

TP-00674

TP-00674

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-7218 Map No. TP-00674

Classification No. Edition No. 1

Field Edited Map

LOCALITY

State North Carolina

General Locality Lower Cape Fear River

Locality Campbells Island

1972 TO 1975

REGISTRY IN ARCHIVES

DATE

TYPE OF SURVEY

SURVEY TP: 00674

DESCRIPTIVE REPORT - DATA RECORD

- ORIGINAL
- RESURVEY
- REVISED

MAP EDITION NO. (1)
MAP CLASS Final(F.E.)
JOB XRM-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

I. OFFICE

2. FIELD

Part I
Compilation - Feb. 27, 1973

Part II
Aerotriangulation - Mar. 7, 1974
Compilation - July 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

5. SCALE

1:10,000

STATE ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS	NAME	DATE
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY	M. McGinley	None
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Calcomp. CHECKED BY	R. Robertson R. Robertson	Jul., 1974 Jul., 1974
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 SCALE: 1:15,000 CONTOURS BY CHECKED BY	R.R. White L.O. Neterer NA NA	Sep., 1974 Sep., 1974
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Smooth ink drafted CONTOURS BY CHECKED BY SCALE: 1:10,000 HYDRO SUPPORT DATA BY CHECKED BY	I.K. Perkinson L.O. Neterer NA NA NA NA	Nov., 1974 Nov., 1974
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	L.O. Neterer	Nov., 1974
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY	Charles Parker A.L. Shands	Apr., 1975 Apr., 1975
7. COMPILATION SECTION REVIEW BY	A.L. Shands	Apr., 1975
8. FINAL REVIEW BY	Billy H. Barnes	June, 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. J. CATDR	SEP. 1976

TP-00674
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10 "C"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE WILMINGTON, N.C. <input checked="" type="checkbox"/> PREDICTED TIDE (Campbell Isl., N.C.) <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR X (P) PANCHROMATIC (I) INFRARED X		ZONE Eastern MERIDIAN 75th <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
* 73C(C)4609(I) - 4611(I)	12 OCT 73	09:53	1:30,000	3.9 ft. above MLW	
** 73C(C)4899(I) - 4901(I)	13 OCT 73	13:15	1:30,000	+0.2 ft. of MHW	
** 73C(C)6068(I) - 6070(I)	10 NOV 73	13:04	1:30,000	+0.2 ft. of MLW	
* 73C(C)4527(I) - 4529(I)	12 OCT 73	09:10	1:30,000	4.3 ft. above MLW	
				M.H.W. = 3.8 ft.	

REMARKS
*Bridge and compilation photos.
**Tide coordinated MHW and MLW photos. are based on predicted tides.

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-00672	EAST TP-00675	SOUTH TP-00676	WEST No Survey
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REMARKS

HISTORY OF FIELD OPERATIONS

I. <input type="checkbox"/> FIELD INSPECTION OPERATION		<input checked="" type="checkbox"/> FIELD EDIT OPERATION	
OPERATION	NAME	DATE	
1. CHIEF OF FIELD PARTY	George W. Jamerson	Feb., 1975	
2. HORIZONTAL CONTROL	RECOVERED BY George W. Jamerson	Feb., 1975	
	ESTABLISHED BY George W. Jamerson	Feb., 1975	
	PRE-MARKED OR IDENTIFIED BY		
3. VERTICAL CONTROL	RECOVERED BY		
	ESTABLISHED BY NA		
	PRE-MARKED OR IDENTIFIED BY		
4. LANDMARKS AND AIDS TO NAVIGATION.	RECOVERED (<i>Triangulation Stations</i>) BY George W. Jamerson	Feb., 1975	
	LOCATED (<i>Field Methods</i>) BY George W. Jamerson	Feb., 1975	
	IDENTIFIED BY George W. Jamerson	Feb., 1975	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE BY <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY 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 (<i>Clarification of details</i>) 73C 4898 (I); 73C 6071 (I)			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED One landmark; one aid to navigation			
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 1 - Film ozalid with annotations			
8. OTHER FIELD RECORDS (<i>Sketch books, etc. DO NOT list data submitted to the Geodesy Division</i>) 2 - Form 76-40			

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	5 NOV 74	Class III Manuscript Superseded	4/13/75	11/13/74
Field Edit Applied Compilation complete	4 APR 75	Class I Map Superseded	5/9/75	
Final Review	June, 1976			

