

TP- 00493

TP- 00493

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-00493
Classification No. Edition No. 1
Field Edited Map

LOCALITY

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

1971 TO 1974

REGISTRY IN ARCHIVES

DATE 12 FEB 1975

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>00493</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB <u>RM-CM-7205</u>	
OFFICER-IN-CHARGE Jeffrey G. Carlen, Cdr.		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
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. Rayborn	May, 1973
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Coradomat</u> CHECKED BY		E. Allen	Mar., 1973
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		C. Parker	June, 1973
METHOD: <u>Wild B-8 and Graphic</u> CONTOURS BY CHECKED BY		S. Kumer	June, 1973
SCALE: <u>1:20,000</u> HYDRO SUPPORT DATA BY CHECKED BY		NA	NA
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		Susan Kumer	June, 1973
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY		J. Desch	Jan., 1975
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	Oct. 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-00493

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 X (I) INFRARED X		TIME REFERENCE	
TIDE STAGE REFERENCE SAVANNAH RIVER ENT. <input checked="" type="checkbox"/> PREDICTED TIDES Blackbeard Island <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE 5th	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 75th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
* 71E(C) 9096 - 9103	11/4/71	14:32	1:30,000	± 0.2 ft. of MLW	
** 73C(C)(I)4497 - 4500	10/8/73	15:47	1:60,000	± 0.2 ft. of MHW	
** 74C(C)(I)9006 - 9009	4/6/74	15:30	1:60,000	± 0.2 ft. of MLW	
71M(P) 686 - 690 (Bridging)	11/4/71	10:45	1:60,000	7.6 ft. above MLW	

REMARKS

*Compilation photos.

**Tide coordinated photos.

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from tide coordinated infrared photography taken in October 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 taken in April 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-00492	No Survey	TP-00494	No Survey

REMARKS

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

TP-00493

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	
	LOCATED (Field Methods) BY	
	IDENTIFIED BY	
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-686	COFFIN (USE), 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)			

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 " " "	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	Aug. 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	

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 notes
71E(C) 9097; 71E(C) 9098; 71E(C) 9100; 71E(C) 9101; 74C 9006R4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
No landmarks. Located by field survey methods: Sapelo Sound Light 140,142,
Daybn 140A, Daybn 11 and South Newport River Daybn 136.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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

7. SUPPLEMENTAL MAPS AND PLANS

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

2-Form 76-40 Landmarks and Non-Floating Aids for Charts

1-Form 76-53 & Position of a piling in Sapelo Sound

NOAA FORM 76-36D
(3-72)TP-00493
RECORD OF SURVEY USEU. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	6/ /73	Class III Manuscript Superseded	Hold	7/9/73
Field edit applied Compilation complete	1/ /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
5		3/19/75	Aids for charting
1		3/19/75	Aid 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: _____

