

T-12296 (2)

T-12296 (2)

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. ..PH-7019..... Map No.T-12296(2)...

Classification No. .... Edition No. ....<sup>2</sup>.....

Field Edited Map

## LOCALITY

State ..... South Carolina .....

Cape Fear, N.C. to  
General Locality .. Murrells Inlet, S.C. ....

Locality ..... Myrtle Beach .....

19 69 TO 19 74

## REGISTRY IN ARCHIVES

DATE .....

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 <del>NO.</del> T-12296(2)	
DESCRIPTIVE REPORT - DATA RECORD				<input type="checkbox"/> ORIGINAL		MAP EDITION NO. (2)	
				<input checked="" type="checkbox"/> RESURVEY		MAP CLASS Final	
				<input type="checkbox"/> REVISED		JOB PH.7019	
PHOTOGRAMMETRIC OFFICE				LAST PRECEDING MAP EDITION			
Coastal Mapping Division (Norfolk)				TYPE OF SURVEY		JOB PH.6217	
OFFICER-IN-CHARGE				<input checked="" type="checkbox"/> ORIGINAL T-12296		MAP CLASS	
Jeffrey G. Carlen, CDR				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
				<input type="checkbox"/> REVISED		1962 TO 1964	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation - Jan 15, 1971 Compilation - Jan 21, 1972 Office Supplement - Jan 25, 1972				Aug 26, 1970 Dec 28, 1970			
II. DATUMS							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN				OTHER (Specify)			
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input checked="" 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 South Carolina		ZONE North	
5. SCALE 1:20,000				STATE		ZONE	
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY				J. Perrow		Sep 1971	
METHOD: Stereoplanigraph LANDMARKS AND AIDS BY							
2. CONTROL AND BRIDGE POINTS PLOTTED BY				D. Phillips		Oct 1971	
METHOD: Coradamat CHECKED BY				D. Phillips		Oct 1971	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				T. Bulfer		Jan 1971	
COMPILATION CHECKED BY				A. Shands		Jan 1971	
INSTRUMENT: Wild B-8				CONTOURS BY		NA	
SCALE: 1:20,000				CHECKED BY		NA	
4. MANUSCRIPT DELINEATION PLANIMETRY BY				R. Pate		Feb 1972	
CHECKED BY				A. Shands		Feb 1972	
METHOD: Wild B-8 and Graphic				CONTOURS BY		NA	
SCALE: 1:20,000				CHECKED BY		NA	
HYDRO SUPPORT DATA BY				R. Pate		Feb 1972	
CHECKED BY				A. Shands		Feb 1972	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				A. Shands		Feb 1972	
6. APPLICATION OF FIELD EDIT DATA BY				I. Perkinson		Mar 1975	
CHECKED BY				F. Margiotta		Mar 1975	
7. COMPILATION SECTION REVIEW BY				A. Shands		Feb 1972	
8. FINAL REVIEW BY				C. Bishop		Feb 1976	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				C. H. Bishop		Mar. 1976	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY							
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				R. CATOR		MAY 1976	

NOAA FORM 76-36B  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYT-12296(2)  
COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 E & K		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR X (P) PANCHROMATIC (I) INFRARED X		ZONE Eastern	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				MERIDIAN 75°	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
69E(C) 3767 - 3772	Dec 4, 1969	10:20	1:20,000	1.2 ft. above MLW	
*70K(I) 5449 - 5453	Apr 8, 1970	14:45	1:20,000	± 0.2 ft. of MLW	
70E(C) 8655 - 8658	Dec 5, 1970	10:24	1:40,000	3.9 ft. above MLW	
*Tide Controlled					

## REMARKS

Reference Station - Charleston, SC  
Subordinate Station - Myrtle Beach, SC

## Mean Range

5.2 ft.  
5.1 ft.

## 2. SOURCE OF MEAN HIGH-WATER LINE:

Office interpretation of color photography of Dec 5, 1970 (centers not mapped).

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

Office interpretation of infrared photography of Apr 8, 1970 (Centers not mapped).

## 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
No contemp. survey	T-12297(2)	T-12299(2)	No contemp. survey

## REMARKS

NOAA FORM 76-36C  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYT-12296(2)  
HISTORY OF FIELD OPERATIONSI. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. Wilson	Nov 13, 1970
2. HORIZONTAL CONTROL	RECOVERED BY D. Ray	Nov 13, 1970
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY D. Ray	Nov 13, 1970
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 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	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
70E(C) 8658	LIBRARY, 1962		
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) 1 Form 76-53 Control Station Identification			

NOAA FORM 76-36C  
(3-72)

T-12296(2)  
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Wagner	1974
2. HORIZONTAL CONTROL NA RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY		
3. VERTICAL CONTROL NA RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY		
4. LANDMARKS AND AIDS TO NAVIGATION RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	R. Kesselring, R. Wagner R. Kesselring, R. Wagner	May 1974 May 1974
5. GEOGRAPHIC NAMES INVESTIGATION NA 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	R. Kesselring	
7. BOUNDARIES AND LIMITS SURVEYED OR IDENTIFIED BY		

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

69E(C) 3766 and 3770

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

Data for objects verified by the field editor are listed under 8. below.

