

TP- 00496

TP- 00496

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-00496  
Classification No. .... Edition No. 1  
Field Edited Map

## LOCALITY

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

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19 71 TO 19 74

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## 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		SURVEY TP. <u>00496</u>	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. <u>1</u>	
				<input type="checkbox"/> RESURVEY		MAP CLASS <u>Final</u>	
				<input type="checkbox"/> REVISED		JOB <u>CM-7205</u>	
PHOTOGRAMMETRIC OFFICE				LAST PRECEDING MAP EDITION			
Coastal Mapping Division, Norfolk, VA				TYPE OF SURVEY		JOB PH. _____	
OFFICER-IN-CHARGE				<input type="checkbox"/> ORIGINAL		MAP CLASS _____	
Jeffrey G. Carlen, Cdr.				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
				<input type="checkbox"/> REVISED		19__ TO 19__	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation Jan. 8, 1971				Oct. 22, 1971			
Compilation April 9, 1973				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				4. GRID(S)			
Polyconic				STATE Georgia		ZONE East	
5. SCALE				STATE		ZONE	
1:20,000							
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY				M. McGinley		No date	
METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY							
2. CONTROL AND BRIDGE POINTS PLOTTED BY				D. Phillips		May, 1974	
METHOD: <u>Coradomat</u> CHECKED BY							
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				Jl Byrd		June, 1974	
COMPILATION CHECKED BY				R.R. White		June, 1974	
INSTRUMENT: <u>Wild B-8</u> CONTOURS BY				NA			
SCALE: <u>1:15,000</u> CHECKED BY				NA			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				Jim Byrd		July, 1974	
CHECKED BY				R.R. White		July, 1974	
METHOD: <u>Wild B-8 and graphic</u> CONTOURS BY				NA			
CHECKED BY				NA			
SCALE: <u>1:20,000</u> HYDRO SUPPORT DATA BY				NA			
CHECKED BY				NA			
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				R.R. White		July, 1974	
6. APPLICATION OF FIELD EDIT DATA BY				J. Byrd		Feb., 1975	
CHECKED BY				A.L. Shands		Mar., 1975	
7. COMPILATION SECTION REVIEW BY				A.L. Shands		Mar., 1975	
8. FINAL REVIEW BY				C.H. Bishop		Oct., 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-00496  
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 ZONE 5th MERIDIAN 75th	
TIDE STAGE REFERENCE SAVANNAH RIVER ENT. <input checked="" type="checkbox"/> PREDICTED TIDES (Hampton River Ent.) <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	
* 73C(C)(I) 4241 - 4245	9/30/73	10:00	1:60,000	7.2 ft. above MLW	
** 73C(C)(I) 4287 - 4291	10/8/73	10:04	1:60,000	± 0.2 ft. of MHW	
** 74C(C)(I) 8995 - 8998	4/6/74	15:30	1:60,000	± 0.2 ft. of MLW	

## REMARKS

\*Bridge and 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 Oct. 2, 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-00495	No Survey	TP-00497	No Survey

## REMARKS

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

TP-00496

## 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 None	
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
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

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
71M-678	MALCOLM McKINNON AIRPORT BEACON, 1959		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
71M-678	MALCOLM McKINNON AIRPORT BEACON, 1959		

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 SURVEYTP-00496  
HISTORY OF FIELD OPERATIONSI. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R.S.T.	Sept. 1973
2. HORIZONTAL CONTROL	RECOVERED BY	L.H.D.
	ESTABLISHED BY	None
	PRE-MARKED OR IDENTIFIED BY	L.H.B.
3. VERTICAL CONTROL	RECOVERED BY	NA
	ESTABLISHED BY	NA
	PRE-MARKED OR IDENTIFIED BY	NA
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY	L.H.D.
	LOCATED (Field Methods) BY	None
	IDENTIFIED BY	L.H.D.
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	None

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
73C-4244(I)	LATHRAM, 1933		
73C-4241(I)	MALCOLM McKINNON AIRPORT BEACON		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
73C-4241(I)	MALCOLM McKINNON AIRPORT BEACON		

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 cards

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 " " "	Sept. 1973
3. VERTICAL CONTROL	RECOVERED BY	
	ESTABLISHED BY	
	PRE-MARKED OR IDENTIFIED BY	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY Richard E. Kesselring	Feb. Aug. 74
	LOCATED (Field Methods) BY " " "	" " "
	IDENTIFIED BY " " "	Aug. 1974
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input type="checkbox"/> NO INVESTIGATION	BY
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  
Malcom McKinnon Airport Beacon, 19592. VERTICAL CONTROL IDENTIFIED  
N.A.

