

TP-00679

TP-00679

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.	GM-7218
Map No.	TP-00679
Classification No.	Field Edited Map
Edition No.	1
LOCALITY	
State	North Carolina
General Locality	Lower Cape Fear River
Locality	Peters Point
<hr/> 19 ⁷ / ₂ TO 19 75 <hr/>	
REGISTRY IN ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

- ORIGINAL
 RESURVEY
 REVISED

MAP EDITION NO. (1)
MAP CLASS Final(F.E.)
JOB ~~XXXX~~ CM-7218

PHOTOGRAMMETRIC OFFICE

Coastal Mapping Division, Norfolk, VA

OFFICER-IN-CHARGE

Jeffrey G. Carlen, CDR.

LAST PRECEDING MAP EDITION

- TYPE OF SURVEY
 ORIGINAL
 RESURVEY
 REVISED

JOB PH. _____
MAP CLASS _____
SURVEY DATES:
19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE

2. FIELD

Part I
Compilation Feb. 27, 1973

Part II
Aerotriangulation Mar. 7, 1974
Compilation Jul. 15, 1974

Oct. 5, 1973

II. DATUMS

1. HORIZONTAL: 1927 NORTH AMERICAN

OTHER (Specify)

2. VERTICAL: MEAN HIGH-WATER
 MEAN LOW-WATER
 MEAN LOWER LOW-WATER
 MEAN SEA LEVEL

OTHER (Specify)

3. MAP PROJECTION

Polyconic

4. GRID(S)

STATE
North Carolina

ZONE

5. SCALE

1:10,000

STATE

ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS	NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic BY LANDMARKS AND AIDS BY	M. McGinley	None
2. CONTROL AND BRIDGE POINTS METHOD: Calcomp. PLOTTED BY CHECKED BY	R. Robertson R. Robertson	Jul., 1974 Jul., 1974
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:15,000 PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY	R.R. White J.R. Minton NA NA	Sep., 1974 Sep., 1974
4. MANUSCRIPT DELINEATION METHOD: Smooth ink drafted SCALE: 1:10,000 PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY HYDRO SUPPORT DATA BY CHECKED BY	I.K. Perkinson L.O. Neterer, Jr. NA NA NA NA	Oct., 1974 Oct., 1974
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	L.O. Neterer, Jr.	Oct., 1974
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY	Charles Parker A.L. Shands	Apr., 1975 May, 1975
7. COMPILATION SECTION REVIEW BY	A.L. Shands	May, 1975
8. FINAL REVIEW BY	Billy H. Barnes	July, 1976
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	S. BLANKENBAKER	SEPT 1976
11. MAP REGISTERED - COASTAL SURVEY SECTION BY	R. T. CATDK	SEP 1976

TP-00679
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10 "C"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE CHARLESTON, S.C. <input checked="" type="checkbox"/> PREDICTED TIDES (Southport, N.C.) <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR <input checked="" type="checkbox"/> (P) PANCHROMATIC (I) INFRARED <input checked="" type="checkbox"/>	ZONE Eastern		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
				MERIDIAN 75th	

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
* 73C(C)4522(I) - 4525(I)	12 OCT 73	09:10	1:30,000	4.3 ft. above MLW
** 73C(C)4811(I) - 4813(I)	15 OCT 73	12:00	1:30,000	+0.2 ft. of MHW
** 73C(C)6073(I) - 6075(I)	10 NOV 73	13:04	1:30,000	+0.2 ft. of MLW

REMARKS
 *Bridge and compilation photos. times of MH.
 **This "tide co-ordinated" photography is based on predicted and ML waters

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled graphically from office interpretation of the tide coordinated infrared photographs listed in 1 above.

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

The mean low water line was compiled graphically from office interpretation of the tide coordinated infrared photographs listed in 1 above.