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)

4 Form 76-40 Nonfloating Aids or Landmarks for Charts

Field Edit Ozalid, Film Ozalid with field work, Field Edit Report

T-12296(2)  
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	Feb 1972	Class III Superseded	None	May 16, 1972
Field Edit Applied Compilation Complete	Mar 1975	Class I Superseded	Apr 7, 1975	
Final Review	Feb 1976		2-27-76	

## II. LANDMARKS AND AIDS TO NAVIGATION

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
10		Apr 9, 1975	Landmarks for Charting
1		Apr 9, 1975	Landmarks for Deletion
4		Apr 9, 1975	Non-floating Aids for Charting
1		Feb 18, 1976	Landmark for Charting
1		Feb 18, 1976	Non-floating Aid for Charting (correction)

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: Apr 9, 19753. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

## III. FEDERAL RECORDS CENTER DATA

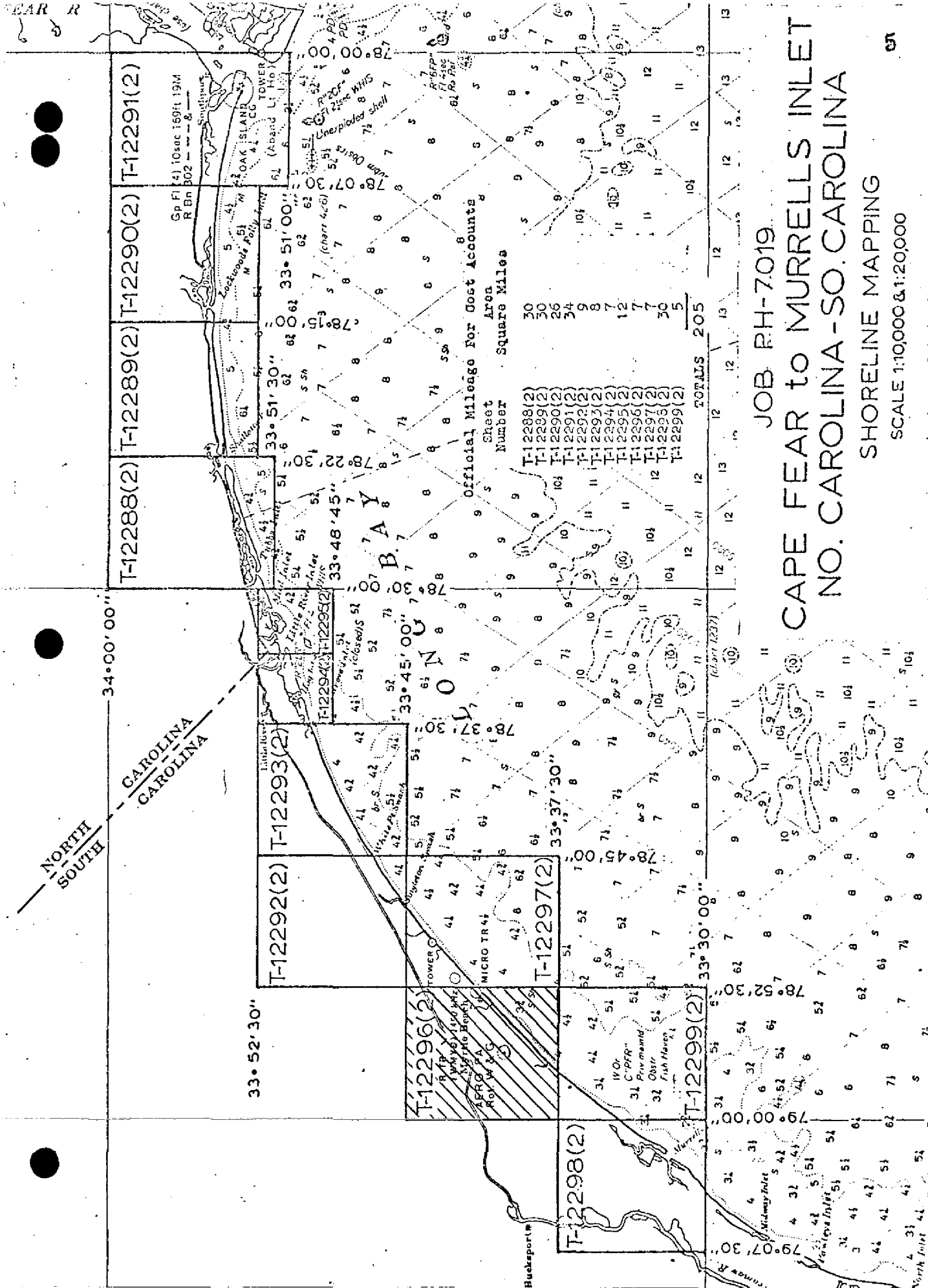
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS 567 SUBMITTED BY FIELD PARTIES.  
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
ACCOUNT FOR EXCEPTIONS:

