# TP-00671

#### NOAA FORM 76-35

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

# DESCRIPTIVE REPORT

Type of SurveyShoreline	· · · · · · · · · · · · · · · · · · ·								
Job No. CM-7218									
Classification No.	Edition No								
Field Edited Map									
LOCALIT	Υ								
State									
General Locality Lower Cap	e Fear River								
Wilmington Locality									
19 7½ TO	19 75								
REGISTRY IN ARCHIVES									
DATE									

☆ U.S. GOVERNMENT PRINTING OFFICE: 1972-761-152



NOAA FORM 76-36A (3-72) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY	survey TP.00671
	D. ORIGINAL	MAP EDITION NO. (1)
DESCRIPTIVE REPORT - DATA RECORD	RESURVEY	MAP CLASS Final(F.E.)
DESCRIPTIVE REPORT - DATA RECORD		CM_7218
PHOTOGRAMMETRIC OFFICE	REVISED	10B WK OIT / CIT
PROTOGRAMMETRIC OFFICE		ING MAP EDITION
Coastal Mapping Division (Norfolk)	TYPE OF SURVEY	JOB PH
OFFICER-IN-CHARGE	RESURVEY	MAP CLASS SURVEY DATES:
Toffnow C. Conlon Cdn	REVISED	19TO 19
Jeffrey G. Carlen, Cdr.	<u>'</u>	
1. OFFICE	2,	FIELD
Part I		
Compilation - Feb. 27, 1973	Oct. 5, 1973	
Part II		
Aerotriangulation - Mar. 7, 1974		
Compilation - July 15, 1974	<u>                                       </u>	
II. DATUMS	OTHER (Specify)	
1. HORIZONTAL: X 1927 NORTH AMERICAN	(specify)	
X MEAN HIGH-WATER	OTHER (Specify)	
2. VERTICAL:		
MEAN LOWER LOW-WATER		
3. MAP PROJECTION		GRID(\$)
Polyconic	STATE	ZONE
101700110	North Carolina	
1:10,000	STATE	ZONE
III. HISTORY OF OFFICE OPERATIONS		
OPERATIONS	NAME	DATE
1. AEROTRIANGULATION BY	M. McGinley	None
METHOD: Analytic Landmarks and aids by		
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Calcomp. CHECKED BY	R. Robertson	Jul. 1974 Jul. 1974
	R. Robertson R.R. White	Sept. 1974
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY	L.O. Neterer	Sept. 1974
INSTRUMENT: Wild B-8 CONTOURS BY	NA	
SCALE: 1:15,000 CHECKED BY	NA	
4. MANUSCRIPT DELINEATION PLANIMETRY BY	R.R. White	Nov. 1974
Smooth ink drafted CONTOURS BY	F. Margiotta	Nov. 1974
METHOD:	NA NA	
1:10,000 HYDRO SUPPORT DATA BY	NA NA	
SCALE: CHECKED BY	NA NA	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	F. Margiotta	Nov. 1974
6. APPLICATION OF FIELD EDIT DATA	I. Perkinson	Apr. 1975
CHECKED BY	A.L. Shands	Apr. 1975
7. COMPILATION SECTION REVIEW BY	A.L. Shands	Apr. 1975
8. FINAL REVIEW BY 9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY	Billy H. Barnes	March, 1976
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	5. Blankenboker	206,1976
11. MAP REGISTERED - COASTAL SURVEY SECTION BY	R.T. CATOR	SEP.1976
NOAA FORM 76-36A SUPERSEDES FORM C&GS 181 SERIES		