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 TP-00677	EAST CM-7219 TP-00704	SOUTH CM-7219 TP-00704	WEST TP-00678
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REMARKS

TP-00679
HISTORY OF FIELD OPERATIONS

I. FIELD INSPECTION OPERATION FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	George W. Jamerson	Feb., 1975
2. HORIZONTAL CONTROL RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	George W. Jamerson	Feb., 1975
	NA	
	NA	
3. VERTICAL CONTROL RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA	
	NA	
	NA	
4. LANDMARKS AND AIDS TO NAVIGATION RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	George W. Jamerson	Feb., 1975
	George W. Jamerson	Feb., 1975
	George W. Jamerson	Feb., 1975
5. GEOGRAPHIC NAMES INVESTIGATION TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY BY <input checked="" type="checkbox"/> NO INVESTIGATION	NA	
6. PHOTO INSPECTION CLARIFICATION OF DETAILS BY	George W. Jamerson	Feb., 1975
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

3. PHOTO NUMBERS (Clarification of details) FIELD EDIT
730 6073

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
4 Landmarks; 3 verified - 1 located

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: REPORT NONE

6. BOUNDARY AND LIMITS: REPORT NONE

7. SUPPLEMENTAL MAPS AND PLANS
1 - Film ozalid - no notes

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)
1 - Form 76-40
6 - Form 526

TP-00679
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	23 OCT 74	Class III Manuscript Superseded	4/13/75	11/13/74
Compilation complete Field edit applied	APR. 1975	Class I Map Superseded	5/9/75	
Final Review	JUL. 1976			

II. LANDMARKS AND AIDS TO NAVIGATION

I. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		5/12/75	Landmark for Charts

2. REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 5/12/75
 3. REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

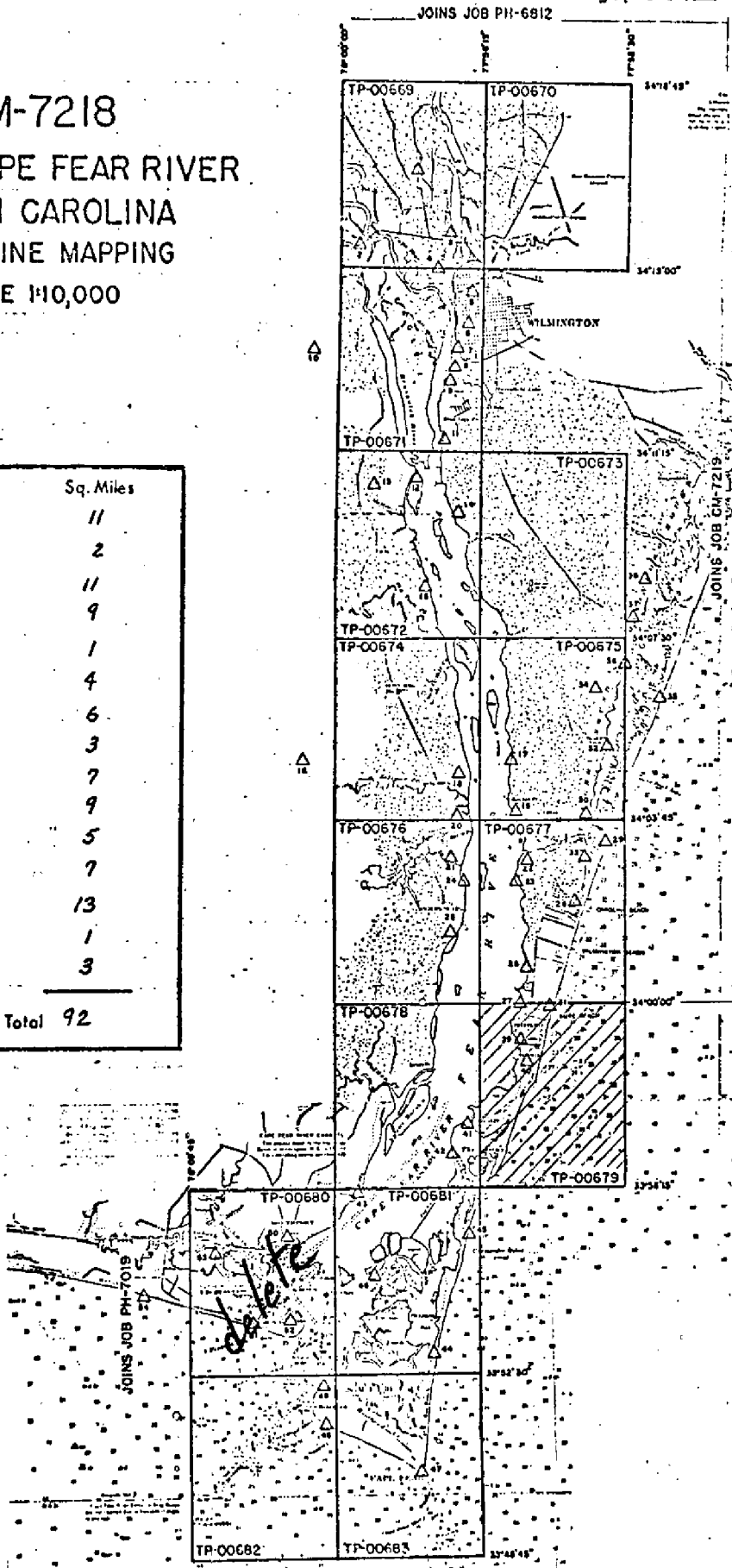
1. BRIDGING PHOTOGRAPHS; DUPLICATE BRIDGING REPORT; COMPUTER READOUTS.
 2. CONTROL STATION IDENTIFICATION CARDS; FORM NOS ⁷⁶⁻⁴⁰ ~~389~~ SUBMITTED BY FIELD PARTIES.
 3. SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS: _____
 4. DATA TO 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	