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

CAPE FEAR R



JOB RH-7019

# CAPE FEAR TO MURRELLS INLET NO. CAROLINA-SO. CAROLINA

SHORELINE MAPPING

SCALE 1:100,000 & 1:200,000

## SUMMARY TO ACCOMPANY

## DESCRIPTIVE REPORTS T-12288 (2) through T-12299 (2)

Project PH-7019 is one of several projects that comprise the Seaward Coastal Plains Expedition (SCOPE). It is a resurvey most of Project PH-6217 and consists of ten 1:20,000 scale and two 1:10,000 scale shoreline manuscripts. The project extends from Cape Fear, NC to Murrells Inlet, SC. Only the Atlantic Ocean shoreline and shoreline adjacent to inlets was mapped.

The only field work prior to compilation was the identification and premarking of horizontal control required for bridging.

Bridging was done in the Rockville Science Center in Sept., 1971, using the stereoplanigraph with 1:40,000 scale photography taken in December, 1970. The Bald Head Island area was bridged as part of Project CM-7219 in 1973, using 1:40,000 scale color photography taken in October, 1972.

Compilation was done at the Atlantic Marine Center in February and March, 1972.

Field edit was done as follows:

<u>Map</u>	<u>Field Edit Performed by:</u>		<u>Date</u>
	Experienced	Trainee	
	Photogrammetrist		
T-12288 (2)	x		Feb., 1975
T-12289 (2)		x	Feb., 1973
T-12290 (2)		x	Jan., 1973
T-12291 (2)		x	Jan., 1973
T-12292 (2)	x		June, 1974
T-12293 (2)	x		June, 1974

<u>Map</u>	<u>Field Edit Performed by:</u>		<u>Date</u>
	<u>Experienced</u>	<u>Trainee</u>	
	<u>Photogrammetrist</u>		
T-12294 (2)	x		Aug., 1972
T-12295 (2)	x		Aug., 1972
T-12296 (2)	x		May, 1974
T-12297 (2)	x		June, 1974
T-12298 (2)	x		May, 1974
T-12299 (2)	x		May, 1974

The original manuscripts were stabilene sheets. The 1:20,000 scale maps are  $7\frac{1}{2}$  minutes in latitude by  $7\frac{1}{2}$  minutes in longitude, except T-12288 (2) which is  $8\frac{1}{2}$  minutes in latitude by  $7\frac{1}{2}$  minutes in longitude, and T-12291 (2) which is 9 minutes in latitude by  $7\frac{1}{2}$  minutes in longitude. The 1:10,000 scale maps, T-12294 (2), and T-12295 (2), are each  $3\frac{3}{4}$  minutes in latitude by  $3\frac{3}{4}$  minutes in longitude.

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

7

PHOTOGRAMMETRIC PLOT REPORT  
Job PH-7019  
Cape Fear to Murrells Inlet  
North Carolina and South Carolina

*Sept 1971*

21. Area Covered

This project covers the shoreline from Cape Fear, North Carolina, to just south of Murrells Inlet, South Carolina. Included are 12 T-sheets (T-12288(2) thru T-12299(2)). All sheets are 1:20,000 scale with the exceptions of T-12294(2) and T-12295(2) which are 1:10,000 scale.

22. Method

Five strips of photography were bridged on the Zeiss Stereoplanigraph C-8 in order to obtain pass point positions and exact scale ratios (for Strips #5 thru #13) to be used during compilation. All bridging was performed using color positives rather than glass plates.

Strip #1 (70-E(C)-8716 thru 8725) was adjusted on four triangulation stations with tie points as checks. Strip #2 (70-E(C)-8731 thru 8742) was adjusted on four triangulation stations with companion points, ties with Strips #1 and #3, and one other station as checks. Strip #3 (70-E(C)-8647 thru 8664) was adjusted on nine triangulation points with companion points, ties with Strip #2, and three additional triangulation stations as checks. Strip #5 (69-E(C)-3754 thru 3761) and Strip #6 (69-E(C)-3715 thru 3720) were both adjusted to tie points from Strip #2. Both strips were adjusted on four tie points with additional ties between the two strips as checks. All tie points between strips were averaged. All adjustments were performed on the IBM 1620. All sheets were ruled and plotted on the Coradomat.

23. Adequacy of Control

Horizontal control complied with project instructions; however, it was not adequate in the area of junction of Strips 2 and 3. Vaught RM6, 1962, due to its placement, was visible, in stereo, only on Strip #3. Office identified control provided a substitute in this area.

Although all control held within National Map Accuracy the adjustments of these strips are very weak. No attempt should be made in the future to produce 1:10,000 scale sheets from

- 2 -

the material provided for the 1:20,000 scale sheets. The two short bridges (5 and 6), which were bridged on points from 1:40,000 scale photography, seem to be adequate for the 1:10,000 scale delineation but are only as good as the bridging for the 1:20,000 scale sheets.