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	_	C0/	MPILATION S	DURCES	_			
1. COMPILATION PHO	TOGRAPHY		<del></del>					
CAMERA(S) . Wild RC-10	ıı Cıı			PHOTOGRAPHY EGEND		TIME	REFEREN	ICE
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730(C)4894(I)	- 4895(I)	13 OCT 73	13:15	1:30,000	<u>+</u> 0.2	ft. c	of MHW	
73C(C)4532(I)	- 4534(I)	12 OCT 73	09:10	1:30,000	4.3	ft. a	above l	MLW
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NOAA FORM 76~36C (3-72)		TP-00671 History of Field		OCEANIC AND AT	DEPARTMENT OF COMMER MOSPHERIC ADMINISTRATI NATIONAL OCEAN SURV
I. X FIELD INSPE	CTION OPER	ATION FIEL	D EDIT OPER	ATION	
	OPf	ERATION	T	NAME	DATE
1. CHIEF OF FIELD	CARTY		R.S. Ti	11-44-	Oct. 1973
I. CHIEF OF FIELD			R.D. Bla		Oct. 1973
2. HORIZONTAL CO	ANT DOL	RECOVERED BY	None	ack	0000 1777
Z. HONIZONIAL CO	JN I RUL	PRE-MARKED OR IDENTIFIED BY	R.D. Bla	ack	Oct. 1973
		RECOVERED BY	NA NA		
3. VERTICAL CONT	[ROL	ESTABLISHED BY	NA		
		PRE-MARKED OR IDENTIFIED BY	NA		
	RE	COVERED (Triangulation Stations) BY	None		
4. LANDMARKS AND	D	LOCATED (Field Methods) BY	None		
AIDS TO NAVIGA	TION	IDENTIFIED BY	None		
		TYPE OF INVESTIGATION			
5. GEOGRAPHIC NA		COMPLETE BY			
INVESTIGATION		SPECIFIC NAMES ONLY			
		X NO INVESTIGATION	NA		
6. PHOTO INSPECT	ION	CLARIFICATION OF DETAILS BY	NA	- <u>,                                     </u>	
7. BOUNDARIES AN	DLIMITS	SURVEYED OR IDENTIFIED BY	NA		
II. SOURCE DATA	·		1		
1. HORIZONTAL CO	INTROL IDEN	NTIFIED Premarked		AL CONTROL IDEN	ITIFIED
		Liemaiked	NA	· 1	
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		·			, ,
3. PHOTO NUMBER	S (Clarification	on of details)	<u></u>		
4. LANDMARKS AND	D AIDS TO NA	AVIGATION IDENTIFIED			
	None				
			<del></del>	<del></del>	<u> </u>
PHOTO NUMBER		OBJECT NAME	PHOTO NUM	1BER	OBJECT NAME
5. GEOGRAPHIC NA	AMES: [	REPORT X NONE	6. BOUNDA!	RY AND LIMITS:	REPORT X NONE
7. SUPPLEMENTAL		<del></del>	1		<u></u>
1 Form	152 Form 526 266	tch books, etc. DO NOT list data aubmit	ted to the Geoc	desy Division)	

NOAA FORM 76-36C (3-72)	TP-00671	NATIONAL OCEA	NIC AND ATMOSPH	TMENT OF COMMERCE ERIC ADMINISTRATION IONAL OCEAN SURVEY			
	HISTORY OF FIELD	OPERATIONS	/				
1. TIELD INSPECTION OP	ERATION X FIEL	D EDIT OPERATION					
	PERATION		NAME	DATE			
1. CHIEF OF FIELD PARTY		George W.	Jamerson	Feb. 1975			
	RECOVERED BY	George W.		Feb. 1975			
2. HORIZONTAL CONTROL	ESTABLISHED BY	George W.		Feb. 1975			
	PRE-MARKED OR IDENTIFIED BY	George W.		Feb. 1975			
	RECOVERED BY						
3. VERTICAL CONTROL	ESTABLISHED BY	NA_					
	PRE-MARKED OR IDENTIFIED BY						
	RECOVERED (Triangulation Stations) BY	George W.		Feb. 1975			
4. LANDMARKS AND AIDS TO NAVIGATION	LOCATED (Field Methods) BY	George W.		Feb. 1975			
	IDENTIFIED BY	George W.	Jamerson	Feb. 1975			
	TYPE OF INVESTIGATION			•			
5. GEOGRAPHIC NAMES INVESTIGATION	COMPLETE  BY  SPECIFIC NAMES ONLY						
	X NO INVESTIGATION	,					
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	George W.		Feb. 1975			
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA NA	James Bon	Teb. 1915			
II. SOURCE DATA	12		<del></del>				
I. HORIZONTAL CONTROL ID	ENTIFIED	2. VERTICAL CO	NTROL IDENTIFIED				
NA NA		NA					
PHOTO NUMBER	STATION. NAME	PHOTO NUMBER	STATION	DESIGNATION			
3. PHOTO NUMBERS (Clarifica	tion of details)						
73C 4894R	· · · · · · · · · · · · · · · · · · ·						
4. LANDMARKS AND AIDS TO	NAVIGATION IDENTIFIED Verified						
10 landmarks	s; 4 aids						
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	318Q	CT.NAME			
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		]					
CEOCRA DIVIS NATIONAL		4					
. GEOGRAPHIC NAMES: - SUPPLEMENTAL MAPS AND	REPORT X NONE	6. BOUNDARY AN	DLIMITS: RE	PORT X NONE			
	d with annotations						
	ketch books, etc. DO NOT list data submit	ted to the Geodesy D	ivision)				
5-Form 76-40							
1-Form 76-36							
1-Form 76-36							
1-Form 76-36	<u>uda</u>						

NOAA FORM 76-36D (3-72)