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

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

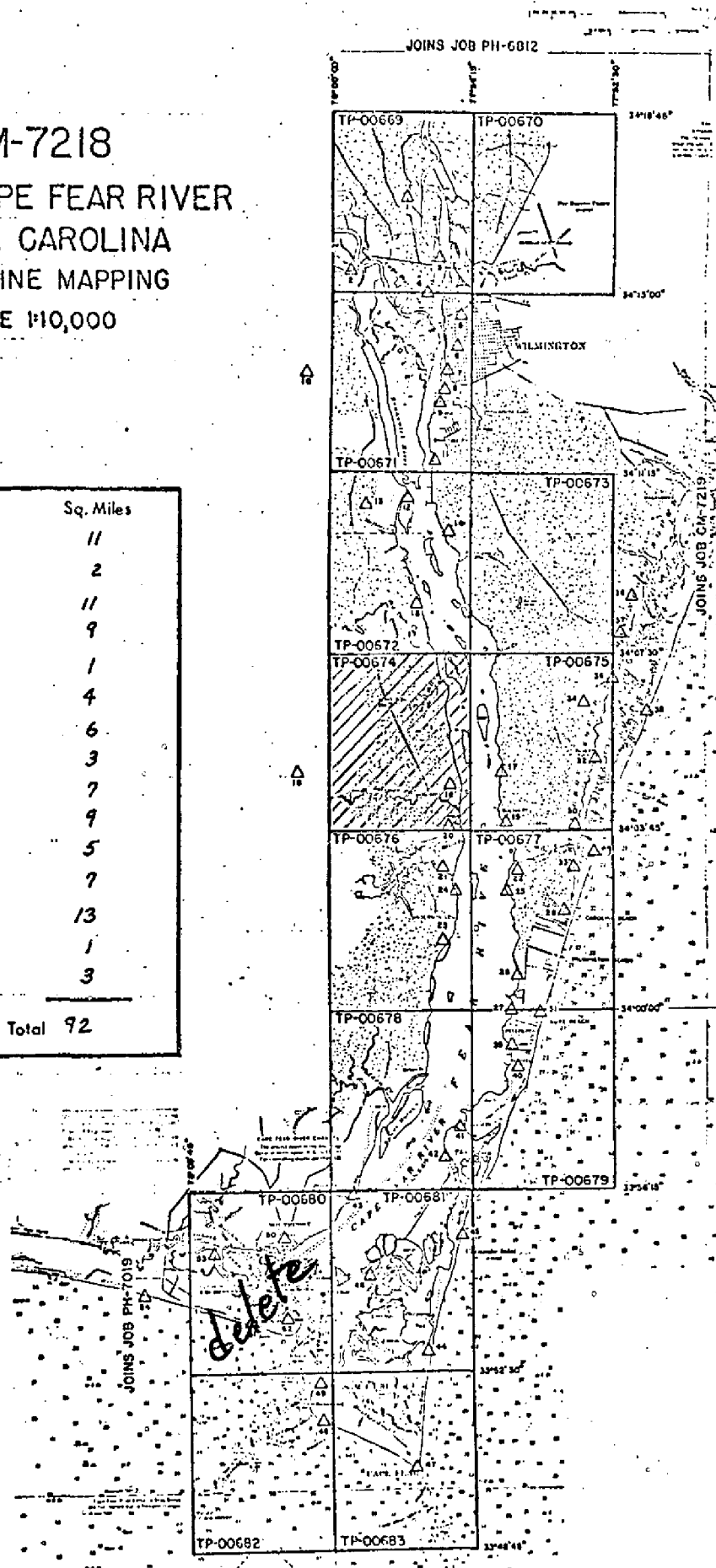
1. BRIDGING PHOTOGRAPHS; DUPLICATE BRIDGING REPORTS; COMPUTER READOUTS.
2. CONTROL STATION IDENTIFICATION CARDS; FORM NOS ~~327~~ ⁷⁶⁻⁴⁰ SUBMITTED BY FIELD PARTIES.
3. SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:
4. DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

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-00674

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 1974 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 "tide coordinated" ratios from which the mean high water line and mean low water line were delineated graphically. These "tide controlled" photos are based on predicted tides.

Field edit was done in February 1975.

Final review was done at the Atlantic Marine Center in June 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.