CM-7218
 LOWER CAPE FEAR RIVER
 NORTH CAROLINA
 SHORELINE MAPPING
 SCALE 1:10,000

Sheet No.	Sq. Miles
TP-00 669	11
TP-00 670	2
TP-00 671	11
TP-00 672	9
TP-00 673	1
TP-00 674	4
TP-00 675	6
TP-00 676	3
TP-00 677	7
TP-00 678	9
TP-00 679	5
TP-00 680	7
TP-00 681	13
TP-00 682	1
TP-00 683	3
Total 92	



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT TP-00679

This shoreline manuscript is one of fourteen 1:10,000 scale maps which comprise Parts I and II of Project CM-7218, Lower Cape Fear River, North Carolina. This map is in Part II. It falls within the limits of TP-00704, CM-7219 which is a part of the Southern Coastal Plains Expedition or SCOPE Project. The area from latitude $33^{\circ} 56' 15''$ to $33^{\circ} 58' 00''$ was photo-reduced and the shoreline used on the final reviewed map TP-00704 at a scale of 1:20,000.

Field work prior to compilation consisted of recovery and premarking horizontal control required for bridging.

Analytic aerotriangulation for Part II was done in the Rockville Office in 1974 using the 1:30,000 scale, color, infrared, bridging photography dated October 1973. Bridge points were dropped for ordering 1:10,000 scale ratios.

Compilation was done at the Atlantic Marine Center in September and October 1974 using the 1:30,000 scale bridging photography for inshore details and the "tide co-ordinated" (see 76-36b Item 1) photographs for the mean high and mean low water lines.

Field edit was done in February 1975.

Final review was done at the Atlantic Marine Center in July 1976.

The original manuscript is a stabilene sheet 3 minutes 45 seconds in latitude by 3 minutes 45 seconds in longitude.

A stable base copy and a negative of the final reviewed manuscript were forwarded for record and registry.

PHOTOGRAMMETRIC PLOT REPORT
Job CM-7218
Lower Cape Fear River
North Carolina

21. Area Covered

This project covers the lower portion of the Cape Fear River, from just north of Wilmington, North Carolina, to the mouth of the river. Included are eleven T-sheets (TP-00669 thru TP-00679). All sheets are 1:10,000 scale.

22. Method

Two strips of color IR photography were bridged on the Wild STK 1 in order to obtain pass point positions and exact scale ratios to be used during compilation.

Strip 1 (west strip) was adjusted on five triangulation stations and one tie point from Strip 2 (east strip) with two additional triangulation stations as checks. Strip 2 was adjusted on five triangulation stations and one tie point from Strip 1 with three additional triangulation stations as checks. Twenty-three tie points also provided checks between the two strips. Both adjustments were performed on the IBM 6600. All sheets were ruled and plotted on the Coradomat.

1:10,000 scale ratios were ordered.

Horizontal Control held within National Map Accuracy.

