMAHA SOUND, GA, dated 1954, scale 1:24,000.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey charts: #1242, 11th Ed., Jan. 20, 1973; scale 1:80,000; 575, 14th Ed., Sept. 16, 1972, scale 1:40,000; 839-SC, 9 Ed., Aug. 1972, scale 1:40,000.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

CHARLES PARKER
Charles Parker, Carto. Aid, 7/18/73

Approved:

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

ADDENDUM TO THE COMPILATION REPORT

TP-00495

FIELD EDIT

1. Field edit was complete - all questions asked were answered -

a) but edit on the photographs concerning elevations of offshore areas conflicted with information listed on the field edit ozalid - particularly at Pelican Spit and area offshore from Little St. Simon's Island at $31^{\circ} 15' 30''$, $81^{\circ} 16' 15''$. In the latter case the latter dated field edit was applied; at Pelican Spit, elevations were not added because of the changeable nature of the area and the conflicting field edit notes.

b) detail in the Altamaha Sound - Egg Island area was good, but elevation data for most of the oyster bars there was not included in the field edit.

c) the marshy pond and second dike described in the edit at the northern end of Little St. Simon's Island were deleted by the compiler because their application involved the delineation of too much inshore detail unnecessary to the project.

d) the islet described at approximately $31^{\circ} 16' 00''$, $81^{\circ} 16' 30''$ (71 E 9085) could not be found by the compiler on either low water or high water photographs and so was not added to the manuscript.

2. The high and low water lines were re-compiled from 1973 - 1974 photography (scale was poor).

3. The field editor submitted a 76-40 deletion form for 2 LDMK stack shown on the manuscript (lat. $31^{\circ} 10.8'$, long. $81^{\circ} 27.0'$). However, this object has never been charted. The form was not forwarded.

18 August 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00495

Altamaha Sound

Atlantic Ocean

Egg Island

Hampton River

Little Egg Island

Little St. Simons Island

Mosquito Creek

Pelican Spit

Sea Island (island)

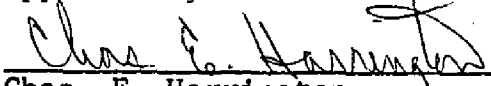
Sea Island (locality)

Sea Island Beach

Wolf Island

Wolf Island National Wildlife Refuge

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-00495

1. PROJECTION AND GRIDS RRW	2. TITLE RRW	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY RRW	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. RRW	15. BRIDGES
16. AIDS TO NAVIGATION RRW	17. LANDMARKS RRW	18. OTHER ALONGSHORE PHYSICAL FEATURES RRW	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 July 23, 1973		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.			
COMPILER J. Desch <i>J. Desch</i> Feb. 13, 1975		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; field contact prints 71 E 9082, 9085, 9086, 9087, 74 C 9000			

FIELD EDIT REPORT
SAVANNAH TO ST. MARYS ENT., GA.
JOB CM-7205
MAP TP-00495

52. Adequacy of Compilation

Compilation was adequate except in the area of Sea Island where it is felt that the main road and the larger buildings near the beach should have been compiled. The MHWL was accepted as compiled according to instructions received from the Chief, Coastal Mapping Division dated May 28, 1974. Two "islets" were mapped as "shoals" near Egg Island and several "oyster bars" were overlooked in the same area. The "rocks awash" mapped at lat. $31^{\circ} 17.6'$, long. $81^{\circ} 17.5'$ and lat. $31^{\circ} 17.4'$, long. $81^{\circ} 17.3'$ are actually "oyster bars". The more southerly "oyster bar" is, in actuality, part of the foreshore and should be mapped as "oysters in the foreshore". The foregoing were indicated on the field edit ozalid and cross-referenced to the appropriate photograph. There is no "bldg. in ruins" at lat. $31^{\circ} 18.1'$, long. $81^{\circ} 17.4'$. There is, however, an old cattle holding pen in this area. It is of no significance and should not be mapped. The "bldg. in ruins" was deleted from the manuscript. A "stream" at lat. $31^{\circ} 17.6'$, long. $81^{\circ} 17.6'$ was compiled erroneously. The "stream" actually drains in the opposite direction and empties on the westerly side of Egg Island instead of the southwesterly side as mapped. The error was indicated on the field edit ozalid and the stream delineated on the appropriate photograph. One area, at lat. $31^{\circ} 16.0'$, long. $81^{\circ} 16.5'$, was compiled as MHWL. This area covers at mean high water, but is bare at mean low water. The MHWL was deleted from the field edit ozalid. The entire shoreline and alongshore area of this map from Egg Island to Sea Island is subject to almost continual change. The breakers and shoals compiled were, therefore, accepted as compiled except where significant deviations were noted. The area covered by this map was re-photographed in April of 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