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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

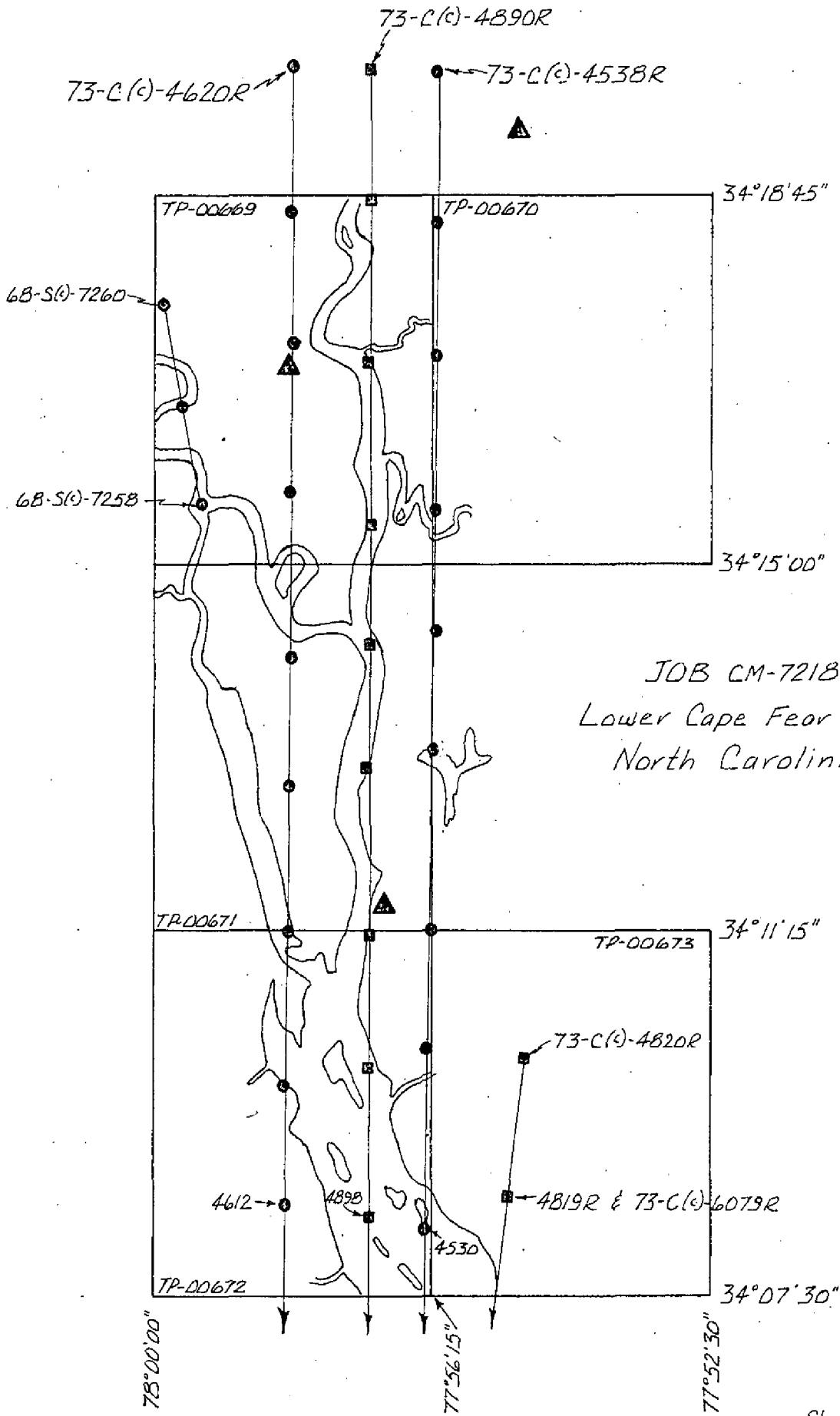
Photography was adequate as to overlap, definition, and coverage.