24. Supplemental Data

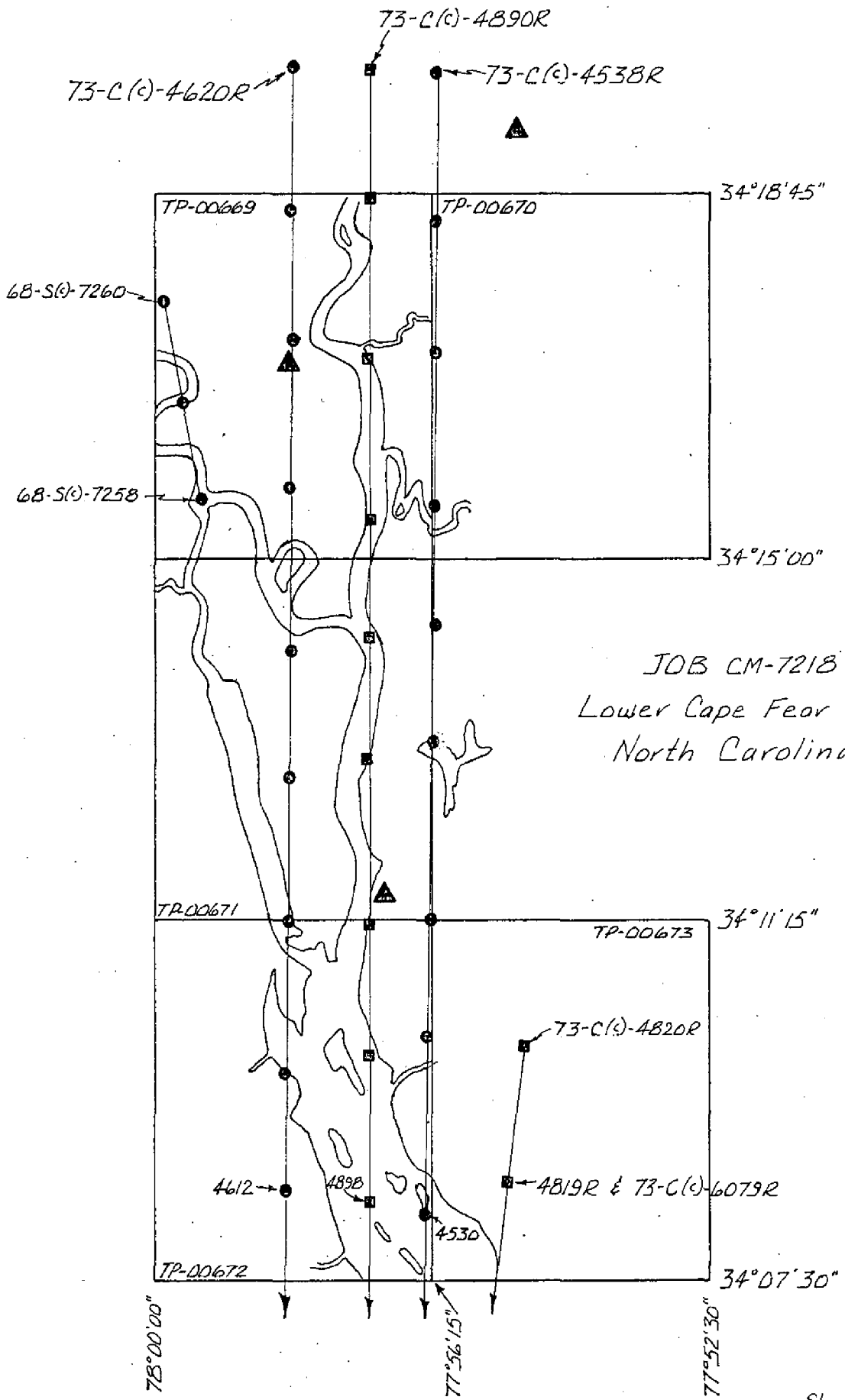
Vertical control, for bridging only, was obtained from local USGS quads.