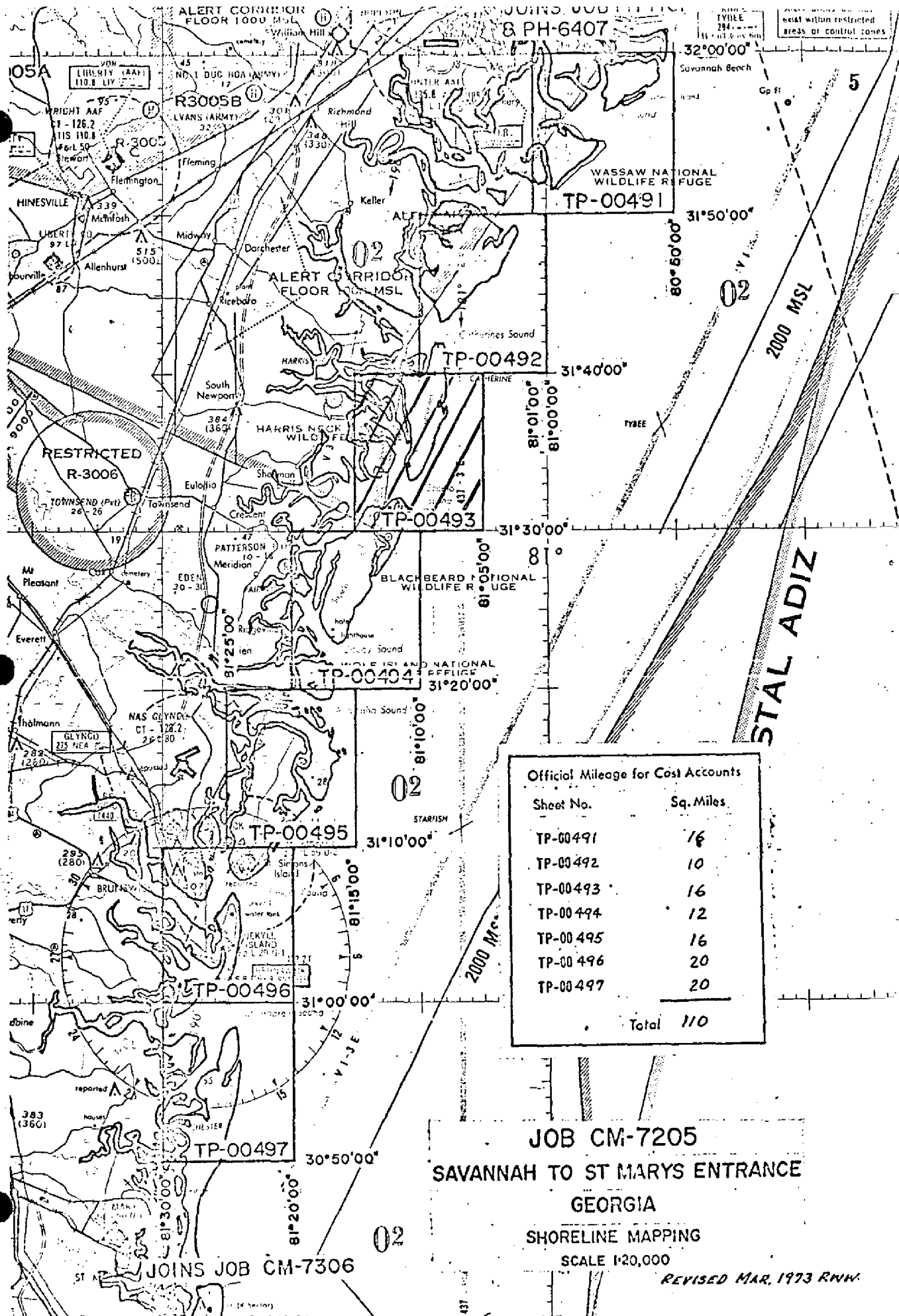
III. FEDERAL RECORDS CENTER DATA

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	



Official Mileage for Cost Accounts

Sheet No.	Sq. Miles.
TP-00491	16
TP-00492	10
TP-00493	16
TP-00494	12
TP-00495	16
TP-00496	20
TP-00497	20
Total	110

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

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.