There is only one landmark within the compiled limits of this map. It was originated by the compiling activity and verified by the field editor. It was entered on form 76-40 which is included with this report. A "stack" on Sea Island is not of value as a landmark and was deleted on form 76-40. That form is also included with this report.

Three fixed aids to navigation are within the compiled limits of this sheet. They were located by field survey methods and entered on form 76-40 which is included with this report.

57. Rocks, Reefs, and Shoals


There are no rocks or reefs, as defined within the compiled limits of this map. Several "oyster bars" were discussed under side heading 52 above. There are numerous shoals and breakers on this map. They were adequately compiled. Areas that bare at MHW or MLW were indicated on the field edit ozalid with times and heights and cross-referenced to the proper photograph.

58. Photography

Photography consisted of 1:30,000 color contact prints and 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
Surveying Technician
Photo Party 62

[illegible]

[illegible]

[illegible]

REVIEW REPORT TP-00495

SHORELINE

October 9, 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:

A comparison was made with T-9967 (N) & (S) and T-9956 (N) & (S). These maps are 1:10,000 scale and were mapped from 1951-1952 photography. They were field edited in 1954. Significant differences are shown in blue on the comparison print.

In the area compared, TP-00495 supersedes T-9967 (N) & (S) and T-9956 (N) & (S) for nautical chart construction purposes. T-9967 (N) & (S) and T-9956 (N) & (S) are the latest registered prior surveys of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with USGS Quadrangles ALTAMAHA SOUND, GA, 1:24,000 scale, dated 1954 and SEA ISLAND, GA, 1:24,000 scale, dated 1955. Significant differences are shown in brown on the comparison print.

In much of the area, where the brown line (USGS difference) coincides with the blue line (registered topographic survey difference), only the blue line is shown.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No contemporary hydrographic surveys were available for comparison.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 575, 1:40,000 scale, 14th edition, dated Sept. 16, 1972 and Chart 11506, 1:40,000 scale, 27th edition, dated June 14, 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 for Map Accuracy.

Submitted by:

Charles H. Bishop

Charles H. Bishop
Cartographer
October 9, 1975

Approved for forwarding:

Victor E. Serena

Victor E. Serena
Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

x=770,000 FT.

x=780,000 FT.

18'

81°17'

Marsh

WOLF ISLAND

WOLF ISLAND
NATIONAL WILDLIFE REFUGE

Marsh

sand

sand

TAMAHUA SOUND
ENGINE REAR LIGHT ATAMAHUA SOUND
ENGINE FRONT LIGHT A

ALTAMAHUA

SOUND

19'

Little Egg Island

Oyster bar (3)

Oyster bar

sand

Marsh

Oyster bar

Oys

Oys

Oys

sand

F ISLAND
WILDLIFE REFUGE

Egg

Marsh

Island

Stream

Marsh

Oyster bar (5)

Area subject to
frequent change

31°18'