All strips in this project were photogrammetrically weak due to the large water areas in the models.

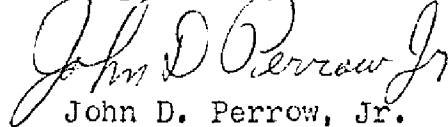
24. Supplemental Data

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

25. Photography

Photography was adequate as to overlap and definition. Coverage was adequate with the exception of a small land area in the lower right hand edge of T-12291(2).

Respectfully submitted:

  
John D. Perrow, Jr.

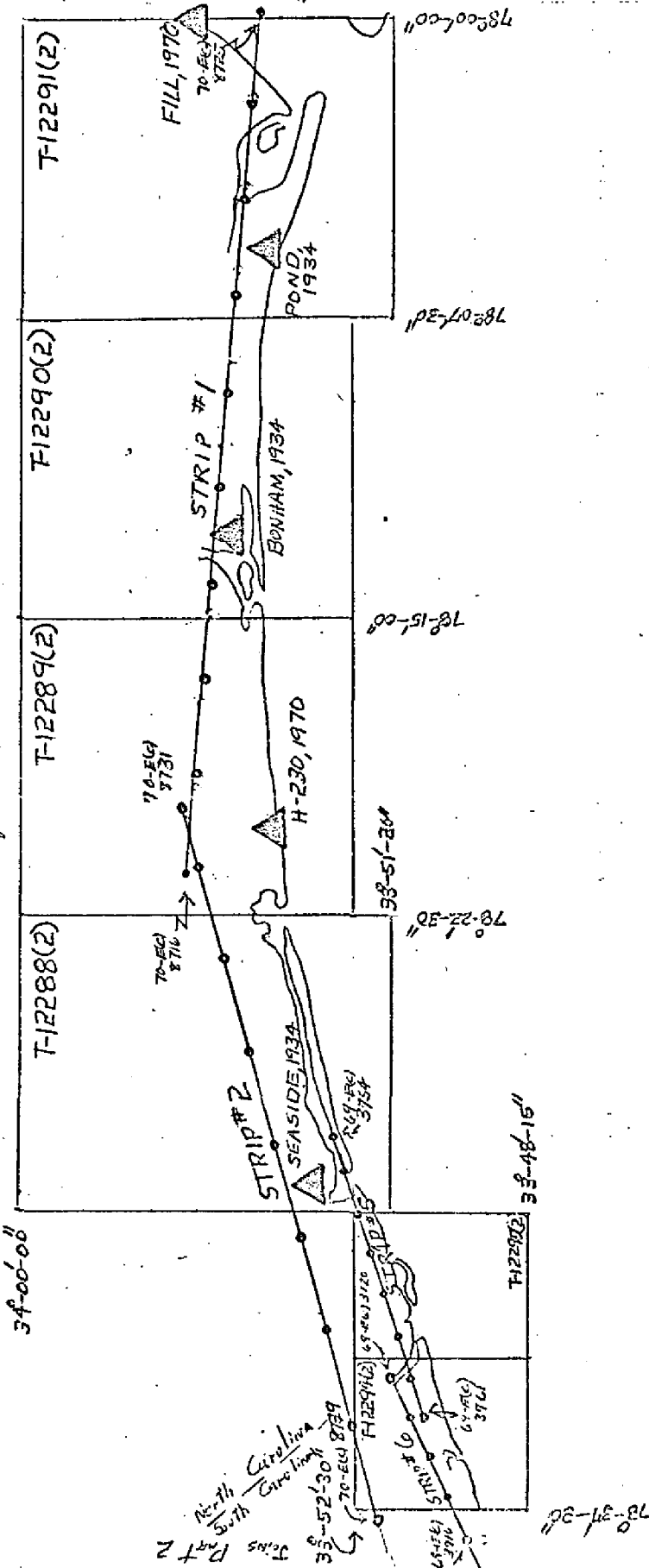
Approved and Forwarded:

  
Henry P. Eichert, Chief  
Aerotriangulation Section

JOE H-7019

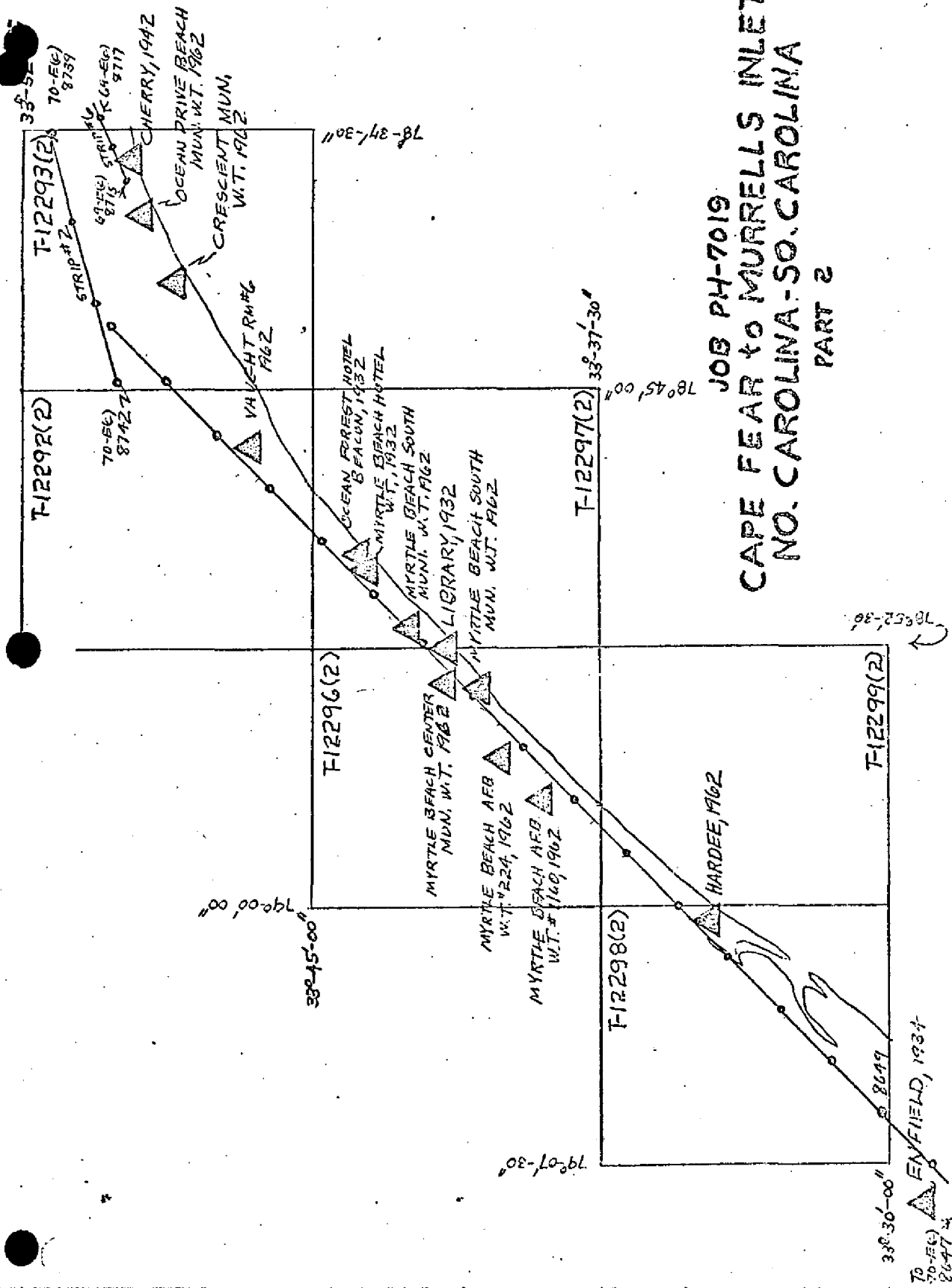
# PART I

1271



TRANS PART 1

# JOB PH-7019 CAPE FEAR TO MURRELLS INLET NO. CAROLINA-SO. CAROLINA PART 2





## COMPILATION REPORT

T-12296(2)

31. DELINEATION

The Wild B-8 plotter was used. Photographic coverage was adequate. There was no field inspection prior to compilation. The mean low water line was compiled graphically from tide controlled infrared photography. Points were transferred from the hydro support ratios to the infrared ratios for this purpose.

32. CONTROL

See "Photogrammetric Plot Report," dated September, 1971.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage was delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high-water line, low-water line and foreshore areas were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

Forms 76-40 for 10 landmarks for charting, 4 non-floating aids to navigation and 1 landmark for deletion were sent to the Rockville, Maryland office on April 7, 1975.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

See Form 76-36b, Item #5.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

41 through 45.

Not used.

46. COMPARISON WITH EXISTING MAPS

A comparison was made with U.S.G.S. Quadrangle MYRTLE BEACH, scale 1:62,500, dated 1940 and also with T-12296 of which this sheet is a revision. Numerous changes in the topography of the area were noted. These changes mostly are the results of the extensive cultural development now underway in the area.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart 1237, scale 1:80,000, 4th edition, dated September 16, 1968 and Chart 835 S.C., scale 1:40,000, 8th edition, dated March, 1971.

(a) ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

(b) ITEMS TO BE CARRIED FORWARD

None

Submitted:

*Charles H. Bishop*

for R. J. Pate  
Cartographic Technician  
February 3, 1972

Approved:

*Albert C. Rauck, Jr.*

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

## ADDENDUM TO THE COMPILATION REPORT

T-12296 (2)

FIELD EDIT

Field edit was satisfactory. No difficulty was experienced in applying it to the manuscript.

29 Sept. 1975

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

PH-7019 (Cape Fear to Murrells Inlet, N.C.)