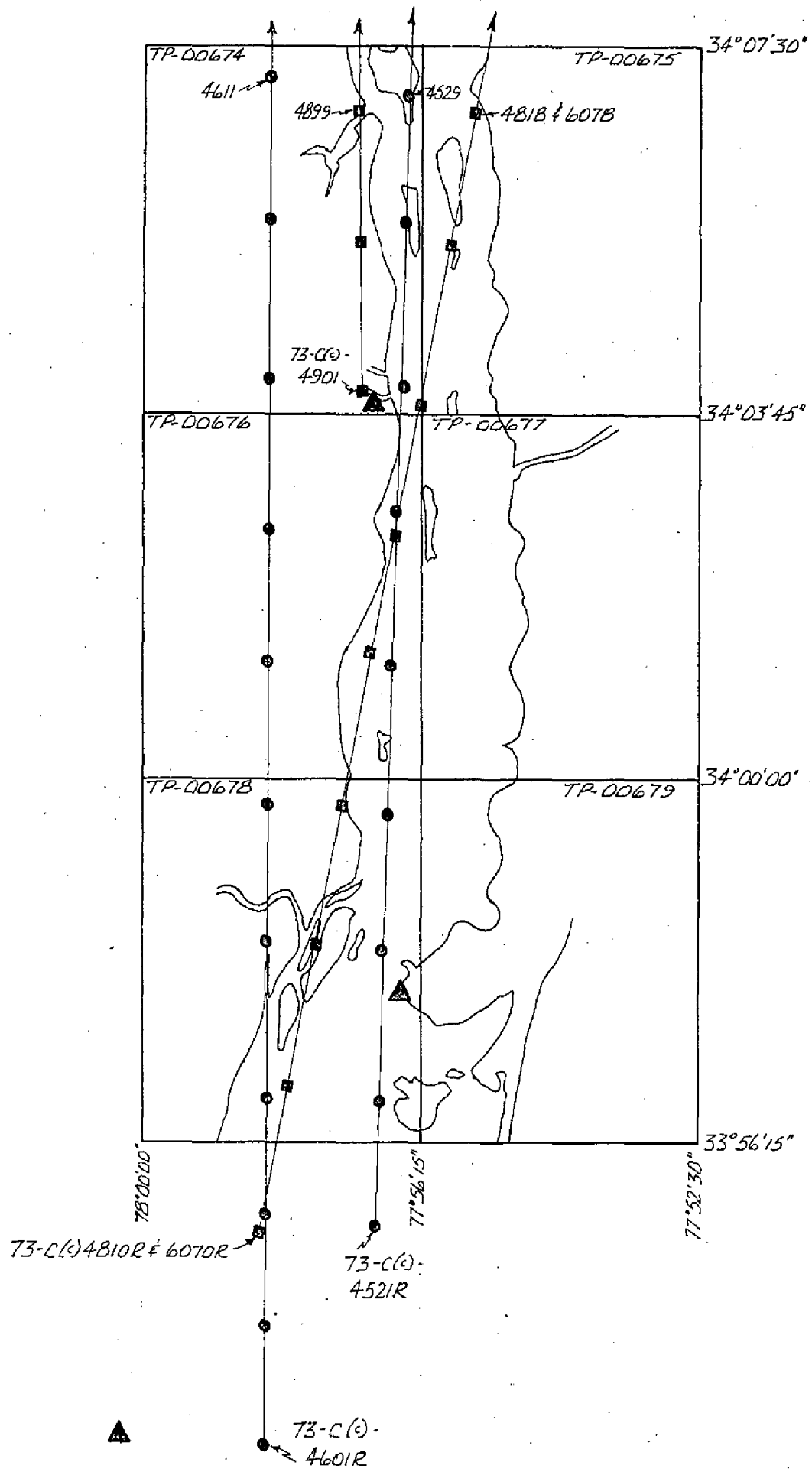
25. Photography

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





Notes to Compiler

Photo-image points were located during bridging to be used if required, for controlling stereo models 68S(C)7258/59 and 7259/60. These photos cover the river in the western portion of sheet TP-00669.

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-00679	JOB NO. CM-7218	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS		
					STATE	ZONE	North	Carolina	φ	λ	Latitude
		KURE BEACH MUNICIPAL WATER TANK, 1962	G.P. Vol. III Pg. 2849		x=	φ 33	59	56.08039	✓	1727.9	(120.8)
					y=	λ 77	54	26.04414	✓	668.4	(871.4)
		FORT FISHER, U.S. AIR FORCE, EAST RADAR TOWER, 1962	G.P. Vol. III Pg. 2850		x=	φ 33	58	49.03090	✓	1510.7	(338.0)
					y=	λ 77	54	59.23048	✓	1520.4	(19.8)
		FORT FISHER, U.S. AIR FORCE, WEST RADAR TOWER, 1962	G.P. Vol. III Pg. 2850		x=	φ 33	58	48.60941	✓	1497.7	(350.9)
					y=	λ 77	55	03.16986	✓	81.4	(1458.8)
					x=	φ					
					y=	λ					
					x=	φ					
					y=	λ					
					x=	φ					
					y=	λ					
					x=	φ					
					y=	λ					
					x=	φ					
					y=	λ					
					x=	φ					
					y=	λ					
COMPUTED BY	A.C. Rauck, Jr.	COMPUTATION CHECKED BY		Frank Margiotta	DATE	8/5/74		DATE		8/7/74	
LISTED BY		LISTING CHECKED BY			DATE			DATE			
HAND PLOTTING BY		HAND PLOTTING CHECKED BY			DATE			DATE			

COMPILATION REPORT

TP-00679

31. DELINEATION

Delineation was by the Wild B-8 stereoplotter. The mean high and mean low water lines were compiled graphically using control established from the B-8 models and the "tide controlled" photography supplied for that purpose. There was no field inspection prior to compilation. The "tide coordinated" photography was flown at predicted mean high and mean low waters.