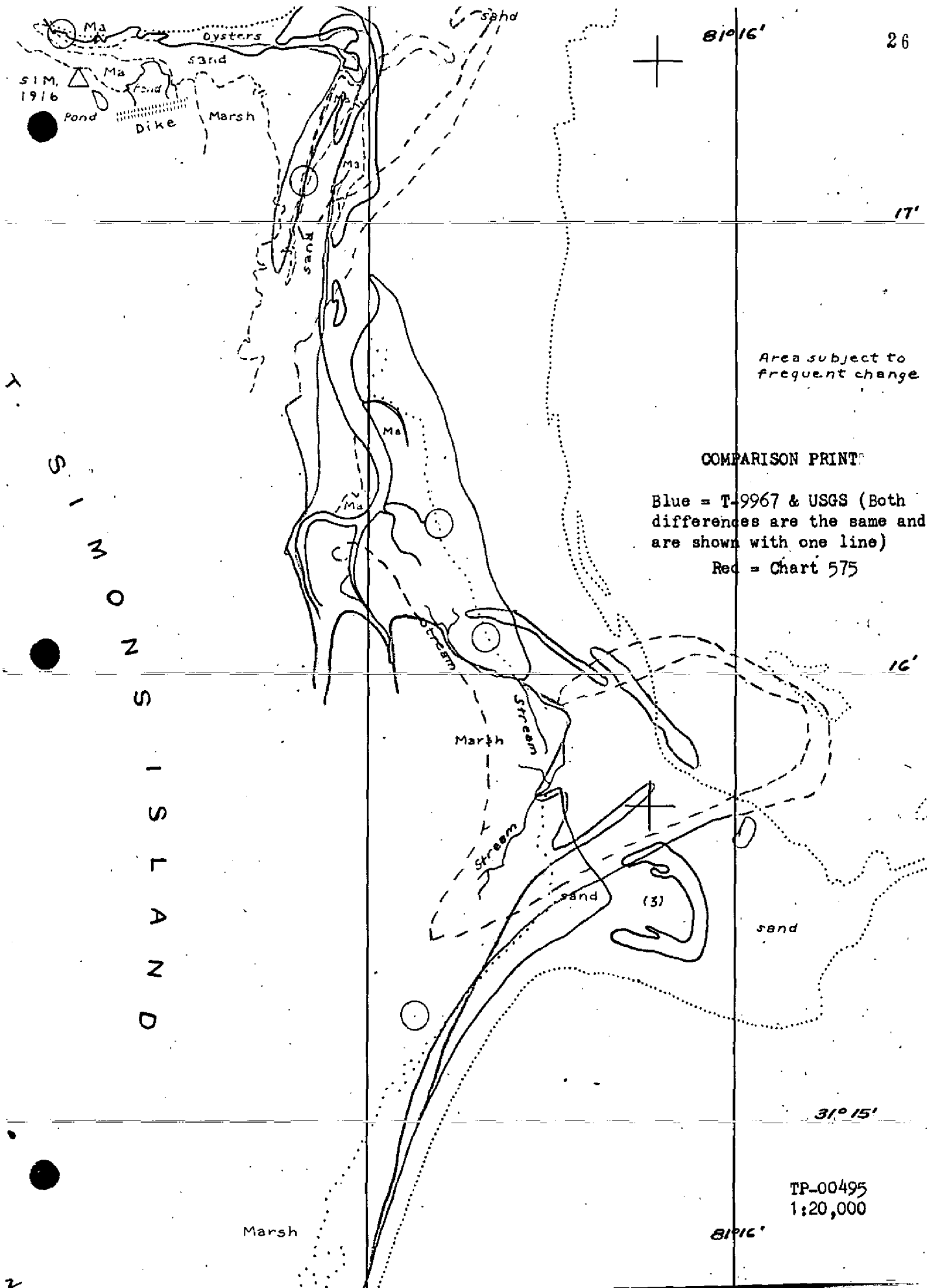
COMPARISON PRINT

Blue = T-9967 & USGS (Both
differences are the same and
are shown with one line)

Red = Chart 575

TP-00495

1:20,000



81°16'

26

17'

Area subject to frequent change

COMPARISON PRINT

Blue = T-9967 & USGS (Both differences are the same and are shown with one line)

Red = Chart 575

16'

31°15'

TP-00495
1:20,000

81°16'

S
I
M
M
O
N
S
I
S
L
A
N
D

81° 18'

27

Mosquito Creek

stream

14'

Marsh

stream

RIVER

sand

sand

31° 13'

HAMPTON,
1932

sand

Awash at MHH

sand

Pelican Spit

COMPARISON PRINT

Blue = T-9956 (N)