Submitted by,

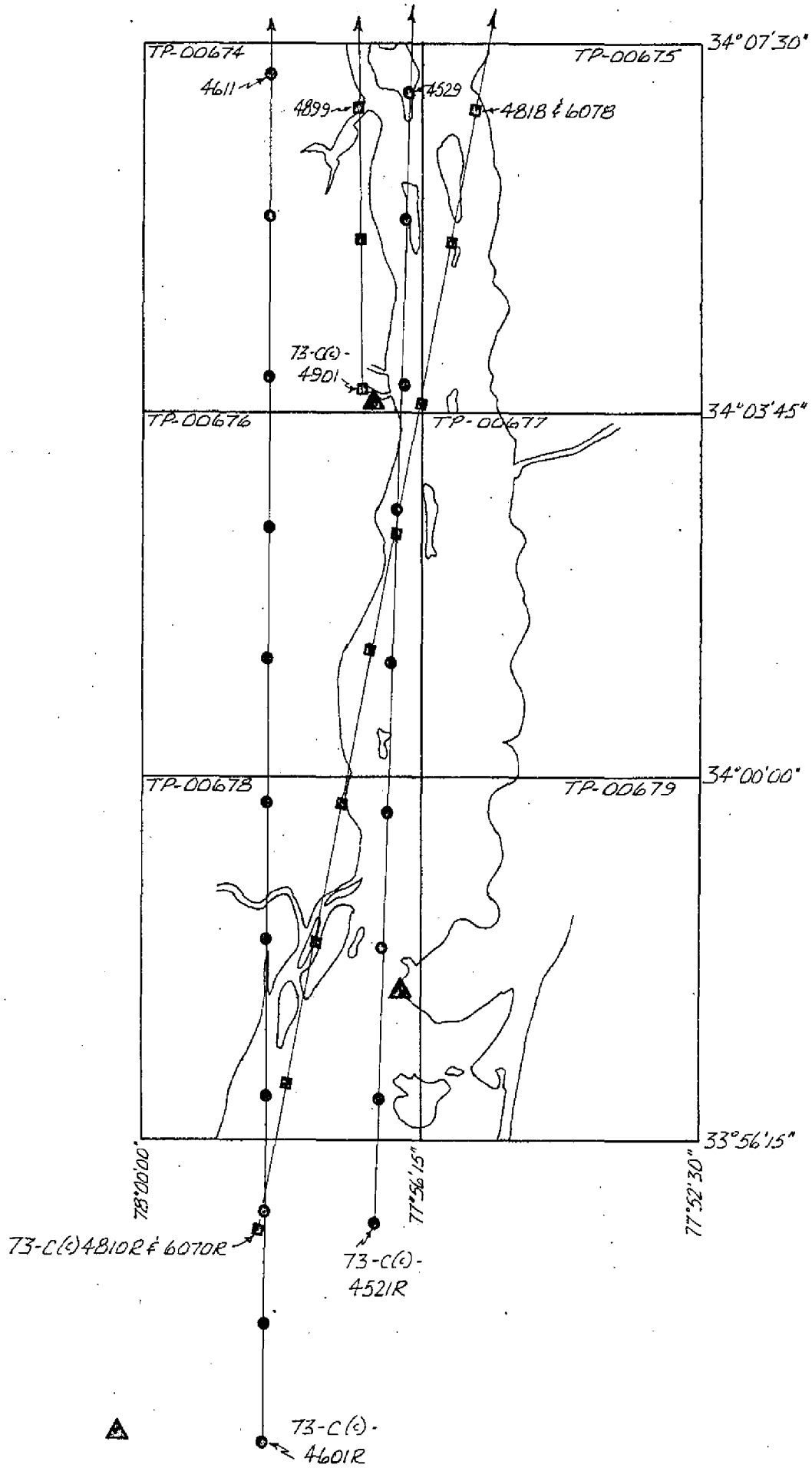
Michael L. McGinley
Michael L. McGinley

Approved by:

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



JOB CM-7218
 Lower Cape Fear River
 North Carolina



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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.

COMPILATION REPORT

TP-00674

31. DELINEATION

The Wild B-8 stereoplotter was used to compile all details except the mean high and mean low water lines. These were delineated graphically using the "tide controlled" photographs provided for this purpose. Detail points established in the B-8 models served as control. Photo coverage was adequate.

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

Offshore details were delineated by the Wild B-8 stereoplotter and office interpretation of the photography.

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: CAROLINA 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 ed., dated April 20, 1974.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

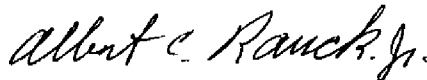
None

Submitted by:



Irene K. Perkinson
Cartographic Tech., Nov. 5, 1974

Approved:



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

ADDENDUM TO THE COMPILATION REPORT

TP-00674

FIELD EDIT

Field edit was adequate. All questions were answered.

2 Oct. 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00674

Campbell Island


Cape Fear River

Liliput Creek

Orton Creek

Sand Hill Creek

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-00674			
1. PROJECTION AND GRIDS LON, Jr.	2. TITLE LON, Jr.	3. MANUSCRIPT NUMBERS LON, Jr.	4. MANUSCRIPT SIZE LON, Jr.
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY A.L.S.	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, Jr.	11. DETAIL POINTS LON, Jr.
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE LON, Jr.	13. LOW-WATER LINE LON, Jr.	14. ROCKS, SHOALS, ETC. LON, Jr.	15. BRIDGES X X
16. AIDS TO NAVIGATION LON, Jr.	17. LANDMARKS LON, Jr.	18. OTHER ALONGSHORE PHYSICAL FEATURES LON, Jr.	19. OTHER ALONGSHORE CULTURAL FEATURES LON, Jr.
PHYSICAL FEATURES			
20. WATER FEATURES LON, Jr.	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, Jr.
CULTURAL FEATURES			
27. ROADS A.L.S.	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, Jr.	34. JUNCTIONS LON, Jr.		35. LEGIBILITY OF THE MANUSCRIPT LON, Jr.
36. DISCREPANCY OVERLAY LON, Jr.	37. DESCRIPTIVE REPORT LON, Jr.	38. FIELD INSPECTION PHOTOGRAPHS X X	39. FORMS LON, Jr.
40. REVIEWER Lowell O. Neterer, Jr. 11/8/74		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 Apr., 1975 A.L. Shands Apr., 1975		SUPERVISOR Albert C. Rauck, Jr.	
43. REMARKS Field edit was applied from field edit ozalid and film ozalid TP-00674, Forms 76-40 submitted by F.E. and office ratio prints 73C(C)-4898(I) and 73C(C)-6071(I).			