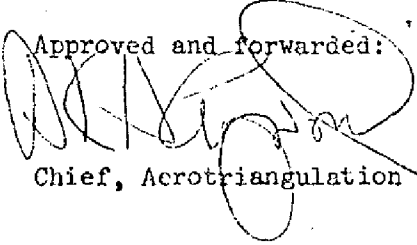
24. Supplemental Data

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

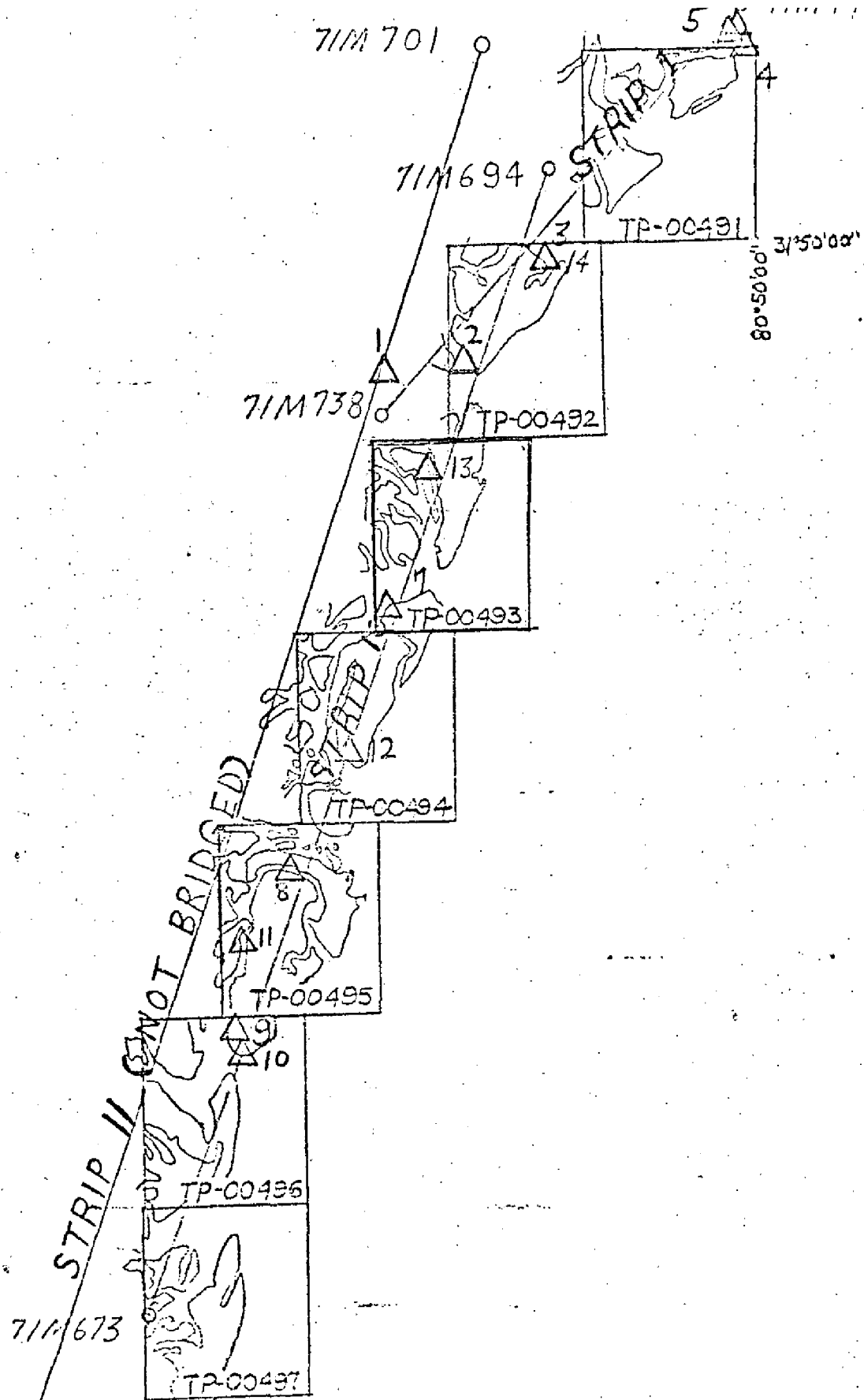
2.	OS 3, 1933, subpoint 1*	(-.79),	(-1.89)
3.	Land, 1913, subpoint A, panel	(-1.42),	(-.55)
7.	Coffin (USE), 1932, subpoint A, Panel	(+6.49),	(+4.39)
8.	Copper, 1932, subpoint A, panel	(-9.82),	(-6.69)
9.	McKinnon Airport Beacon, subpoint A, panel	(+4.76),	(+2.87)
10.	St. Simons Lighthouse, 1933*	(+1.23),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