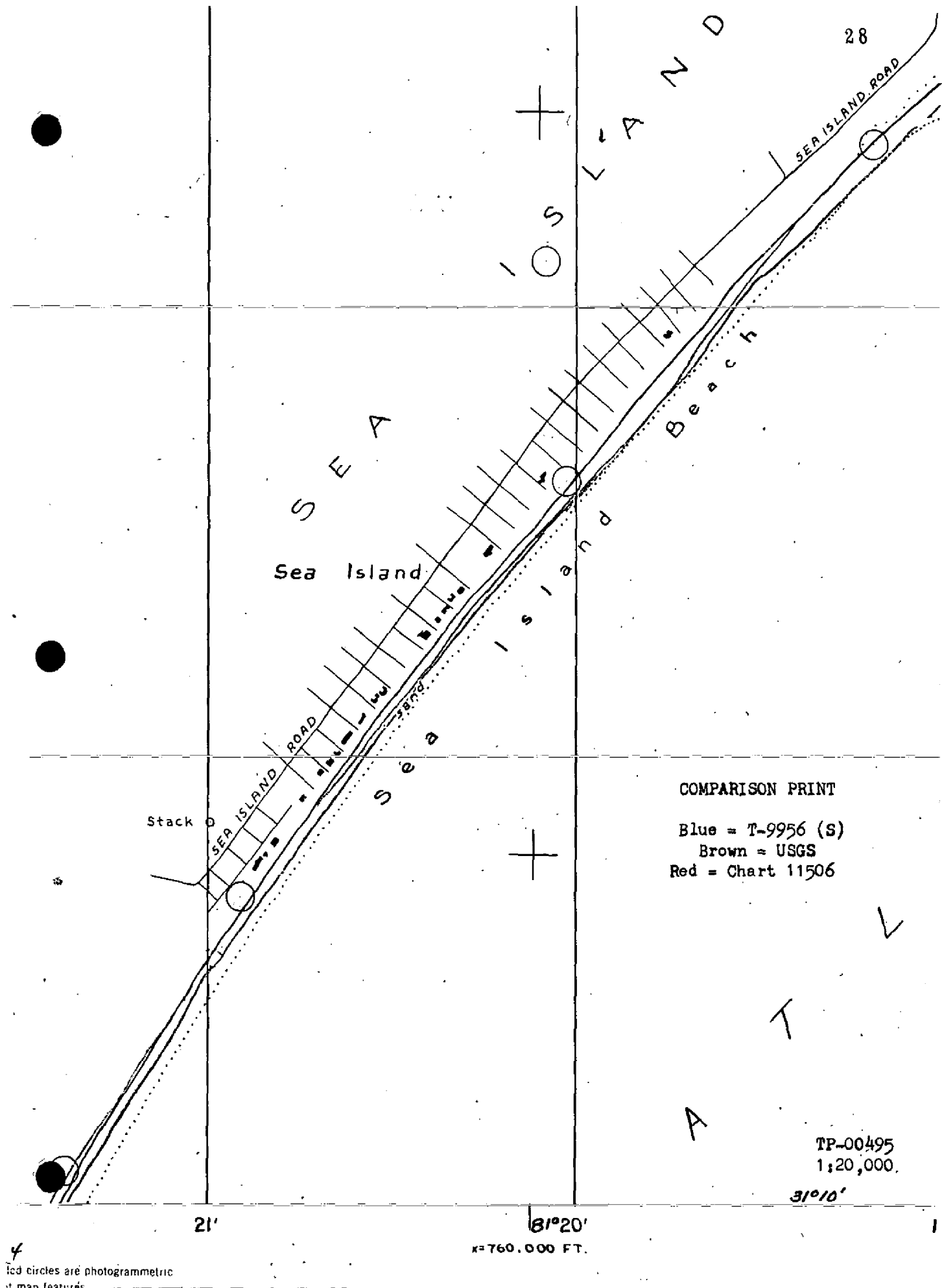
Brown = USGS

Red = Charts 575 & 11506

Area subject to
frequent change

12'

TP-00495
1:20,000



COMPARISON PRINT

Blue = T-9956 (S)
Brown = USGS
Red = Chart 11506

TP-00495
1:20,000

31°10'

21'

81°20'

760,000 FT.

4
Red circles are photogrammetric
of man features.