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

TP-00671

i l				RD OF SURVE	Y USE			I		
I. MANUSC	RIPT COPIES		·		,					
	Co	MPILA	TION STAGE	ş .			DATE MANU	JSCRI	PT FORWARDED	
<u> </u>	DATA COMPILED		DATE	RE	MARKS		MARINE CHA	RTS	HYDRO SUPPORT	
	lation complete ng field edit	Nov	1974	Class III	Manusci	ript	4/13/75	5	11/22/74	
	Edit applied lation complete	Apr	1975	Class I Superse	eded	·	5/9/75			
Final	Review	Mar	1976							
			·							
	ARKS AND AIDS TO NAVIGA									
1. REPO	ORTS TO MARINE CHART DI	VISION	NAUTICAL	DATA BRANCH						
NUMBER	CHART LETTER NUMBER ASSIGNED	FO	DATE RWARDED			REM	ARK5			
4		5/1	2/75	Aids for	Charts		· .			
8	-	5/1	2/75	Landmarks	for Cha	arts				
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1		5/1	2/75	Aid to be Deleted						
	"									
				<u> </u>			<u> </u>			
2. 🗆 1	REPORT TO MARINE CHART	' DIVIS	ION, COAST	PILOT BRANCH.	DATE FOR	WARDED	5/12/	75		
								DED:		
3. REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED:  III. FEDERAL RECORDS CENTER DATA  1. X BRIDGING PHOTOGRAPHS; X DUPLICATE BRIDGING REPORT; X COMPUTER READOUTS.  2. X CONTROL STATION IDENTIFICATION CARDS; X FORM NOS 562 SUBMITTED BY FIELD PARTIES.  3. X SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  ACCOUNT FOR EXCEPTIONS: Xerox copies of Forms 76-36a, b and d were for field editors reference only and were destroyed when returned to the office.										
4.	DATA TO FEDERAL RECOF	RDS CE	NTER. DAT	E FORWARDED:						
IV. SURVE	Y EDITIONS (This section s	hall be			edition is re					
SECOND	TP -	(2)	JOB NUMBER		· ·	RE	TYPE OF SUR		URVEY	
EDITION	DATE OF PHOTOGRAPH		DATE OF FI	ELD EDIT	   □,	⊟աշ	MAP CLASS		FINAL	
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THIRD	TP	(3)	PH			RE	VISED .	RES	JRVEY	
EDITION	DATE OF PHOTOGRAPH	17	DATE OF FI	ELD EDIT	<b>□</b> 11.	□ш.	MAP CLASS	lv.	☐ FINAL	
	SURVEY NUMBER		JOB NUMBER	₹	<del></del>		TYPE OF SURV	/EY		
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EDITION	DATE OF PHOTOGRAPH	14	DATE OF FI	ELD EDIT	<u>□</u>	<u> </u>	MAP CLASS		DEINAL	

CM-7218

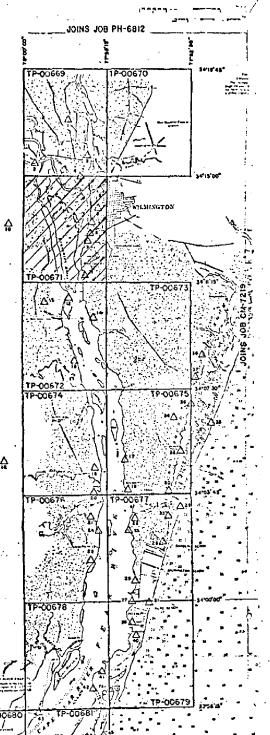
LOWER CAPE FEAR RIVER

NORTH CAROLINA

SHORELINE MAPPING

SCALE 1:10,000

	, 1	
	Sheet No.	Sq. Miles
·	TP-00 669	# 1
	TP-00670	2
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	TP-00672	<b>9</b> .
	TP-00 673	1
	TP-00674	4
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	TP-00 676	<i>3</i>
	TP-00 677	7
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į	TP-00 683	<i>3</i> °
		Total 92



# SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT TP-00671

This shoreline manuscript is one of fourteen 1:10,000 scale maps which comprise Project CM-7218, Lower Cape Fear River, North Carolina. This project is not part of, but it does adjoin, SCOPE, the Southern COastal Plains Expedition.

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

Analytic aerotriangulation 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 197h with the bridging photography. The Wild B-8 was used to compile inshore and cultural features and to drop alongshore pass points. These alongshore pass points were used to control the "high water" ratios from which the mean high water line was delineated graphically. The "high water" photos were flown based on predicted tides

Field edit was done in February 1975.

Final review was done at the Atlantic Marine Center in March 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 rules 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 guads.