FIELD EDIT REPORT
 JOB CM 7218
 LOWER CAPE FEAR RIVER
 MAPS TP-00674 and TP-00675

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 these maps were done by Lt. George W. Jamerson. The writer of this report made no attempt to "second guess" The field editor.

Very little was omitted during the compilation of these two sheets. A few piling were omitted in the vicinity of Kendall Wharf, East Gable, 1917 which were visible on photograph 73C 6071. Also six piling around Upper Midnight Channel North Range Rear Light were not compiled. These piling were also visible on the aforementioned photograph. They were indicated on the field edit ozalid with appropriate cross-references.

Several piling were located by sextant fix and indicated on the field edit ozalid with cross-references to the film ozalid. These fixes are listed in a sketch book. For a discussion of these fixes see the field edit report for maps TP-00672 and TP-00673.

There are several "foul" areas to the west of Campbell Island. See the current hydrography for the numerous submerged piling in these areas.

54. Recommendations

IT would be a time saving idea not to plot the triangulated positions of lights and daybeacons when they are obviously different from the compiled location.

56. Landmarks and Non-Floating Aids to Navigation

There is only one landmark on these maps. It was correctly compiled, its position verified by the field-editor and so entered on the form 76-40 furnished the field editor by the compiling activity.

There are twelve fixed aids within the limits of these to maps. Nine of them were correctly compiled and were entered on the form 76-40 furnished by the compiling activity as "position verified". The three remaining aids, all daybeacons, were located by sextant fix, were plotted on the film of the manuscript and indicated on the field edit ozalid with appropriate cross-references. The sextant fixes are listed in the sketch book mentioned under side heading 52 above. The daybeacons were entered on the Form 76-40 mentioned above as "F.4.c".

ORTON COVE UPPER RANGE REAR LIGHT BN 17, 1917 is no longer extant. The platform remains and should be charted as just that. The light was deleted on form 76-40 which is

included with this report.

57. Rocks, Reefs, and Shoals

There are no rocks or reefs, as defined on these two maps. Numerous shoals and shallow areas exist, but no effort was made to delineate them due to the nearly concurrent hydrography being performed. For shoals and shallow areas see the current hydrography.

58. Photography

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

59. Disposition of Data

The field edit ozalids, the film ozalid, the color photography, 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

REVIEW REPORT TP-00674

SHORELINE

June 1976

61. GENERAL STATEMENT:

See Summary, which is page 6 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 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 paragraphs 62 through 65 is included with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with T-5192 and T-5194 at scales of 1:20,000, both drawn from photographs taken January 31, 1933. The west shore of the Cape Fear River at approximate latitude 34° 05' has filled eastwardly approximately 275 meters. What the field editor call a row of piling in 1975 was designated as a "pile breakwater" on T-5194. Due to the length of time since the compilation of T-5194, and the deterioration of the piling involved the 1975 designation was considered appropriate. These and other significant differences are shown on the comparison print in blue. In the area compared, TP-00674 supersedes T-5192 and T-5194 for nautical chart construction purposes. T-5192 and T-5194 are the latest registered prior surveys of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. Quadrangle Carolina Beach, N.C., dated 1970, scale 1:24,000. 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-9502 (AHP-10-3-75), scale 1:10,000, dated 1975. There was one sounding that was plotted inside the mean high water line of this TP sheet. No reason could be found for this sounding position, other than it was on a preliminary sheet subject to correction. This and other differences are shown in purple on the comparison print.

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. Significant 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. Barnes
Cartographer

Approved for forwarding:

Joseph W. Vonasek

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

D. K. Raymond

Chief, Photogrammetric Branch

Jan Lath

Chief, Coastal Mapping Div.