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details) Field Edit  
71E(C) 9137A; 71E(C) 9139A; 71E(C) 9141A4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED  
Identified three landmarks, located five landmarks, recovered five landmarks,  
located three aids to navigation, recovered two aids to navigation.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
71E(C) 9138A	TOWER		
71E(C) 9138A	TOWER		
71E(C) 9138A	TOWER		

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)

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

3-Form 76-53 Control Station Identification (for Naut. Idmks.)

NOAA FORM 76-36D  
(3-72)TP-00496  
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	7/ /74	Class III Manuscript Superseded		8/6/74
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
13		3/19/75	Ldmks for charting
5		3/19/75	Aids for charting (includes 1 aero. aid)
2		3/19/75	Aids 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: 3/19/75

## III. FEDERAL RECORDS CENTER DATA

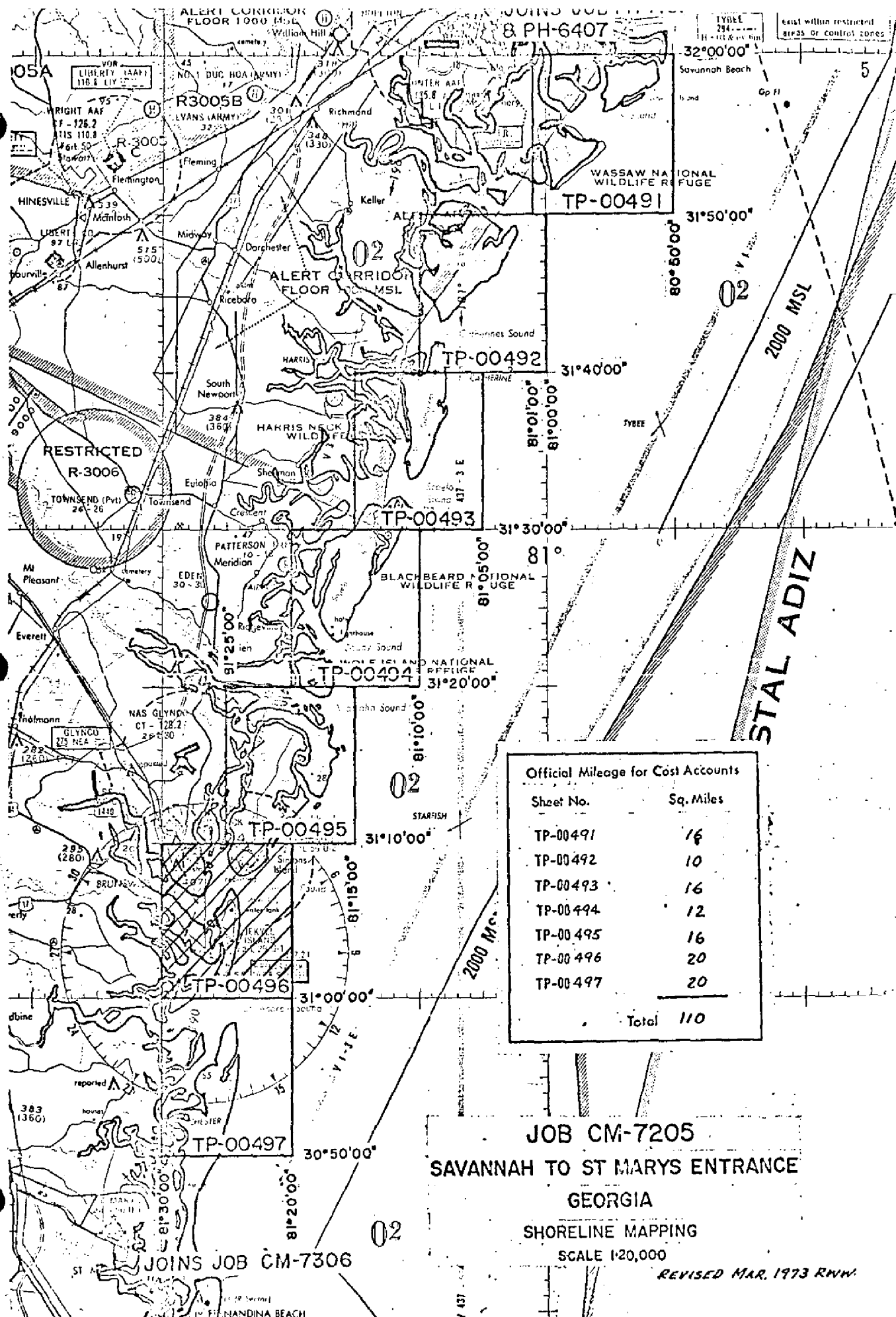
1. ☐ BRIDGING PHOTOGRAPHS; ☐ DUPLICATE BRIDGING REPORT; ☐ COMPUTER READOUTS.  
 2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.  
 3. ☐ SOURCE DATA (except for Geographic Name Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
 ACCOUNT FOR EXCEPTIONS:

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  
Job CM - 7205  
Savannah to St. Mary's Entrance Part II  
Georgia

21. Area Covered

This project covers the shoreline from Brunswick, Georgia, to just north of St. Mary's Entrance and joining job CM-7306. Included are three T-sheets (TP-00496, 497, and a portion of TP-00657). All sheets are 1:20,000 scale.