# 25. Photography

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

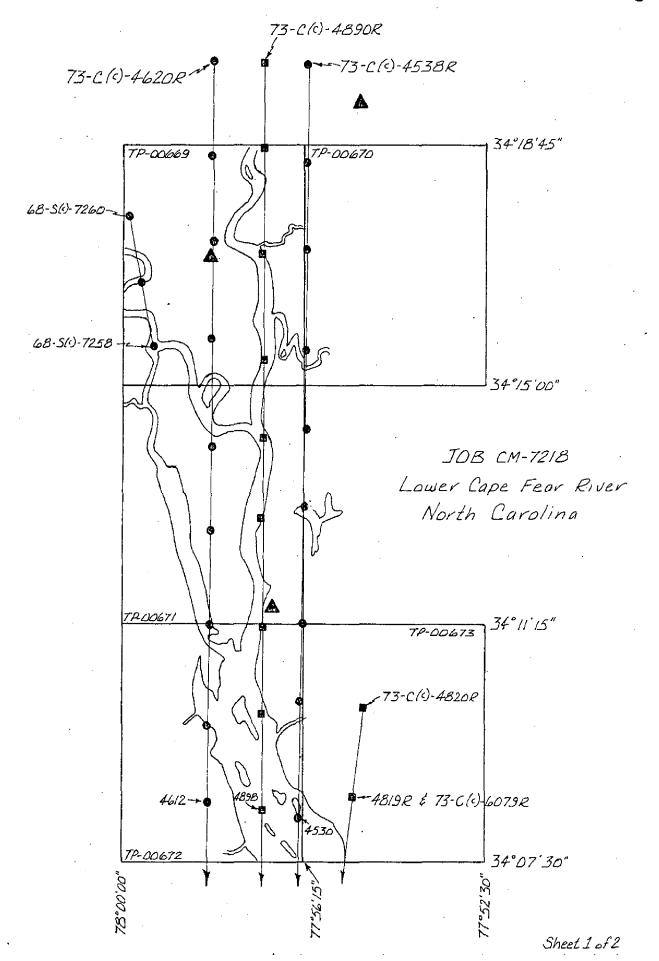
Supplified by

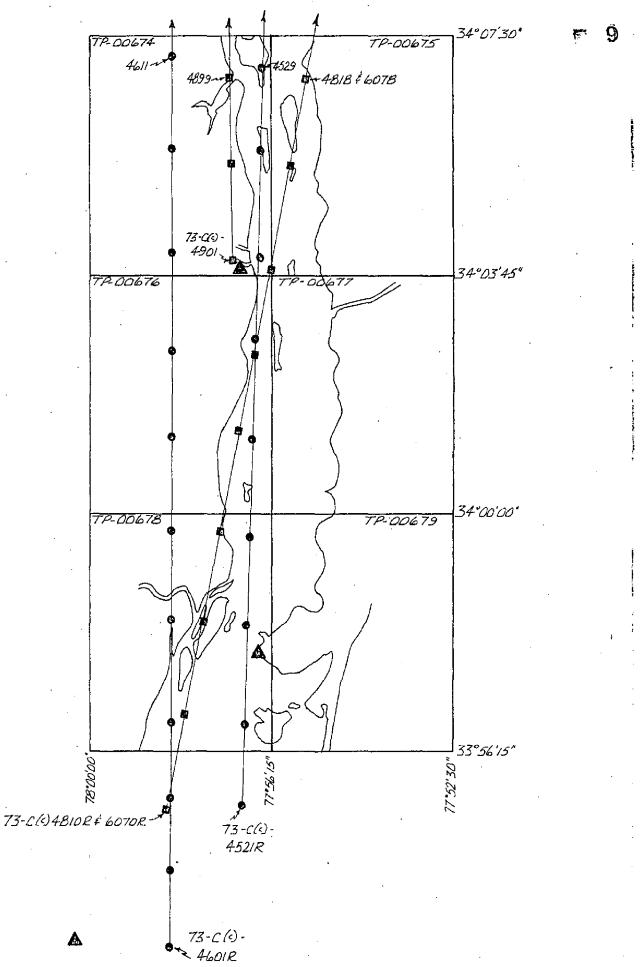
Michael L. McGinley

Approved by:

John D. Perrow, Jy

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.