TP-00674
Scale 1:19,000

340

06'30"

Y=130,000 FT

06'

77°56'15"

Malte

Malte

Marsh

A P E

F E A R

Ma It

Ma

MA

Rozi

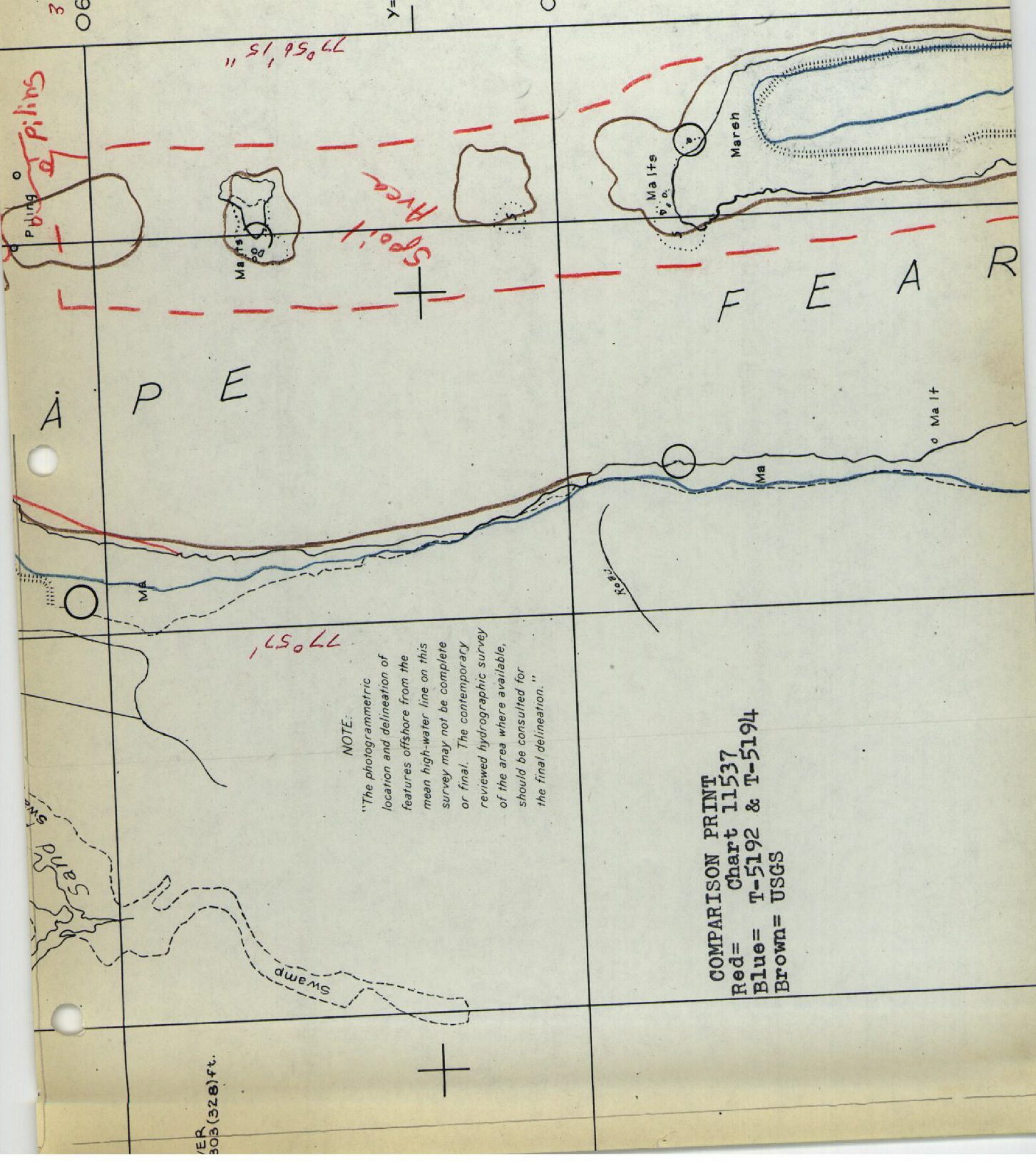
77°57'

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."

COMPARISON PRINT
Red= Chart 11537
Blue= T-5192 & T-5194
Brown= USGS

VER (328) ft.