22. Method

One strip of color IR photography was bridged on the Wild STK1 in order to obtain pass point positions and exact scale ratios to be used during compilation.

The strip was adjusted on four triangulation stations with eleven additional triangulation stations as checks. The adjustment was performed on the IBM6600. All sheets were ruled and plotted on the Coradomat.

1:20,000 scale ratios were ordered.

Horizontal control complied with project instructions and held within National Map Accuracy.

The paneled substitute stations for Beach 2, 1933, and Little Cumberland Island Lighthouse, 1860, were seen only with extreme difficulty and the aid of the tandem black and white infrared photos. The difficulty encountered was due to placement of targets on sandy beach areas.

24. Supplemental Data

Vertical control for bridging only was obtained from local USGS quads.

25. Photography

Photography was adequate as to overlap, definition, and coverage.

Submitted by,

*Michael L. McGinley*  
Michael L. McGinley

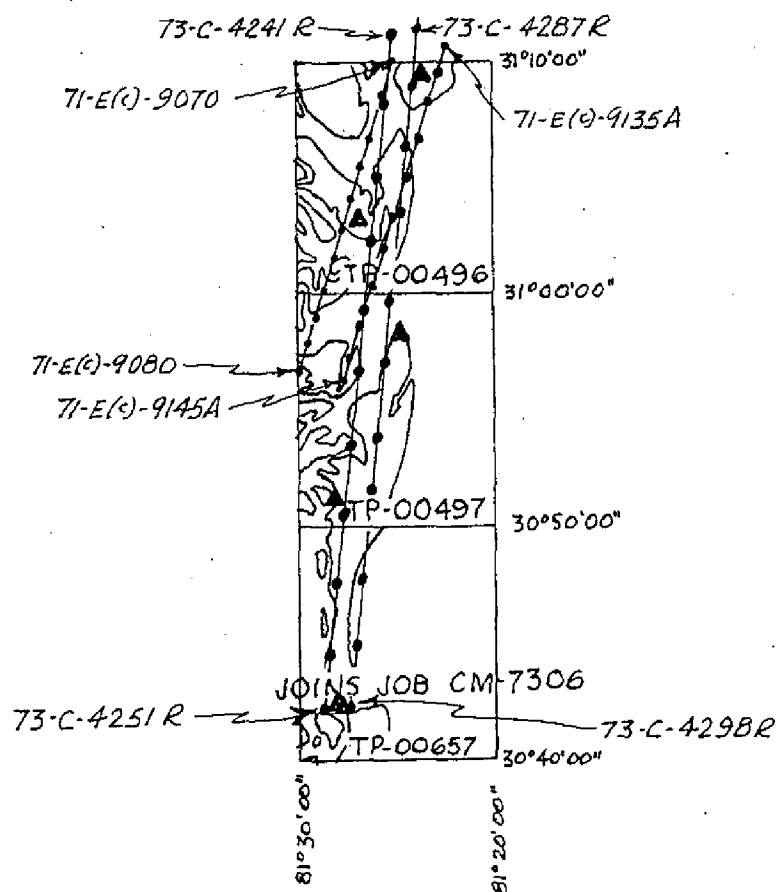
Approved by:

*John D. Perrow, Jr.*  
John D. Perrow, Jr.  
Chief, Aerotriangulation Section

73-C-4241R to 4251R Color IR - Bridging 1:60,000

73-C-4287R to 4298R Color IR MHW 1:60,000

71-E(2)-9070 to 9080 & 9135A to 9145A 1:30,000 Color



JOB CM-7205

Savannah to St Mary's Entrance Part II

Georgia

## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODEIC DATUM		ORIGINATING ACTIVITY		REMARKS
					STATE	ZONE	COORDINATES IN FEET	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	
TP-00496		CM-7205				N.A. 1927			
	MALCOLM MCKINNON AIRPORT BEACON, 1959		Bridge Form 164, P-1 Unadjusted						
	ST. SIMONS ISLAND GOLF CLUB FLAGPOLE, 1933		Quad. 310- 812 1113						
	ST. SIMONS ISLAND LIGHT- HOUSE, 1972-1932		Quad. 310- 812 1114						
	KAY, 1933		Quad. 310- 812 1036						
	PIVOT, 1905		Quad. 310- 812 1055						
	PIVOT RM, 1913		Quad. 310- 812 1054						
	LATHRAM, 1933		Quad. 310- 812 1038						
	EMMA, 1933		Quad. 310- 812 1026						
	JEKYLL ISLAND RANGE FRONT LIGHT, 1933		Quad. 310- 812 1102						
	JEKYLL ISLAND RANGE REAR LIGHT, 1933		Quad. 310- 812 1103						
COMPUTED BY	A.C. Rauck, Jr. Jim Byrd								DATE 3/13/75 6/1/74
LISTED BY									DATE
HAND PLOTTING BY									DATE

## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	GEODEIC DATUM		ORIGINATING ACTIVITY		REMARKS
					STATE	ZONE	COORDINATES IN FEET	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	
TP-00496		CM-7205				N.A. 1927			
	JEKYLL ISLAND SOUTH WATER TANK, 1968		Quad. 310-812 1105					φ 31° 02' 42.052"	
								λ 81° 24' 47.437"	
	JEKYLL ISLAND NORTH WATER TANK, 1967		Quad. 310-812 1104					φ 31° 05' 08.134"	
								λ 81° 24' 40.686"	
	ST. SIMONS SOUND WEST REAR DREDGING RANGE, 1967		Quad. 310-812 1119					φ 31° 08' 54.365"	
								λ 81° 25' 07.028"	
	ST. SIMONS SOUND EAST REAR DREDGING RANGE, 1967		Quad. 310-812 1118					φ 31° 08' 49.797"	
								λ 81° 25' 05.226"	
	ST. SIMONS ISLAND WATER TANK, 1967		Quad. 310-812 1116					φ 31° 08' 28.406"	
								λ 81° 23' 38.209"	
VOR SS 1			Airport Surveys					φ	
								λ	
								φ	
								λ	
								φ	
								λ	
								φ	
								λ	
COMPUTED BY								λ	
									DATE
LISTED BY									DATE
HAND PLOTTING BY									DATE

## COMPILATION REPORT

TP-00496

31. DELINEATION

Delineation was by the Wild B-8 stereoplotter. Photography 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 delineation 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 tide coordinated photographs.

36. OFFSHORE DETAILS

The mean low water line and shoals were delineated from office interpretation of tide coordinated photographs.

37. LANDMARKS AND AIDS

Copies of Form 76-40 for 5 non-floating aids to navigation to be charted, 2 non-floating aids to be deleted and 13 landmarks 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: BRUNSWICK EAST, GA, dated 1956 and JEKYLL ISLAND, GA, dated 1957, both at 1:24,000 scale.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey charts: 447, 25th Ed., dated 1 April, 1972; and 448, 8th Ed., dated 16 Sept, 1972. Both charts are 1:40,000 scale.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

*Jim Byrd*

Jim Byrd, Cartographer, 7/15/74

Approved:

*Albert C. Rauck Jr.*

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



ADDENDUM TO THE COMPILATION REPORT

TP-00496

FIELD EDIT

Field edit was adequate. However, the field editors reference to "Jekyll Island Light #26" is obviously a mistake, since no such light exists. The Light referred to in the field edit report is Jekyll Island Light #29. Also two Landmark towers recommended for charting at the southern tip of St. Simons Island were identified on contact print 71 E(C)-9138A. These positions were transferred as accurately as possible to the office ratio prints. However, no image of these towers appears on any photograph available in the office.

Arnold L. Shands

*The towers mentioned above were mapped,  
using the field edit identification.*

*Charles H. Bishop  
Final Reviewer*

18 August 1975

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

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

TP-00496

Atlantic Ocean

St. Simons Island

Beach Creek

St. Simons Sound

Blackbank River

Sea Island

Clam Creek

DuBignons Creek

Goulds Inlet

Jekyll Creek

Jekyll Island

Jekyll Island State Park

Jekyll Point


King Creek

Malcolm-McKinnon Airport

St. Andrew Sound

St. Simons

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-00496			
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	14. ROCKS, SHOALS, ETC.	15. BRIDGES
16. AIDS TO NAVIGATION RRW	17. LANDMARKS RRW	18. OTHER ALONGSHORE PHYSICAL FEATURES RRW	19. OTHER ALONGSHORE CULTURAL FEATURES RRW
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 RRW	28. BUILDINGS RRW	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 Richard R. White Richard R. White July, 1974		SUPERVISOR REVIEW SECTION OR UNIT Albert C. Rauck, Jr. 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. Byrd Feb., 1975		SUPERVISOR Albert C. Rauck, Jr. A.C. Rauck, Jr.	
Reviewer: A.L. Shands March, 1975			
43. REMARKS Field edit was applied from the following: Field edit ozalid, field photos 71E(C)9137A, 9138A, 9139A and 9141A, also forms 76-40.			