32. CONTROL

See the attached Photogrammetric Plot Report, not dated.

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 and mean low water lines were delineated from the "tide coordinated" photographs.

36. OFFSHORE DETAILS

The coverage and quality of the photography was sufficient to allow the accurate delineation of one island in the N.W. corner of the manuscript.

37. LANDMARKS AND AIDS

Preliminary Forms 76-40, Nonfloating Aids or Landmarks for Charts, were prepared by the Compilation Office and forwarded to

the Field Editor and/or the Hydrographer for verification, location, or deletion.

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: KURE BEACH, N.C., scale 1:24,000, dated 1970.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey Chart: No. 11247(426), scale 1:40,000, 13th edition, dated April 20, 1974.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

Irene K. Perkinson
Irene K. Perkinson
Carto. Tech., October 25, 1974

Approved:

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

ADDENDUM TO THE COMPILATION REPORT

TP-00679

FIELD EDIT

Field edit was adequate.

2 Oct. 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7218 (Lower Cape Fear River, N.C.)

TP-00679

Cape Fear River

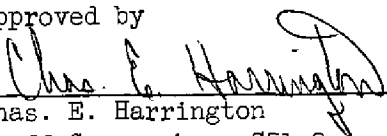
Federal Point

Military Ocean Terminal - Sunny Point

Peters Point

The Basin

Approved by


Chas. E. Harrington

Staff Geographer--C51x2

NOAA FORM 75-74 (7-75)		PHOTOGRAMMETRIC OFFICE REVIEW		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY	
TP - 00679					
1. PROJECTION AND GRIDS LON		2. TITLE LON		3. MANUSCRIPT NUMBERS LON	
4. MANUSCRIPT SIZE LON					
CONTROL STATIONS					
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY LON			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 X X		10. PHOTOGRAMMETRIC PLOT REPORT LON Not Dated	
11. DETAIL POINTS LON					
ALONGSHORE AREAS (Nautical Chart Data)					
12. SHORELINE LON		13. LOW-WATER LINE LON		14. ROCKS, SHOALS, ETC. LON	
15. BRIDGES X X					
16. AIDS TO NAVIGATION X X		17. LANDMARKS X X		18. OTHER ALONGSHORE PHYSICAL FEATURES LON	
19. OTHER ALONGSHORE CULTURAL FEATURES X X					
PHYSICAL FEATURES					
20. WATER FEATURES LON			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 LON					
CULTURAL FEATURES					
27. ROADS LON		28. BUILDINGS X X		29. RAILROADS X X	
30. OTHER CULTURAL FEATURES X X					
BOUNDARIES					
31. BOUNDARY LINES NA			32. PUBLIC LAND LINES NA		
MISCELLANEOUS					
33. GEOGRAPHIC NAMES LON			34. JUNCTIONS LON		35. LEGIBILITY OF THE MANUSCRIPT LON
36. DISCREPANCY OVERLAY LON		37. DESCRIPTIVE REPORT LON		38. FIELD INSPECTION PHOTOGRAPHS X X	
39. FORMS LON					
40. REVIEWER Lowell O. Neterer, Jr. 10/29/74			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 Charles Parker 4/2/75			SUPERVISOR Albert C. Rauck, Jr.		
Reviewer: A.L. Shands 5/6/75					
43. REMARKS					

FIELD EDIT REPORT
JOB CM 7218
LOWER CAPE FEAR RIVER
MAPS TP-00678 and TP-00679

52. Adequacy of Compilation

Compilation was adequate. The MHWL was accepted as compiled according to instructions received from the Chief, Coastal mapping Division, dated May 28, 1974. Lt. George W. Jamerson performed the field edit on these two maps. The writer of this report made no attempt at "second guessing". No significant shoreline changes were noted during the field edit. Three submerged "pipes", probably drains or outfalls were overlooked on sheet TP-00679. They are readily visible on photo 7306073 and were so indicated on the field edit ozalid. Several piling were omitted from sheet TP-00678. Eleven of them were visible on the photographs. They were indicated on the field edit ozalid and cross-referenced to the appropriate photograph. The remainder were located by sextant fix and were listed in a sketch book mentioned under side heading 52 in the field edit report for maps TP-00672 and TP-00673. The large wharf on TP-00678 is known as "South Wharf". It is part of Sunny Point Military Ocean Terminal and is in a restricted area. There is nothing else worthy of note on these maps.