MAP NO.  TP-O0671  SOURCE OF  INFORMATION  WILMINGTON, ST. MARY'S  ROMAN CATHOLIC CHURCH, NORTH  TOWER, 1917  WILMINGTON, COUNTY COURT- HOUSE, CIPOLA, 1917  TOWER, 1917	D CM-7218	DESCRIPTIV	PTIVE REPORT CONTROL RECORD		NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	TMOSPHERIC AD	MINISTRATION
TP-00671   SOUR   SOUR   SOUR   STATION NAME   INFORM   CATHOLIC CHURCH, NORTH   II,   Pg. 5   NGTON, COUNTY COURT-   II,   Pg. 5   NGTON, COUNTY COURT-   II,   Pg. 5   II,   Pg. 5   II,   Pg. 5   II,   Pg. 5   II,   II,   Pg. 5   II,   I	M-7218		CONTRACTOR STATES		THE PROPERTY OF THE PARTY OF TH		
ST. MARY'S COUNTY COURT- 1.A. 1917	•		Second Dailor N.A. 1927		ORIGINATING ACTIVITY	<u>}</u>	
ST. MARY'S G.P. LIC CHURCH, NORTH II, Pg. 5 COUNTY COURT- G.P. IA. 1917		AEROTRI- ANGULATION POINT	COORDINATES IN FEET STATE North Carolina	GEOGRAPHIC POSITION	S POSITION LATITUDE	REMARKS	ARKS Reals
LIC CHURCH, NORTH II,  COUNTY COURT G.P.  1A. 1917	Vol.		ZONE	<b>v</b> 0	NGT COUR	T L MOTE C	Y 00 0
COUNTY COURT- G.P. 14. 1917	<u> </u>		χ=	Ф 34~ 131			(133.2)
COUNTY COURT- G.P. I.A. 1917 / III.	7,		<i>y</i> =	γ 77° 5(	56' 36.764" /	940.9	(204.7)/
\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Vol.		± <b>%</b>	φ 34° 1	14' 10.682"/	329.1	(1519.6)
	, ,	<del></del>	=ħ	λ 77° 5(	56' 46.441"/		(347.1)
٠.	Vol.		=χ	φ 34° 1 <sup>1</sup>	14' 08.763"/	270.0	(1578.7)
•	\ Q		ĥ=	1 77° 50	56' 37.944" /	971.1	(564.5)/
S LUT- G.P.	Vol.		=X	φ 34° 1 <sup>1</sup>	14' 09.454"/	291.3~	(1557.4)
WITH WEATHER VANE), 1932   Pg. 134	7 7		ή=	γ 77° 50	56' 31.171"/	797.7	(737.8)/
VE. M.E.	, <sub>01</sub> ,		=X	φ 34° 1.	13' 48.329"	1489.1	(359.6)
CHURCH, SFIRE, 1908 / 11, Pg. 594	7,		=ħ	λ 77° 50	56' 33.789"	864.8	(6.029)
TON, U.S. CUSTOM G.P.	Vol.		=X	ф 3 <sup>4°</sup> 1	14' 09.930"/	306.0	(1545.7)
	\ \		=ħ	λ 77° 5	57' 00.913"/	23.4 ′	(1515.1)
COURTHOUSE, G.P.	Vol.		χ=	φ 34° 1	7,196.190 171	208.2	(1640.5)
SOUTHWEST CORNER, 1917 / 11, Pg. 593	13 /		zĥ	λ 77° 5	57' 00.311"	8.0	(1527.6)
TY CHAPT 1018   G.P.	Vol.		χ=	φ 3 <sub>4°</sub> 1,	14' 09.605"~	295.9	(1552.8)
~	Ţ,		<i>ij</i> =	λ 77° 5	57' 00.822"/	21.0	(1514.5)
	Vol./		-χ	♦ 34° 12	21 34.002"/	7.7401	(801.0)
191/ Pg. 600	Q		η=	λ 77° 57	71 33.337" /	853.4	(682.6)
NORTH CAROLINA G.P.	Vol.		-χ	♦ 34° 11	, 27.	843.0 <	(1002.7)
SHIFBUILDING CO., TANK, 1942 II,	ر بری		ų.	λ 77° 57	/ 01.696" /	43.4	(1493.0)
COMPUTED BY A.C. Ranck		₽87F/7¼	COMPUTATION CHECKED BY F./P. Margiotta			DATE 8/7/74	774
i	<u> </u>	DATE	LISTING CHECKED BY			DATE	
HAND PLOTTING BY	٥	DATE	HAND PLOTTING CHECKED BY			DATE	

NOAA FORM 76-41				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	. DEPARTMENT OF COMME TMOSPHERIC ADMINISTRA	ATION
		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD			
MAP NO.	TOB NO.		GEODETIC DATUM	ORIGINATING ACTIVITY	VITY	
TP-00671	CM-7218		N.A. 1927			
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	coordinates in Feet State North Carolina	GEOGRAPHIC POSITION φ LATITUDE λ τονοίττων	REMARKS Forward Back	Ų
	NC Vol. III		-χ	4 ' !	886.7~ (962.0)~	<u>()</u>
SHIPYARD (NCGS), 1963 /	Unad 340773 STA 1051		ýs.	ν 77° 56' 41.366~	1059.2 / (477.1)	.1)
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			<i>=</i> χ	φ.	1	
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			<i>й=</i>	γ		-
			<i>χ</i> =	Φ.		•
		:	β=	γ		
			χ=	Φ.	-	
			y=	γ		
computed by A.C. Rauck, Jr.		8/5/74	COMPUTATION CHECKED BY FRANK Margiotta	ta	DA 18/7/74	
LISTED BY		DATE	LISTING CHECKED BY		DATE	
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE	
		SUPERSEDES NO	ERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE,	CH IS OBSOLETE.		

#### COMPILATION REPORT

#### TP-00671

# 31. DELINEATION

Delineation was by the Wild B-8 stereoplotter. The mean high water line was compiled graphically using 1:30,000 scale"tide controlled photography. No mean low water line was delineated due to insufficient photo coverage (See Item #3 Form 76-36b). There was no field inspection prior to compilation.