FIELD EDIT REPORT  
SAVANNAH TO ST. MARYS ENT., GA.  
JOB CM-7205  
MAP TP-00496

52. Adequacy of Compilation

Compilation was adequate. This map was compiled from photography flown in 1973 which was not available to the field editor. The MHWL was accepted as mapped according to instructions from the Chief, Coastal Mapping Division dated May 28, 1974. No significant deviations from the compiled shoreline were noted. One area, near the northeasterly limits of the map, was compiled as MHWL when it is actually covered at mean high water. It was dealt with on the field edit ozalid. Nearly the entire southern shoreline of St. Simons Island has been strengthened with riprap. In some cases the riprap was placed offshore of existing bulkheads. The MHWL is in the riprap. Riprap limits were indicated on the field edit ozalid with cross-references to the appropriate photograph. Numerous "piers" in the riprap area are actually walkways built over the riprap to facilitate access to the beach. There is only one "pier" on the southern end of St. Simons Island. A new pier is under construction immediately adjacent to the existing pier and is of the same width. When the new pier is completed the existing pier will be dismantled with the exception of the existing northwestern part of the "T" which will be retained. The southeastern half of the "T" will be constructed to conform with the northwestern half. A "submerged bulkhead" at lat.  $31^{\circ} 08.2'$ , long.  $81^{\circ} 24.3'$  was actually "oysters and mud" in the foreshore and was dealt with accordingly. A few "dead trees" in the foreshore and "mud and oysters" in the foreshore were not compiled, they were indicated on the field edit ozalid with cross-references to the proper photograph. The "pier" at the northern end of Jekyll Island is roofed over on both the small end "T's" and the center portion of the main "T" is also roofed. New photography was flown of the area on this map in April 1974.

54. Recommendations

None.

55. Examination of Proof Copy

Geographic Names

A geographic names investigation was not requested nor was one made.

56. Landmarks and Non-Floating Aids for Navigation

There are thirteen nautical landmarks within the compiled limits of this map. Five of them were located by field survey methods, five are triangulation and the other three were photo-identified. All were indicated on the field edit ozalid and entered on form 76-40, which is included with this report.

Thirteen fixed aids to navigation fall within the compiled limits of this map. Verbal instructions were received from the Chief, Field Survey Branch, Atlantic Marine Center, to ignore all of them except St. Simons Sound Light 249, Jekyll Creek Lights 25 and (26) and Raccoon Key Spit Daybeacon 6. These instruc-

29

CMB  
10-14-75

tions were complied with and no investigation of any aids except those mentioned above and St. Simons Light was made. Jekyll Creek Light (26) and Raccoon Key Spit Daybeacon 6 were not extant at the time of field edit. A buoy was at or near the charted position of Jekyll Creek Light (26), nothing indicated the position of Raccoon Key Spit Daybeacon 6. Jekyll Creek Daybeacon 27, Jekyll Creek Light 25 and St. Simons Sound Light 249 were located by field survey methods, indicated on the field edit ozalid and entered on form 76-40 which is included with this report. Jekyll Creek Light (26) and Raccoon Key Spit Daybeacon 6 were deleted on form 76-40 which is also included with this report.

Lt. 29  
CHB  
Final Rev.  
10-14-75

#### 57. Rocks, Reefs, and Shoals

There are no rocks or reefs within the compiled limits of this map. Several shoals are extant in the area just southeast of St. Simons Island. These shoals bare approximately one foot at mean low water. The areas were indicated on the field edit ozalid and cross-referenced to the appropriate photograph. A large "flat" near the entrance to Goulds Inlet was also found to bare at mean low water. It, too, was indicated on the field edit ozalid and cross-referenced to photo 71E(C) 9137A.

#### 58. Photography

Photography consisted of 1971 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*  
Richard E. Kesselring  
Surveying Technician  
Photo Party 62

NOAA FORM 76-40 (8-74)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION		ORIGINATING ACTIVITY <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 (See reverse for responsible personnel)	
NONFLOATING AIDS <del>ON</del> FOR CHARTS					
REPORTING UNIT (If Field Party, Ship or Office) Coastal Mapping Div. AMC - Norfolk, Va.		STATE Georgia	LOCALITY Savannah to St. Marys Entrance	DATE Feb. 1975	
<input type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE REVISED <input checked="" type="checkbox"/> TO BE DELETED		The following objects HAVE <input checked="" type="checkbox"/> HAVE NOT <input type="checkbox"/> been inspected from seaward to determine their value as landmarks.			
Replaces C&GS Form 567.					

Replaces C&GS Form 567.

**NONFLOATING AIDS OF NAVIGATION FOR CHARTS**

REPORTING UNIT (If field Party, Ship or Office) Coastal Mapping Div. AMC - Norfolk, Va.	STATE Georgia	LOCALITY Savannah to St. Marys Entrance	DATE Feb. 1975
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The following objects HAVE ☒ HAVE NOT ☐ been inspected from seaward to determine their value as landmarks.