54. Recommendations

See the report for maps TP-00674 and TP-00675.

56. Landmarks and Non-Floating Aids to Navigation

There are five landmarks on these maps. One of them, a stack, at the Carolina Power and Light Company nuclear power plant in the southwest corner of TP-00678 was located during field edit on Job PH-7019. Nothing further was done with it during this field edit. The remaining four landmarks are on TP-00679. Two of them, the Fort Fisher Radar Domes, were taken care of during the field edit on CM-7219. Of the remaining two, one was correctly compiled and was entered on Form 76-40 as "triangulation recovered". The other landmark, a microwave tower, was not extant at the time of photography. It was located by ground control methods and was entered on Form 76-40 as "F. 3 A."

There are no fixed aids for navigation on Map TP-00679. There are seven fixed aids to navigation on TP-00678. Six of them were correctly compiled and were entered on the Form 76-40 furnished by compilation as "position verified". The remaining aid, Sunny Point Terminal Light 3, was correctly compiled, but was erroneously labeled "pipe" on the manuscript. The light was correctly labeled on the field edit ozalid and was entered on Form 76-40 as "position verified".

57. Rocks, Reefs and Shoals

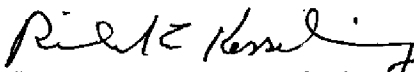
There are no rocks or reefs, as defined, on either of these maps. There are numerous shoals and shallow areas. As hydrography was being run nearly concurrent with the field edit, no effort was made to delineate or confirm any of them, except where specifically questioned. For shoals and shallows see the current hydrography.

58. Photography

Photography consisted of 1:10,000 ratio office prepared prints of color infrared photographs. The photography was good.

59. Disposition of Data

The field edit ozalids, the film ozalids, the color photography and all pertinent field edit data were forwarded to the Director, Atlantic Marine Center for proper dissemination.


Richard E. Kesselring
Surveying Technician
Photo Party 62

orig. to charts
5/9/75

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION		ORIGINATING ACTIVITY	
LANDMARKS FOR CHARTS			LOCALITY	DATE	<input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> PHOTO FIELD PARTY <input checked="" type="checkbox"/> COMPILATION ACTIVITY <input type="checkbox"/> FINAL REVIEWER <input type="checkbox"/> QUALITY CONTROL & REVIEW GRP. <input type="checkbox"/> COAST PILOT BRANCH <i>(See reverse for responsible personnel)</i>
REPORTING UNIT (Field Party, Ship or Office)	STATE		Lower Cape Fear River	Apr. 1975	
The following objects <input checked="" type="checkbox"/> HAVE <input type="checkbox"/> NOT <input type="checkbox"/> been inspected from seaward to determine their value as landmarks. OPR PROJECT NO.		DATUM		METHOD AND DATE OF LOCATION <i>(See instructions on reverse side)</i>	CHARTS AFFECTED
COASTAL MAPPING DIV. AMC - Norfolk, Va.		N.A. 1927			
JOB NUMBER CM-7218 SURVEY NUMBER TP-00679		POSITION DATUM			
CHARTING NAME	DESCRIPTION <i>(Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)</i>	LATITUDE		LONGITUDE	
		D.M. Meters	° / ' "	D.P. Meters	° / ' "
MICRO TOWER	Ht. = 165 (175)	33-59	77-54	37.368	1235 8350 426
					19

218 218

REVIEW REPORT TP-00679

SHORELINE

July 1976

61. GENERAL STATEMENT:

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

The term "tide-coordinated" is loosely used with this project. Photography was flown at mean high water and mean low water based on predicted tides - not based on staff readings, as is generally thought of when "tide-coordinated" is used. The word "predicted" is used in the remarks column on Form 76-15, Photographic Flight Report, for the 1973 photography, which is referred to in the project instructions as being tide coordinated.

A comparison print showing differences noted in paragraph 65 is included with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with T-8196, scale 1:20,000, dated 1944. No significant differences were noted. T-8196 is the latest registered prior survey of the area. In the area compared, TP-00679 supersedes T-8196 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. Quadrangle KURE BEACH, N.C., scale 1:24,000, dated 1970. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the preliminary boat sheet H-9501(AHP-10-2-75), scale 1:10,000, dated 1975. No significant differences were noted.