05'30"

TP-00674
Scale 1:10,000

73 C(C) 4817

Y=125,000 FT

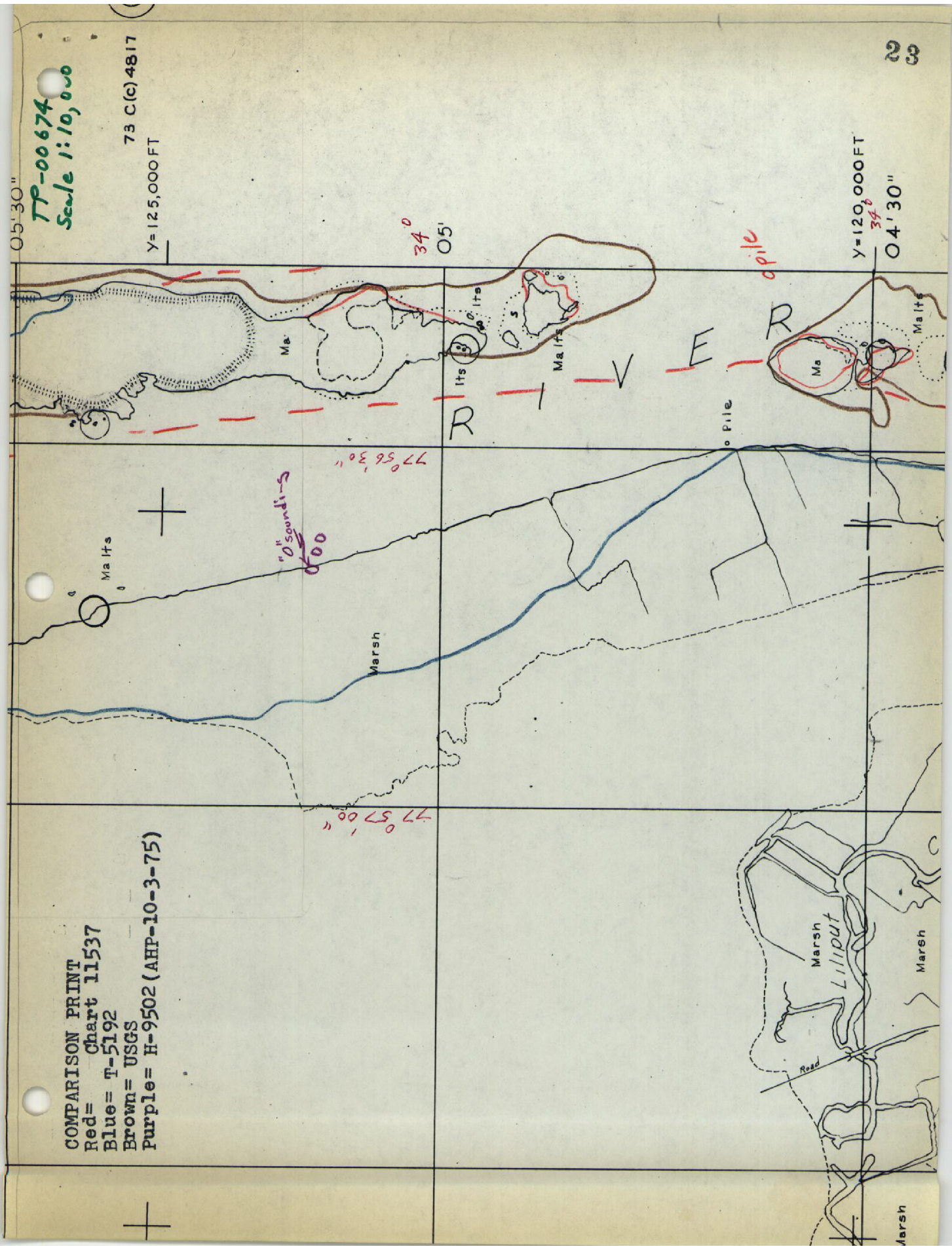
23

Y=120,000 FT

04'30"

34° 05'