TO BE CHARTED ☐ TO BE REVISED ☐ TO BE DELETED ☒

PHOTO FIELD PARTY ☐ COMPILATION ACTIVITY ☒ FINAL REVIEWER ☐ QUALITY CONTROL & REVIEW GRP. ☐ COAST PILOT BRANCH ☐

(See reverse for responsible personnel)

The following objects HAVE ☒ been inspected from seaward to determine their value as landmarks.

1  
N.A. 1927

POSITION (See instructions on reverse side) CHARTS

DESCRIPTION	LATITUDE	LONGITUDE	AFFECTED

NAME		D.M. Meters	D.P. Meters
Show triangulation station names, where applicable, in parentheses	/	0	0

730(0)	12/1	Removed
12/2	11/8	Removed

FLIGHT	31-01-01	Sept. 30, 1913	Aug. 16, 1913	0415
-Jekyll Creek Light 25				

[illegible]

BEACON	Daybeacon 6	31-00.4	31-26.4	Aug. 16, 1974
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Country	Percentage
Algeria	~10
Angola	~10
Argentina	~10
Bolivia	~10
Brazil	~10
Bulgaria	~10
Cameroon	~10
Canada	~10
Chad	~10
Cote d'Ivoire	~10
Czechia	~10
France	~10
Germany	~10
Ghana	~10
India	~10
Italy	~10
Japan	~10
Mexico	~10
Nigeria	~10
Poland	~10
Romania	~10
South Africa	~10
South Korea	~10
Tanzania	~10
Thailand	~10
Tunisia	~10
Uganda	~10
United Kingdom	~10
United States	~10
Zambia	~10

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[illegible]

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.										U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION										
REPORTING UNIT (If field party, ship or office) Coastal Mapping Div. AMC- Norfolk, Va.										LOCALITY Savannah to St. Marys Entrance										
STATE Georgia										DATE Feb. 1975										
CHARTING NAME										ORIGINATING ACTIVITY										
TO BE CHARTED										HYDROGRAPHIC PARTY										
TO BE REVISED										GEODETIC PARTY										
TO BE DELETED										PHOTO FIELD PARTY										
The following objects HAVE <input checked="" type="checkbox"/> HAVE NOT <input type="checkbox"/> been inspected from seaward to determine their value as landmarks.										COMPILATION ACTIVITY										
CPR PROJECT NO. 436										FINAL REVIEWER										
JOB NUMBER CM-7205										QUALITY CONTROL & REVIEW GRP.										
SURVEY NUMBER TP-00496										COAST PILOT BRANCH										
DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)										METHOD AND DATE OF LOCATION (See instructions on reverse side)										
LATITUDE										LONGITUDE										
° / ' " D.M. Meters										° / ' " D.P. Meters										
TOWER	Elevator shaft. Ht.=60(66)										V-Vis. Aug. 29, 1974 71E(C) 9138A									
TOWER	Single cylindrical steel pole, basket shaped platform with light on top Ht.=70(77)										32.42 859									
TOWER	Single cylindrical steel pole, basket shaped platform with light on top Ht.=70(77)										38.80 1028									
TOWER	Three structural steel legs Ht.=340(345)										57.366 1521.6									
TANK	Eight structural steel legged spherical tank. Ht.=150(157)										73C(C) 4290 Oct. 2, 1973									
TANK	Pedestal base watersphere. Ht.=143(150) Jekyll Island South Water Tank, 1968										73C(C) 4290 Oct. 2, 1973									
TANK	Pedestal base watersphere Ht.=143(158)										73C(C) 4289 Oct. 2, 1973									
TOWER	Three structural steel legs. Ht.=110(118)										F-3-6-L Feb. 28, 1974									





## REVIEW REPORT TP-00496

## SHORELINE

October 15, 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 T-9955(S) and T-9956(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.

No comparison was made south of  $31^{\circ} 07' 30''$ .

In the area compared, TP-00496 supersedes T-9955(S) and T-9956(S) for nautical chart construction purposes. T-9955(S) and T-9956(S) are the latest registered prior surveys of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with USGS Quadrangles SEA ISLAND, GA, 1:24,000 scale, dated 1955, BRUNSWICK EAST, GA, 1:24,000 scale, dated 1956, and JEKYLL ISLAND, GA, 1:24,000 scale, dated 1957. Significant differences are shown on the comparison print in colors indicated in the legend on each page.

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 11489, 1:40,000 scale 13th edition, dated Aug. 1975 and Chart 11506, 1:40,000 scale, 27th 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 for Map Accuracy.