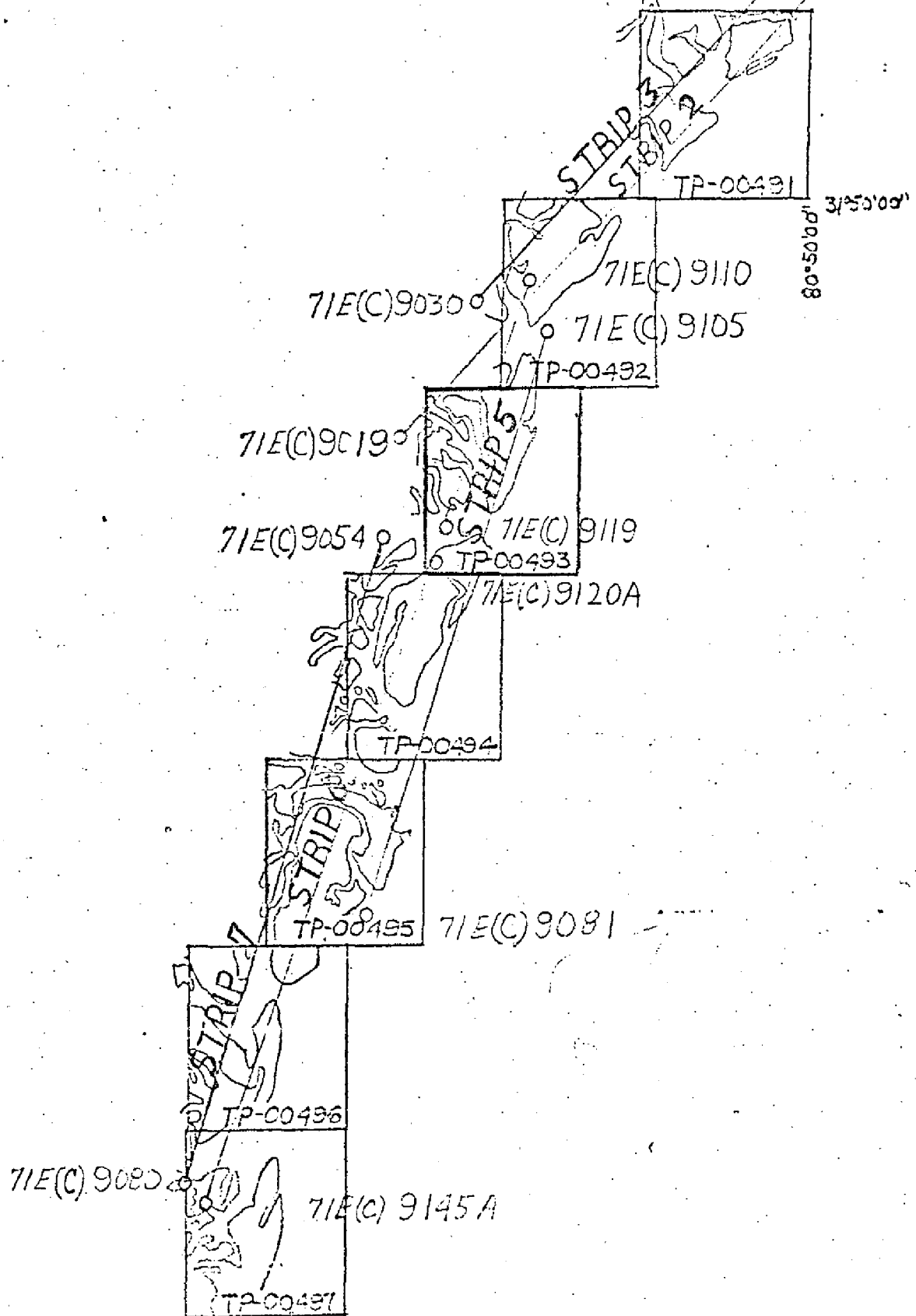
Notes to Compiler

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-00493

31. DELINEATION

Delineation was by the Wild B-8 stereoplotter.

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 from the photographs.

36. OFFSHORE DETAILS

None compiled.

37. LANDMARKS AND AIDS

Copies of Form 76-40 for 5 non-floating aids to navigation and 1 landmarks 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 Quadrangle: SAPELO SOUND GEORGIA, dated: 1954, scale: 1:24,000, 7.5 minute series (Topographic)
ST. CATHERINES SOUND, GEORGIA, dated: 1954, scale 1:24,000, 7.5 minute series (Topographic).

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey chart: TYBEE ISLAND TO DOBOY SOUND #1241 9th edition, April 27, 1972, scale 1:80,000. SAPELO and DOBOY SOUND #574, 7th edition, October 21, 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
June 26, 1973

Approved:

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

ADDENDUM TO THE COMPILATION REPORT

TP-00493

FIELD EDIT

Field edit was adequate except for missing photograph 74C 9006 R on which breaker limits were delineated or verified. Original breaker limits were left on manuscript for hydrographic investigation. Charted wreck at approximately $31^{\circ} 33' 30''$, $81^{\circ} 09' 45''$ could not be seen by field editor, who referred investigation to hydrographer.