T-12296 (2)

Atlantic Ocean

Dick Pond

Lewis Lake

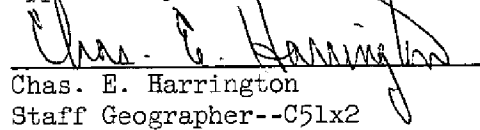
Long Bay

Midway Swash

Myrtle Beach

Withers Swash

Approved by

  
Chas. E. Harrington  
Staff Geographer--C51x2

NOAA FORM 75-74  
(2-74)U.S. DEPARTMENT OF COMMERCE  
NOAA  
NATIONAL OCEAN SURVEYPHOTOGRAMMETRIC OFFICE REVIEW  
T.12296 (2)

1. PROJECTION AND GRIDS ALS	2. TITLE ALS	3. MANUSCRIPT NUMBERS ALS	4. MANUSCRIPT SIZE ALS
<b>CONTROL STATIONS</b>			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY ALS	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) XX		7. PHOTO HYDRO STATIONS XX
8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT ALS	11. DETAIL POINTS ALS
<b>ALONGSHORE AREAS (Nautical Chart Data)</b>			
12. SHORELINE ALS	13. LOW-WATER LINE ALS	14. ROCKS, SHOALS, ETC. XX	15. BRIDGES ALS
16. AIDS TO NAVIGATION ALS	17. LANDMARKS ALS	18. OTHER ALONGSHORE PHYSICAL FEATURES ALS	19. OTHER ALONGSHORE CULTURAL FEATURES ALS
<b>PHYSICAL FEATURES</b>			
20. WATER FEATURES ALS	21. NATURAL GROUND COVER XX		22. PLANETABLE CONTOURS NA
23. STEREOSCOPIC INSTRUMENT CONTOURS NA	24. CONTOURS IN GENERAL NA	25. SPOT ELEVATIONS NA	26. OTHER PHYSICAL FEATURES ALS
<b>CULTURAL FEATURES</b>			
27. ROADS ALS	28. BUILDINGS ALS	29. RAILROADS X X	30. OTHER CULTURAL FEATURES ALS
<b>BOUNDARIES</b>			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
<b>MISCELLANEOUS</b>			
33. GEOGRAPHIC NAMES ALS	34. JUNCTIONS ALS		35. LEGIBILITY OF THE MANUSCRIPT ALS
36. DISCREPANCY OVERLAY ALS	37. DESCRIPTIVE REPORT ALS	38. FIELD INSPECTION PHOTOGRAPHS XX	39. FORMS ALS
40. REVIEWER Compilation: Arnold L. Shands		SUPERVISOR, REVIEW SECTION OR UNIT 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 Irene Perkinson Reviewer: Frank Margiotta		SUPERVISOR Albert C. Rauck, Jr.	
43. REMARKS Field edit was applied from: Field Edit Ozalid, Film Ozalid, and Photos 69E(C) 3767, 3768, 3770.			

Field Edit Report for T-12296 (2)51. METHODS

The manuscript was inspected by truck and all questions are answered on the Field Edit Ozalid. No measurements were taken to the shoreline because in a phone call to Atlantic Marine Center, it was stated that the shoreline would be mapped as of the date of photography. Field edit data will be found on the field edit ozalid, cronaflex and photographs.

52. ACCURACY OF COMPILATION

The compilation will be complete and adequate when field edit is applied.

53. MAP ACCURACY

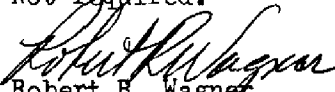
No test required.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Not required.

  
Robert H. Wagner  
Chief, Photo Party 60

Replaces C&amp;GS Form 567.

## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

### ORIGINATING ACTIVITY

- ☐ HYDROGRAPHIC PARTY  
☐ GEODETIC PARTY  
☐ PHOTO FIELD PARTY  
☐ COMPILATION ACTIVITY  
☐ **XX** FINAL REVIEWER  
☐ QUALITY CONTROL & REVIEW GRP.  
☐ COAST PILOT BRANCH  
*(See reverse for responsible personnel)*

REPORTING UNIT

Field Party, Ship or Office)

Coastal Mapping Div

(Marfall)

STATE

South Carolina

**LOCALITY**

## Cape Fear to Murrells

Table 1

DATE

Feb 1976

The following objects HAVE ☐ HAVE NOT ☐ been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.