Submitted by:

*Charles H. Bishop*

Charles H. Bishop  
Cartographer  
October 15, 1975.

Approved for forwarding:

*Victor E. Serena*

Victor E. Serena  
Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

30,000 FT.

25'

81° 24' X = 740,000 FT.

31010'

## ST. SIMONS ISLAND

## COMPARISON PRINT

Blue = T-9955(S) &amp; USGS

(The blue line represents  
both registered surveys  
and USGS)MALCOM, McKINNO  
AIRPORT BEACON.

TOWER (Steel) ht. = 140 (140)  
ST. SIMONS SOUND WEST  
REAR DREDGING RANGE, 1967

TOWER (Steel) ht. = 140 (140)  
ST. SIMONS SOUND EAST  
REAR DREDGING RANGE, 1967

SIMONS SOUND LIGHT 249

ST. SIMONS ISLAND GOLF  
CLUB FLAGPOLE, 1935

ST. SIMONS ISLAND WATER TOWER  
(Steel) ht. = 133 (140)

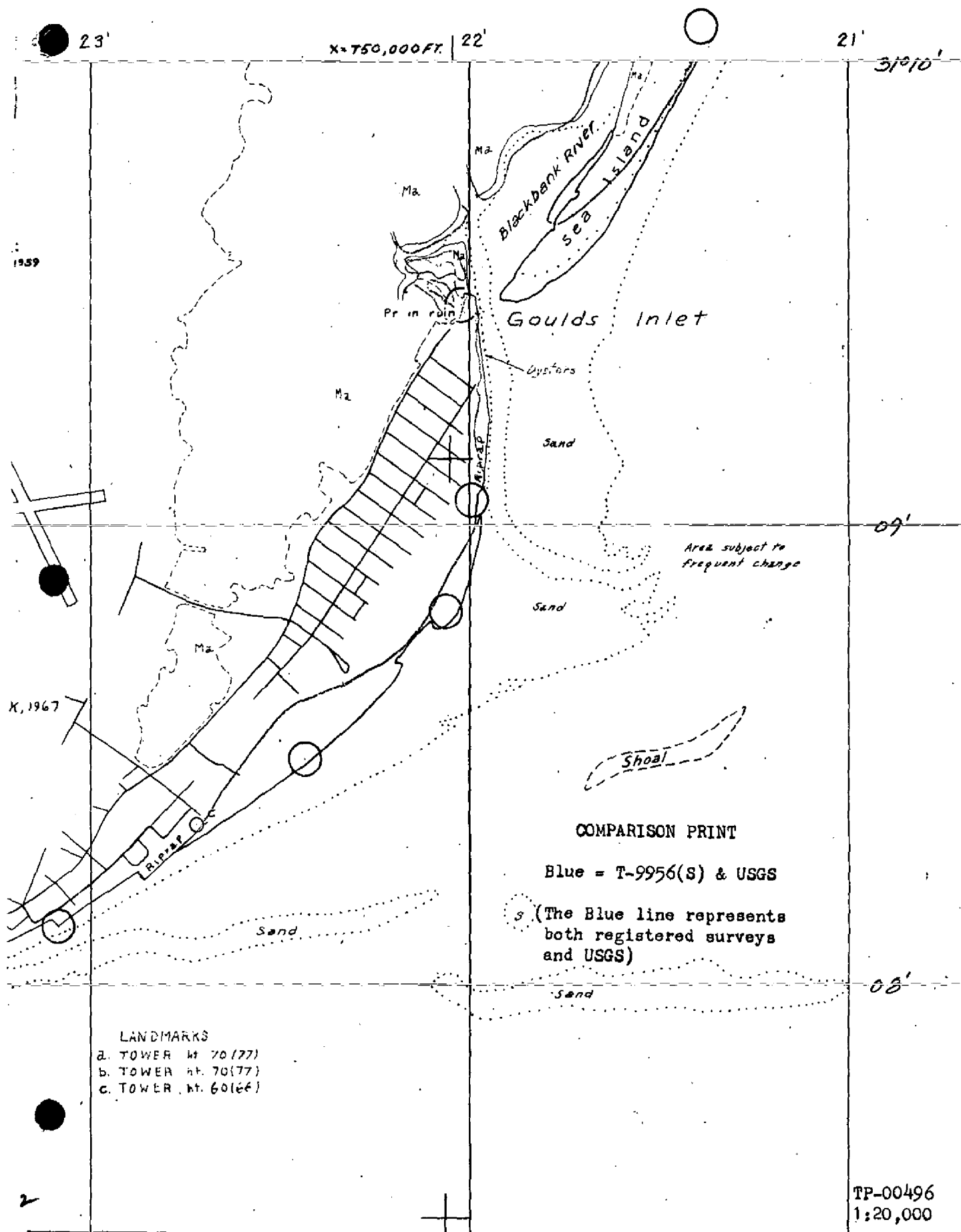
St. Simons

ST. SIMONS ISLAND LIGHT  
(ST. SIMONS ISLAND  
LIGHTHOUSE, 1872-1932)