18 August 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00493

Atlantic Ocean

Beach Hammock

Blackbeard Island

Blackbeard Island National Wildlife Refuge

Black Hammock

Fish Creek

McQueen Hammock

McQueen Inlet

Middle Beach

North Beach

Northeast Point

St. Catherines Island

South Beach

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-00493			
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 NA	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 SSK
CULTURAL FEATURES			
27. ROADS NA	28. BUILDINGS NA	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 A. Bishop</i> Susan Kumer June 27, 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 <i>J. Desch</i> Jan. 31, 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 71E(C)9097, 9100, 9101, 9103, 9104			

FIELD EDIT REPORT
SAVANNAH TO ST. MARYS ENT., GA.
JOB CM-7205
MAP TP-00493

52. Adequacy of Compilation

Compilation was adequate. The MHWL was accepted as mapped per instructions received from the Chief, Coastal Mapping Division dated May 28, 1974. No shoreline changes of any significance were noted. An extensive "sand dune" area was overlooked on St. Catherine's Island. The dunes are of the lateral type and were indicated on the field edit ozalid and cross-referenced to the proper photograph. There is no "stream" at Lat. $31^{\circ} 43.3'$, Long. $81^{\circ} 09.7'$ which was questioned on the discrepancy print. A "wreck", at Lat. $31^{\circ} 33.6'$, Long. $81^{\circ} 09.8'$ was also questioned. A thorough search was made at or near mean low water of the lower quarter of St. Catherine's Island, no trace was found of a "wreck". However, as no proper equipment for hydrographic work was available to the field editor, the wreck may still be extant. Further confirmation as to the wreck's existence, or lack of it, should be referred to the hydrographic party as the "wreck" may be "sunken" and not visible at low water. A "pile", latitude $31^{\circ} 33' 12".143$, longitude $81^{\circ} 12' 51".202$, was located by field survey methods at the time of the location of the fixed aids to navigation. It was indicated on the field edit ozalid and cross-referenced to Form 76-53 where its position was listed. The "pile" is recommended for charting. New photography of the area covered by this map was flown in April of 1974.

54. Recommendations

There are no recommendations.

55. Examination of Proof Copy

Geographic Names

A geographic names investigation was not requested.

56. Landmarks and Non-Floating Aids for Navigation

There are no landmarks on this sheet. Six fixed aids to navigation fall within the compiled limits of this map. One of them, Sapelo Sound Light 138, was not extant at the time of field edit. It was deleted on Form 76-40. The other five aids, consisting of two lights and three daybeacons, were located by field survey methods and were entered on Form 76-40 which is included with this report.

57. Rocks, Reefs, and Shoals

There are no reefs or shoals, as defined, within the compiled limits of this map. There is, however, an extensive shoal area between Sapelo Sound Lights 140 and 142. Two "mounds of rocks" were found to be extant at latitude $31^{\circ} 32.2'$, longitude $81^{\circ} 12.5'$. These rocks are not indigenous to the


area and are probably ballast from the sailing ships of an earlier era. Whatever their origin, they are recommended for charting.

58. Photography

Photography consisted of 1:30,000 scale color contact prints and was excellent.

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]

REVIEW REPORT TP-00493

SHORELINE

October 2, 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-9949 (S), T-9951 (N), and T-9951 (S). These 1:10,000 maps were field edited in 1954. Significant differences are shown in blue on the comparison print.

In the area compared, TP-00493 supersedes Surveys T-9949 (S), T-9951 (N) and T-9951 (S) for nautical chart construction purposes. T-9949 (S), T-9951 (N), and T-9951 (S) are the latest registered prior surveys of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

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

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No hydrographic surveys were available for comparison.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 11510, 1:40,000 scale, 8th edition, dated Sept. 28, 1974 and 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
October 2, 1975

Approved for forwarding:

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

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

X=820,000 FT.