#### 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 line was delineated from the tide coordinated photographs. There were no low water tide coordinated photos covering this area.

# 36. OFFSHORE DETAILS

None

#### 37. LANDMARKS AND AIDS

Appropriate copies of Form 76-40, Landmarks and Non-floating Aids to Navigation, were forward to the Rockville, MD office on May 9, 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: Wilmington, NC, scale 1:24,000, dated 1970.

# 47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey Chart: No. 11537 (426) scale 1:40,000 13th Ed., dated April 20, 1974.

# ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

#### ITEMS TO BE CARRIED FORWARD

None

Submitted by:

Richard R. White, Carto. Tech.

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November 12, 1974

Approved:

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section, AMC

# ADDENDUM TO THE COMPILATION REPORT

TP-00671

# FIELD EDIT

Field Edit was adequate.

The compiler was referred to photo 69 E(C) 4894 for wrecks located just north of the lift bridge on the west side of Cape Fear River. There are no wrecks identified on the photograph in that area.

2 Oct. 1975

# GEOGRAPHIC NAMES

#### FINAL NAME SHEET

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

TP-00671

Alligator Creek

Brunswick River

Cape Fear River

Dram Tree Point

Eagle Island

Greenfield Creek

Muddy Point

Northeast Cape Fear River

Point Peter

Redmond Creek

Sturgeon Creek

Wilmington

Approved by

Chas. E. Harrington

Staff Geographer--C51x2

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NOAA FORM 75-74 (2-74)			U	I.S. DEPARTMENT OF COMMERCE
(2-7-7/	РНО	TOGRAMMET	RIC OFFICE REVIEW	NATIONAL OCEAN SURVEY
		TP-006		
I. PROJECTION AND GRIDS	2. TITLE		3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
F'M	FM		FM	FM
CONTROL STATIONS		<del></del>	<u> </u>	
5. HORIZONTAL CONTROL ST	ATIONS OF	6. RECOVERA	BLE HORIZONTAL STATIONS IAN THIRD-ORDER ACCURACY	7. PHOTO HYDRO STATIONS
THIRD-ORDER OR HIGHER	ACCURACY	(Topographic	c stations)  NA	NA
8. BENCH MARKS	9. PLOTTING O	F SEXTANT	10. PHOTOGRAMMETRIC	11. DETAIL POINTS
NA			FM	FM
ALONGSHORE AREAS (Nautica				
12. SHORELINE	13. LOW-WATER	LINE	14. ROCKS, SHOALS, ETC.	15, BRIDGES
FM	FM		FM	FM
16. AIDS TO NAVIGATION	17. LANDMARK	:S	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
	FM		FM	FM
PHYSICAL FEATURES				
20. WATER FEATURES		21. NATURAL	GROUND COVER	22. PLANETABLE CONTOURS
			NA	NA
23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS	IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
NA	NA		NA	
CULTURAL FEATURES			1.4	
27. ROADS	28. BUILDINGS	i	29. RAILROADS	-30. OTHER CULTURAL FEATURES
FM	FM		FM	FM
BOUNDARIES				
31. BOUNDARY LINES NA			32, PUBLIC LAND LINES	
			MV	
33. GEOGRAPHIC NAMES		34. JUNCTION	5	35. LEGIBILITY OF THE
				MANUSCRIPT
FM		<u> </u>	FM	FM
36. DISCREPANCY OVERLAY	37. DESCRIPTIN	VE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
FM	FM		FM	FM
40. REVIEWER			SUPERVISOR, REVIEW SECTION	_l
F. Margiotta	Nov.	1974		
			Albert C. Rauck, J.	r.
41. REMARKS (See attached she				
FIELD COMPLETION ADDITIO				
script is now complete ex	cept as noted und	der item 43.	ion survey have been applied t	o the manuscript. The manu-
Irene Perkinson	Apr. 19	975	) SUPERVISOR	
Reviewer: A.L. Shan	-		Albert C. Rauck, Ju	c.
43. REMARKS		d from Pic	1d Tait o-alid and fi	
TP-00670, photo 73			ld Edit ozalid and $f$ : -40 & 526.	LIM OZALIQ
	- ( - ) - + - > + ( - ) ;	,	.4 2.0-1	

# FIELD EDIT REPORT JOB CM 7218 LOWER CAPE FEAR RIVER MAP TP-00671

# 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. The field work on this map was performed by Lt. George W. Jamerson. No attempt at "second guessing" was made by the writer of this report. There were no significant changes noted in the shoreline during field edit. Several "foul" areas were overlooked during compilation. These were indicated on the field edit ozalid and cross-referenced to the film ozalid of the manuscript where they were accurately delineated. One area delineated as "foul" at latitude 34° 14'.8, longitude 77° 57'.2 is actually a "wreck" that bares a good deal at mean high water. It was dealt with on the field edit ozalid. There are some other "wrecks" in the same area as mentioned above. These were indicated on the field edit ozalid and cross-referenced to photo 73 C 4894 R. Another "wreck" at latitude 34° 13'.2, longitude 77° 57'.4 is also indicated on the same photograph, as were some "wrecks" at latitude 34° 57'.3. Attention was drawn to these wrecks on the field edit ozalid.