437

DATE	JOB NUMBER	DESCRIPTION	AMOUNT	STATUS
10/15/2023	101	PAID	100.00	PAID
10/15/2023	102	PAID	100.00	PAID
10/15/2023	103	PAID	100.00	PAID
10/15/2023	104	PAID	100.00	PAID
10/15/2023	105	PAID	100.00	PAID
10/15/2023	106	PAID	100.00	PAID
10/15/2023	107	PAID	100.00	PAID
10/15/2023	108	PAID	100.00	PAID
10/15/2023	109	PAID	100.00	PAID
10/15/2023	110	PAID	100.00	PAID
10/15/2023	111	PAID	100.00	PAID
10/15/2023	112	PAID	100.00	PAID
10/15/2023	113	PAID	100.00	PAID
10/15/2023	114	PAID	100.00	PAID
10/15/2023	115	PAID	100.00	PAID
10/15/2023	116	PAID	100.00	PAID
10/15/2023	117	PAID	100.00	PAID
10/15/2023	118	PAID	100.00	PAID
10/15/2023	119	PAID	100.00	PAID
10/15/2023	120	PAID	100.00	PAID
10/15/2023	121	PAID	100.00	PAID
10/15/2023	122	PAID	100.00	PAID
10/15/2023	123	PAID	100.00	PAID
10/15/2023	124	PAID	100.00	PAID
10/15/2023	125	PAID	100.00	PAID
10/15/2023	126	PAID	100.00	PAID
10/15/2023	127	PAID	100.00	PAID
10/15/2023	128	PAID	100.00	PAID
10/15/2023	129	PAID	100.00	PAID
10/15/2023	130	PAID	100.00	PAID
10/15/2023	131	PAID	100.00	PAID
10/15/2023	132	PAID	100.00	PAID
10/15/2023	133	PAID	100.00	PAID
10/15/2023	134	PAID	100.00	PAID
10/15/2023	135	PAID	100.00	PAID
10/15/2023	136	PAID	100.00	PAID
10/15/2023	137	PAID	100.00	PAID
10/15/2023	138	PAID	100.00	PAID
10/15/2023	139	PAID	100.00	PAID
10/15/2023	140	PAID	100.00	PAID
10/15/2023	141	PAID	100.00	PAID
10/15/2023	142	PAID	100.00	PAID
10/15/2023	143	PAID	100.00	PAID
10/15/2023	144	PAID	100.00	PAID
10/15/2023	145	PAID	100.00	PAID
10/15/2023	146	PAID	100.00	PAID
10/15/2023	147	PAID	100.00	PAID
10/15/2023	148	PAID	100.00	PAID
10/15/2023	149	PAID	100.00	PAID
10/15/2023	150	PAID	100.00	PAID
10/15/2023	151	PAID	100.00	PAID
10/15/2023	152	PAID	100.00	PAID
10/15/2023	153	PAID	100.00	PAID
10/15/2023	154	PAID	100.00	PAID
10/15/2023	155	PAID	100.00	PAID
10/15/2023	156	PAID	100.00	PAID
10/15/2023	157	PAID	100.00	PAID
10/15/2023	158	PAID	100.00	PAID
10/15/2023	159	PAID	100.00	PAID
10/15/2023	160	PAID	100.00	PAID
10/15/2023	161	PAID	100.00	PAID
10/15/2023	162	PAID	100.00	PAID
10/15/2023	163	PAID	100.00	PAID
10/15/2023	164	PAID	100.00	PAID
10/15/2023	165	PAID	100.00	PAID
10/15/2023	166	PAID	100.00	PAID
10/15/2023	167	PAID	100.00	PAID
10/15/2023</				

PH-7079

**EXPERIMENTAL SURVEY NUMBER**

T-12296(2)

[illegible]

N.A. 1927

POSITION

DESCRIPTION

DESCRIPTION  
(Record reason for deletion of landmark or aid to navigation.  
Show triangulation station names, where applicable, in parenthesis.)

1

350 PM 11

---

1

0 P Meters

30N-

0 P A

# W. J. O.

53

---

Myrtle Beach Radio Station  
WMYB Ht. = 315 (324) ft.

CHARTING  
NAME

R TR  
(WMB)

**METHOD AND DATE OF LOCATION**  
(See instructions on reverse side)

FIELD

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CHARTS  
AFFECTED

18

orig. to charts  
4/7/75

NOAA FORM 76-40 (8-74) Replaces CGCS Form 567.										U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION									
CHONE-CAITINGAID-IGOR LANDMARKS FOR CHARTS										ORIGINATING ACTIVITY									
<input checked="" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED										<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)									
REPORTING UNIT Coastal Mapping Div. ANO- Norfolk, Va.										LOCALITY Cape Fear to Murrells Inlet									
STATE South Carolina										DATE Mar. 1975									
JOB NUMBER Ph-7019										SURVEY NUMBER T-12296(2)									
CHARTING NAME 437										DATUM N.A. 1927									
DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)										POSITION									
										LATITUDE					LONGITUDE				
										° / ' " D.M. Metres					° / ' " D.P. Metres				
TOWER	Space Needle. Ht.=175(196) ✓									33-41	32.04	78-52	58.01	1494			F-3-6-L May 24, 1974	1237	
TANK	(Myrtle Beach, South Municipal Water Tank, 1962) Ht.=134(154)									33-40	42.678	78-54	09.637	248.2			Triang. Rec. May 24, 1974	"	
SPIRE	Baptist Church Spire. Ht.=107(127) ✓									33-41	20.16	78-53	17.01	438			F-3-6-L May 24, 1974	"	
SPIRE	Presbyterian Church Spire. Ht.=98(119) ✓									33-41	48.04	78-52	41.47	1068			F-3-6-L May 24, 1974	"	
TANK	(Myrtle Beach, Center Municipal Water Tank, 1962) Ht.=137(157) ✓									33-41	47.518	78-53	03.644	93.8			Triang. Rec. May 24, 1974	"	
TV TOWER	Cable TV Tower. Ht.=224(251) ✓									33-42	13.15	78-52	36.23	933			V-Vis. May 24, 1974 69E(C) 3766	"	
TANK	15th Ave. Tank. Ht.=131(158) ✓									33-42	09.96	78-52	39.65	1021			F-3-6-L May 24, 1974	"	
TOWER	G.T.E. Tower. Ht.=196(221) ✓									33-41	56.31	78-53	09.94	256			F-3-6-L May 24, 1974	"	
TANK	(Myrtle Beach, Air Force Base, Water Tank, No. 1160, 1962) Ht.=134(154) ✓									33-39	25.710	78-56	42.495	1094.9			Triang. Rec. May 23, 1974	"	
TANK	(Myrtle Beach, Air Force Base, Water Tank, No. 224, 1962) Ht.=137(157) ✓									33-40	07.249	78-56	20.389	525.3			Triang. Rec. May 23, 1974	"	