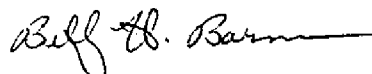
65. COMPARISON WITH NAUTICAL CHARTS:

The area covered by this map lies within the limits of NOAA-NOS Chart 11537(426), scale 1:40,000, 15th edition, dated April 3, 1976. A sewer line north of Peters Point and a row of submerged piling at latitude 33° 58.4' longitude 77° 56.1' shown on the chart could not be seen on the photographs. These differences are shown in red on the comparison print.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Project Instructions (See Summary and Section 61 of this report), meets the requirements for Bureau Standards, and National Standards of Map Accuracy.

Reviewed by:



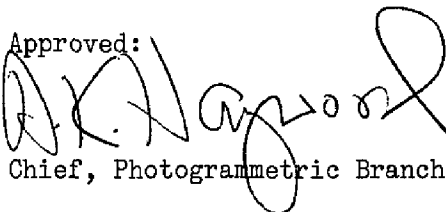
Billy H. Barnes
Cartographer

Approved for forwarding:

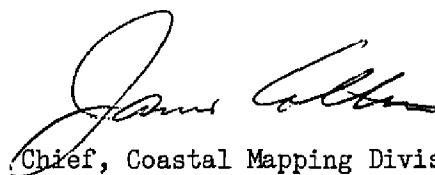


Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:



Chief, Photogrammetric Branch, DB



Chief, Coastal Mapping Division

TP-00679
Scale 1:10,000

22

33° 59'

55° 56' 15"

Y=25,000 FT

FEAR RIVER

77° 56' 00"

COMPARISON PRINT
Red = Chart 11537(426)

77° 55' 30"

Pier

Drain

Ma

Drain

33° 58' 30"

000 000 Subm piles

JOINS TP-00673

CAPE

Grs

Marsh

Sand

Grass water

Military Ocean

33° 58'

Y=80,000 FT

Marsh

0679

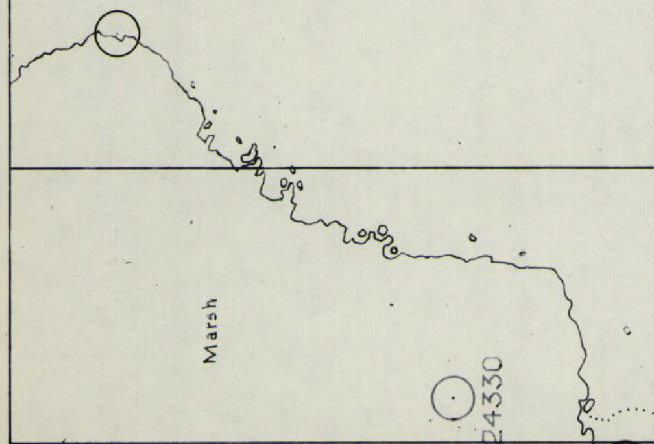
77° 56' 15" 34° 00' 00"

56'

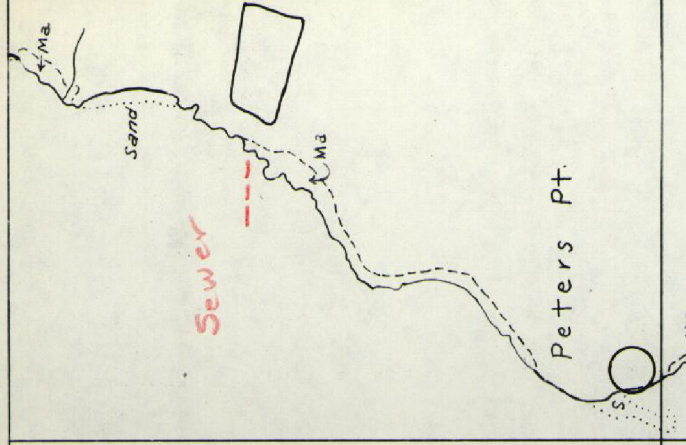
X = 2,325,000 FT

55' 30"

55'



COMPARISON PRINT
Red = Chart 11537(426)



TP 6900-DP
Scale 1:10,000
Point Y

23

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."

6283210
Y = 90,000 FT
59' 30"