Some "marsh islets" at latitude 34° 13'.3, longitude 77° 57'.2 are actually piling with grass growing on top of them. They were dealt with on the field edit ozalid. Several piling and dolphins were also overlooked during compilation. They were indicated on the field edit ozalid and cross-referenced to the appropriate photograph.

The Brunswick River is "foul" with submerged wrecks, piling, old cables, stumps, and etc.. See the current hydrography for positions and delineations of foul areas.

# 54. Recommendations

There are no recommendations.

# 56. Landmarks and Non-Floating Aids for Navigation

There are eleven compiled landmarks within the limits of this manuscript. One of them, a radio tower, was felt to be extraneous and was deleted from the map. The other were entered on Form 76-40 as "position verified". The form is included with this report. There are four fixed aids for navigation on this map. All four of them were correctly compiled and were entered as "position verified"

on the Form 76-40 inditiated by the compiling activity and furnished the field editor. Two of the triangulated lights, Clarks Island Range Front Light 1917, and Upper Brunswick Channel Range Rear Light; BN 4, 1917 have been destroyed. They were deleted on Form 76-40 which is included with this report.

# 57. Rocks, Reefs, and Shoals

There are no rocks or reefs, per se, in the Cape Fear River portion of the map. The Brunswick River, is, however, a horror of submerged wrecks, piling, rusty cables and everything imaginable. See the current hydrography for delineation of these objects and the shoal and shallow areas of the rivers.

# 58. Photography

Photography consisted of 1:10,000 scale color infrared prints of color photographs and was office perpared. The photography was good.

# 59. Disposition of Data

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

Richard E. Kesselring Surveying Technician. Photo Party 62

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TYPE OF ACTION	NAME TENSORNEL	ORIGINATOR
		PHOTO FIELD PARTY
OBJECTS INSPECTED FROM SEAWARD		GEODETIC PARTY  OTHER (Specify)
DOSTIONS DETERMINED AND OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE
		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		REVIEWER  QUALITY CONTROL AND REVIEW GROUP  REPRESENTATIVE
1	INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64,	
OFFICE IDENTIFIED AND LOCATED OBJECTS	FIELD (Cont'd) B. Photogra	mmetric field positions** require
Enter the number and date (including month, day, and year) of the photograph used to	entry of date of f	~ ~
Elfy LE:	graph us EXAMPLE:	
I NEW POSITION DETERMINED OR VERIFIED	TRIANGULAT	L RECOVERED
Enter the applicable data by symbols  F - Field P - Photogrammet  L - Located - Vis - Visually	s as follows: When a land tric angulation Rec   with	imark or aid which is also a tri- station is recovered, enter Triang.
ation 5 -	tified	
3 - Intersection 7 - P 4 - Resection 8 - S	Planetable   III. POSITION VERIFIED VISUAL Sextant   Finter 'V+V's,' and date	/ERIFIED VISUALLY ON PHOTOGRAPH
sitions*	f method of	
EXAMPLE: F-Z-6-L 8-12-75	**PHOTOGRAMMETRIC FIELD POSITIONS are dependent	SITIONS are dependent on control established
*FIELD POSITIONS are determined by field vations based entirely upon ground surgery.	suryermetbods	ods.

NOAA FORM 76-40 (8-74)

<u>:</u>

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE. AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