pile

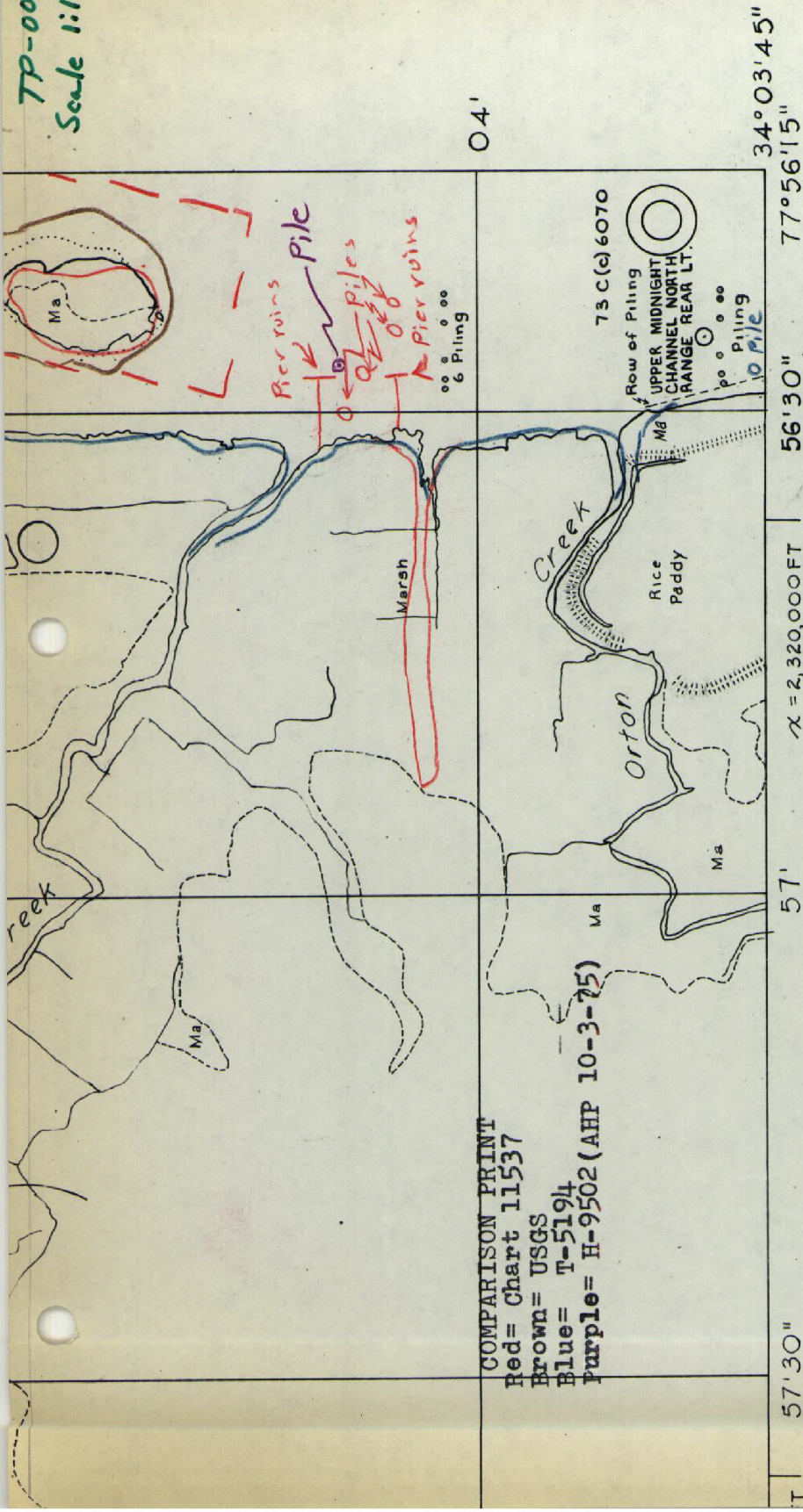


COMPARISON PRINT
 Red= Chart 11537
 Blue= T-5192
 Brown= USGS
 Purple= H-9502 (AHP-10-3-75)

TP-00674
Scale 1:10,000

P-00674

24



04'

34°03'45"
77°56'15"

COMPARISON PRINT
Red = Chart 11537
Brown = USGS
Blue = T-5194
Purple = H-9502 (AHP 10-3-75)

NATIONAL OCEAN SURVEY
SHORELINE MANUSCRIPT
TP-00674
NORTH CAROLINA
LOWER CAPE FEAR RIVER
CAMPBELL ISLAND

SCALE 1:10,000
(1 inch = 833.33 ft)
CONTROL DATA

Polyconic projection: 1927 North American Datum
5,000 foot grid based on North Carolina plane coordinate system
Datum plane: Mean High Water

- Recoverable horizontal control station of less than third-order accuracy
- Approximate mean 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 Nov. 1973
- Date of Field Inspection None
- Date of Field Edit Feb. 1975
- Date of Final Compilation April 1975
- Date of Final Review June 1976

57' 30"

57'

56' 30"

56' 30"

77°56'15"

73 C(c) 6070
Row of Piling
UPPER MIDNIGHT
CHANNEL NORTH
RANGE REAR LT.

Pier ruins
Pile
Pier ruins
Pier ruins
Piling

Marsh

Creek

Orton

Rice Paddy

Ma

Ma

Ma

Ma

reef

TP-00676
Scale 1:10,000

57'30" | 57' | 56'30" | 56'30" | 77°56'15" 34°07'30"

X = 2,320,000 FT

COMPARISON PRINT
Red=Chart 11537
Blue= T-5192
Purple= H-9502
(AHP-10-3-75)
Brown=USGS

Y = 1,950,000 FT