09'

81°08'

31°40'

07'

Marsh

Black
Hammock

Fish Creek

Beach

Sand

Area subject to
frequent change

31°39'

Marsh

McQueen
HammockMcQueen
Inlet

Middle

Mud

COMPARISON PRINT

Blue = T-9949(S)

Brown = USGS

Red = Chart 11511

38'



MIDDLE 1914

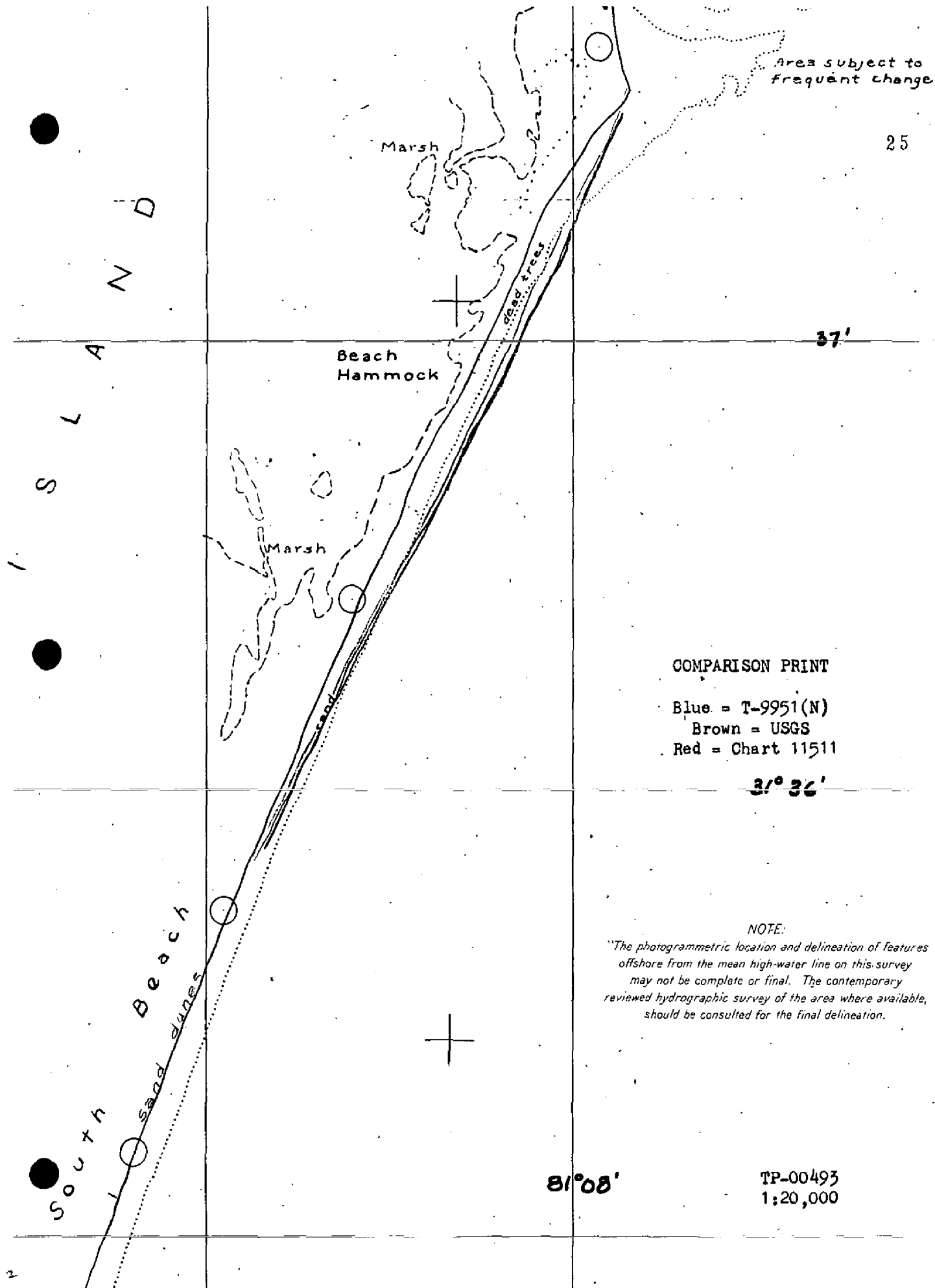
TP-00493
1:20,000

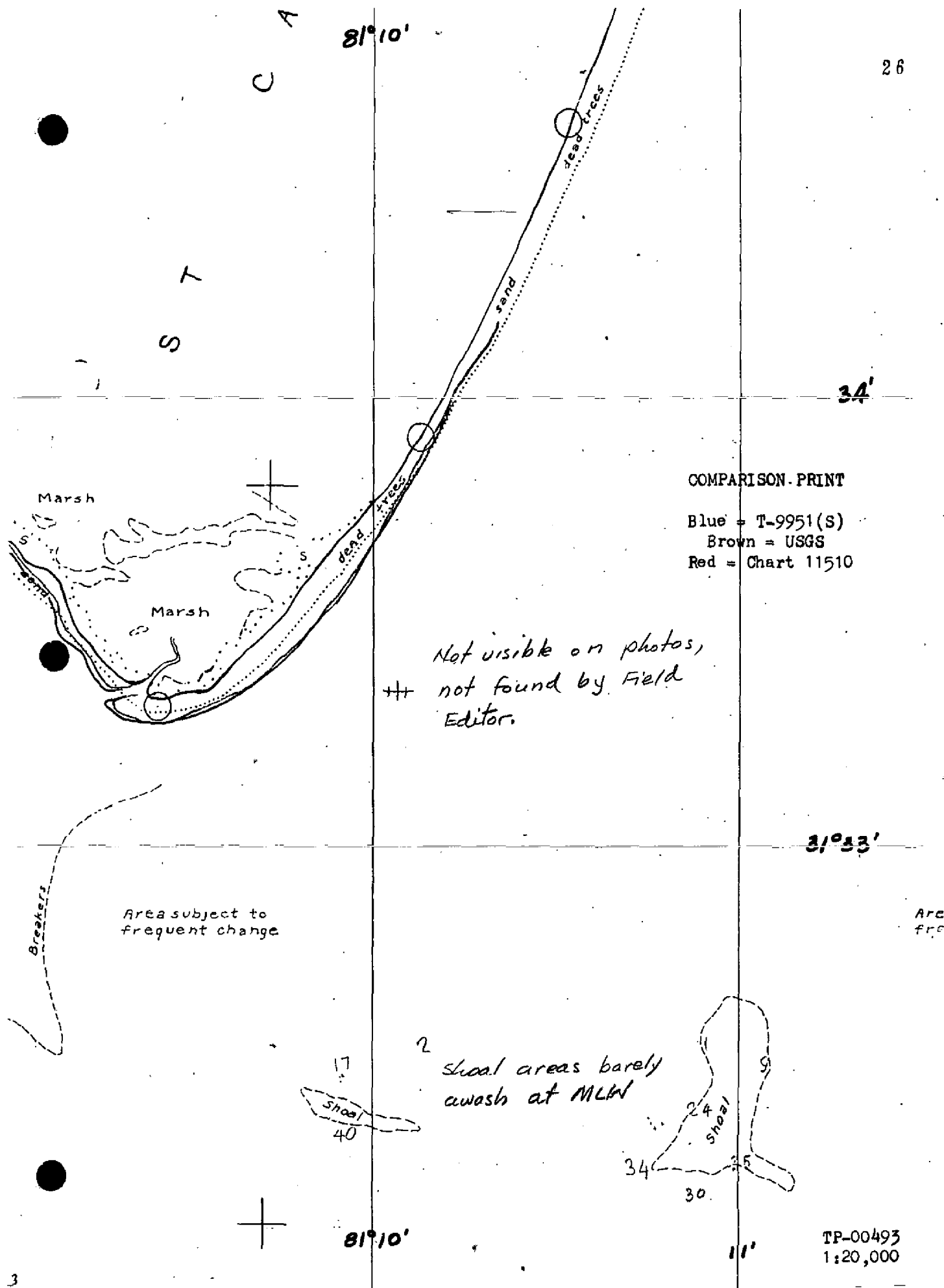
Marsh

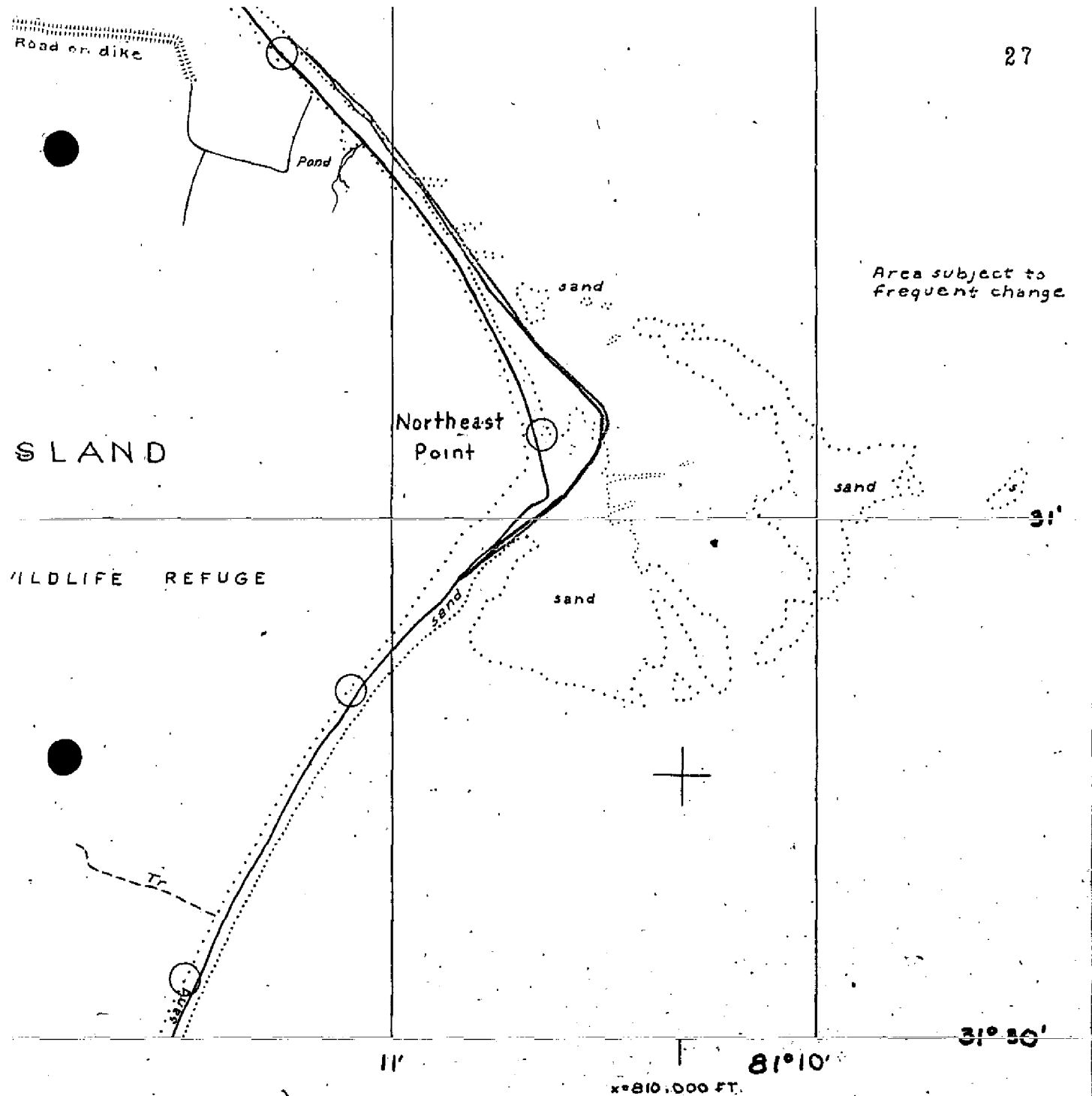
sand

sand

dun







NOTE: Unlabeled circles are photogrammetric plot points; not map features.

LEGEND

Mars

COMPARISON PRINT

Blue = T-9951 (S)
Brown = USGS
Red = Chart 11510

TP-00493

1:20,000