200

HYDROGRAPHIC PARTY
GEODETIC PARTY
THOTO FIELD PARTY
TO COMPLATION ACTIVITY
FINAL REVIEWER
COAST PILOT BRANCH (See reverse for responsible personnel) AFFECTED 1235 ORIGINATING ACTIVIT = = = = = = = = = = = = = = Triang. Rec. Jan. 1975 METHOD AND DATE OF LOCATION (See instructions on reverse side) Jan. 1975 V-Vis. Feb. 1975 FIELD V-Vis = Apr.1975 73c(c)(I)\u00e4896 0ct.13,1973 73c(c)(I) 4894 U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION 73c(c)(I)\4896 Oct.13,1973 30(0)(1)1919 Oct.12,1973 Oct.13,1973 OFFICE DATE = = = = 7 Lower Cape Fear River 29.37 been inspected from seaward to determine their value as landmarks. D.P. Meters 01.696 44.08 21.02 11.52 43.42 05.62 43.4 00.78 1128 1111 144 752 538 295 20 LONGITUDE 77-59 77-57 77-56 -77-57 77-57 77-57 72-57 77-57 1 COMPLETE CONTRACTOR CHARTS 0 POSITION N.A.1927 34.99 37.03 31.35 57.54 27.359 843.0 11.36 D.M. Meters 30.93 27.59 LOCALITY 1078 רוונו 996 350 953 850 LATITUDE 34-13 Carolina 34-14 34-17 34-11 -34-17 34-14 34-11 DATUM 0 Show triangulation station names, where applicable, in parentheses) \*\* Field editor gave no ground elev. gave no elevations. North DESCRIPTION
Record reason for deletion of landmark or aid to navigation. \* SURVEY NUMBER TP-00671 (Wilmington, North Carolina Shipbuilding Co., Tank, 1942) Ht. = 185( Cable Crossing Crossing 水 FEPORTING UNIT Field Park, Ship or Office) Coastal Mapping Div. 茶 Ht.\*385( good landmark value AMC- Norfolk, Va. Cable HAVE X HAVE NOT three, \*\* Field editor at at CM-7218 JOB NUMBER Tower South Tower \* of Ht.=142( building Highest North Of Replaces C&GS Form 567 The following objects 茶 水水 XXTO BE CHARTED TO BE DELETED TO BE REVISED OPR PROJECT NO. NOAA FORM 76-40 CHARTING R. TOWER TOWER TOWER TOWER TOWER TV TANK TANK TANK

To charts 5 /8/15

To charts 5/9/75

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GEODETIC PARTY

PHOTO FIELD PARTY

MODELATION ACTIVITY
FINAL REVIEWER

QUALITY CONTROL & REVIEW GRP. (See reverse for responsible personnel) AFFECTED CHARTS ORIGINATING ACTIVITY 1235 HYDROGRAPHIC PARTY GEODETIC PARTY Destroyed Feb.1975 (See instructions on reverse side) FIELD U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION Apr.1975 DATE OFFICE Lower Cape Fear River been inspected from seaward to determine their value as landmarks.

SURVEY NUMBER DATUM D.P. Meters 47.4 17.473 LONGITUDE 77-57 NONFLOATING AIDS GREAMBALEKS FOR CHARTS 0 POSITION N.A. 1927 LOCALITY D.M. Meters 728.3/ 23.638 LATITUDE North Carolina 34-11 0 Show triangulation station names, where applicable, in parentheses) DESCRIPTION (Record reason for deletion of landmark or aid to navigation. TP-00671 (Upper Brunswick Channel Range Rear Light, Bn. 4,1917) Coastal Mapping Div.
AMC. Norfolk, Va.
HAVE X HAVE NOT | been insp (Field Party, Ship or Office) CM-7218 Replaces C&GS Form 567. The following objects TO BE CHARTED XX TO BE DELETED TO BE REVISED OPR PROJECT NO. CHARTING 437 LIGHT

Tocharts

5/4/75

#### REVIEW REPORT TP-00671

#### SHORELINE

#### March 1976

# 61. GENERAL STATEMENT:

See Summary which is page six of this Descriptive Report.

The term "tide coordinated" is used loosely with this project. Photography was flown at mean high water and mean low water <u>based on predicted tides</u> - 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 paragraphs 62 through 65 is included with the original of this report.

#### 62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with T-5191, scale 1:10,000, drawn from photographs taken in 1933. Significant differences are shown in blue on the comparison print. The most prominent are the filling of Alligator Creek and a portion of Redmond Creek and the change in the shoreline of Brunswick River. In the area compared, TP-00671 supersedes T-5191 for nautical chart construction purposes. T-5191 is the latest registered prior survey of the area.

#### 63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. Quadrangle WILMINGTON, N.C., scale 1:24,000, dated 1970. Differences are shown in brown on the comparison print.

# 64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the Preliminary Boat Sheet of

H-9500 (AHP-10-1-75), scale 1:10,000, dated 1975. A wreck shown on a cutoff of Cape Fear River on TP-00671 with an elevation of (8) was said by the hydrographer to be non-existent but was instead a stack of piling on the shore. Brunswick River is foul with trees, stumps and other debris. This is shown on the Boatsheet. These and other pertinent differences are shown on the comparison print in purple.

#### 65. COMPARISON WITH NAUTICAL CHARTS:

The area covered by this map is within the limits of NOAA Chart 11537 (426), scale 1:40,000, 14th edition, dated March 8, 1975. There are several differences noted between the published chart and the TP sheet. These differences are shown in red on the comparison print.

# 66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Project Instructions (See Form 76-36b and Section 61 of this report), meets the requirements for Bureau Standards, and National Standards of Map Accuracy.

Reviewed by:

Billy H. Barnes

Billy H. Barn

Cartographer March, 1976

Approved for forwarding:

Joseph W. Vonasek

Chief, Photogrammetric Branch, AMC

Joseph Wonard

Approved

Chief, Photogrammetric Branch As

Chief, Coastal Mapping Div.