REVIEW REPORT T-12296(2).  
SHORELINE

February 10, 1976

61. GENERAL STATEMENT:

This map is a resurvey of T-12296. See Summary which is page 6 of this Descriptive Report.

A comparison print showing differences with nautical charts is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Survey T-12296, 1:20,000 scale, dated 1965. No significant differences were noted.

In the area compared, T-12296(2) supersedes T-12296 for nautical chart construction purposes. T-12296 is the latest registered prior survey of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with U.S.G.S. Quadrangle MYRTLE BEACH, S.C., 1:62,500 scale, dated 1940. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with verified copies of the smooth sheets for Surveys H-9289 (MI-20-1-72) and H-9290 (MI-20-2-72). A new pier, not shown on H-9289, is located at Latitude 33° 39.6', Longitude 78° 55'. No other significant differences were noted.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 11534, 1:40,000 scale, 12th edition, dated March 1975; and with Chart 11535, 1:80,000 scale, 6th edition, dated January 18, 1975. No significant shoreline differences were noted. Other differences (piers and landmarks) are shown in red on the comparison print.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted:

*Charles H. Bishop*

Charles H. Bishop  
Cartographer  
February 10, 1976

Approved for forwarding:

*Albert C. Rauck, Jr.*

Albert C. Rauck, Jr.  
Acting Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

MYRTLE BEACH AIR FORCE  
WATER TANK NO 1160 1962  
ht=134(154)

BOURBON 1962  
SC HWY 73

Midway Swash

New pier not  
on H-9289

NORTH LIGHT (Priv Aid)  
SOUTH LIGHT (Priv Aid)

69-E(C)-3770

Parking

Bldg on  
Pier

Charted piers not visible on  
photos, not located by F.E.

69E(C) 3771

### COMPARISON PRINT

Red = Chart 11535  
Purple = H-9289

T-12296 (2)  
1:20,000

#### NOTE:

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

56'

x=2,630,000Ft.

78°55'

33°37'30"

78°5

#### LEGEND

Paved road

- △ Recoverable horizontal control station of third-order or higher accuracy
- Recoverable horizontal control station of less than third-order accuracy
- ..... Approximate mean lower low-water line

The light shoreline defines the outer limits of vegetation visible above approximate mean high water.

The heavy shoreline defines the approximate mean high water.

Compiled by photogrammetric methods, from aerial photographs

Date of Photography Dec. 1969 1970

Date of Field Inspection None

Date of Field Edit May 1974

Date of Final Compilation March 1975

Date of Final Review Feb. 1976

MYRTLE BEACH AIR FORCE  
WATER TANK NO 1160 1962  
ht=134 (154)

BOURBON 1962

SC HWY 73

Midway Swash

New pier not  
on H-9289

NORTH LIGHT (Priv Aid)  
SOUTH LIGHT (Priv Aid)

69-E(C)-3770

Parking

Bldg on  
Pier

Charted piers not visible on  
photos, not located by F.E.

39'

ATLANTIC

# COMPARISON PRINT

Red = Chart 11535

Purple = H-9289

T-12296 (2)

1:20,000

33°38'

## NOTE:

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

56'

x=2,630,000 Ft.

78°55'

33°37'30"

78°

## LEGEND

Paved road

- △ Recoverable horizontal control station of third-order or higher accuracy
- Recoverable horizontal control station of less than third-order accuracy
- Approximate mean lower low water line

The light shoreline defines the outer limits of vegetation visible above  
approximate mean high water.

The heavy shoreline defines the approximate mean high water.

Compiled by photogrammetric methods, from aerial photographs

Date of Photography Dec. 1969 1970

Date of Field Inspection None

Date of Field Edit May 1974

Date of Final Compilation March 1975

Date of Final Review Feb. 1976