Pier

TP-00496  
1:20,000

ST. SIMONS  
SOUND



81° 25'

26' Area subject to frequent change

26

Class 2 Bldgs  
on pier

Riprap

DuBignon Cr

Ma

Ma

Ret W

TANK (steel)  
ht. 150 (157)

JEKYLL ISLAND NORTH  
WATER TANK, 1967 (Steel)  
ht. 146 (156)

31° 05'

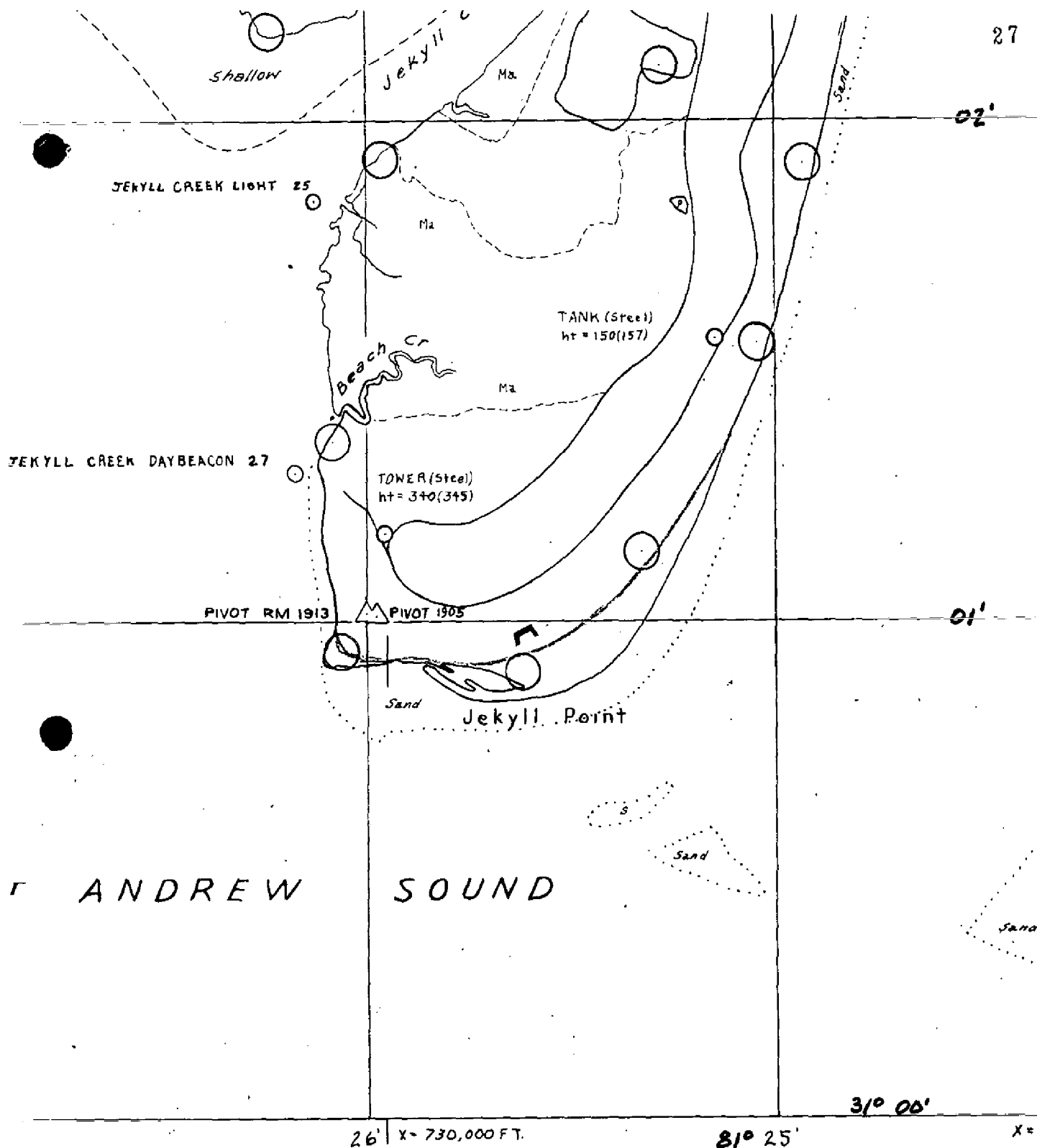
COMPARISON PRINT

Brown = USGS

TP#00496  
1:20,000

R K

I D



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

COMPARISON PRINT

Brown = USGS

TP-00496  
1:20,000

4