

TP-00683

TP-00683

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-00683 ..

Classification No. Edition No. 1

Field Edited Map

LOCALITY

State ... North Carolina

General Locality ... Lower Cape Fear River

Locality ... Cape Fear

1972 TO 1975

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, Norfolk, VA		SURVEY TP. 00683 MAP EDITION NO. (1) MAP CLASS Final (F.E.) JOB PH. CM-7218	
OFFICER-IN-CHARGE Jeffrey G. Carlen, CDR.		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> 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 ----- March 7, 1974 Compilation ----- July 15, 1974		Oct. 5, 1973	
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 Polyconic		4. GRID(S) STATE North carolina ZONE STATE ZONE	
5. SCALE 1:10,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY METHOD: Stereoplanigraph LANDMARKS AND AIDS BY		J.E. Schad	Mar., 1973
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Calcomp CHECKED BY		(unknown)	Mar., 1973
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 CONTOURS BY SCALE: 1:20,000 CHECKED BY		F. Margiotta L.O. Neterer NA NA	Mar., 1973 Mar., 1973
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		W.C. Gilbert A.L. Shands NA NA W.C. Gilbert A.L. Shands	Apr., 1973 Apr., 1973 Apr., 1973 Apr., 1973
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		A.L. Shands	Apr., 1973
6. APPLICATION OF FIELD EDIT DATA BY		J. Desch	Mar., 1973
7. COMPILATION SECTION REVIEW BY		Frank Margiotta	Apr., 1973
8. FINAL REVIEW BY		Billy H. Barnes	June 1976
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		S. BLANKENBAKER	SEP 1976
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY			
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		R.F. CATPE	SEP 1976

ESSA FORM 76-36b
(2-70)U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEYTP-00683
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "E" & RC 10 "C"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE CHARLESTON, SC <input checked="" type="checkbox"/> PREDICTED TIDES Southport, NC <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR <input checked="" type="checkbox"/> (P) PANCHROMATIC (I) INFRARED <input checked="" type="checkbox"/>		ZONE Eastern MERIDIAN 75th <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
72E(C) 6738 & 6739	20 Oct. 72	13:50	1:40,000	2.0ft Above MLW	
72E(C) 6868 & 6869	21 Oct. 72	12:15	1:40,000	0.1ft Below MLW	
73C(C) 6079(1)	10 Nov. 73	13:04	1:30,000	+ 0.2ft. of MLW*	
73C(C) 4807(1) & 4808	15 Oct. 73	11:57	1:30,000	+ 0.2ft. of MLW*	

REMARKS

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

2. SOURCE OF MEAN HIGH-WATER LINE:

The MHW line was compiled from 1972 color photography, field edit measurements and profiles before 1973 photos were available. When the 1973 photos became available, comparison was made with them and corrections made where necessary.

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

The MLW line was graphically delineated from the 1973 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	EAST	SOUTH	WEST
TP-00681	No Survey	No Survey	TP-00682

REMARKS

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

HISTORY OF FIELD OPERATIONS.

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	Robert S. Tibbetts	OCT NOV 73
2. HORIZONTAL CONTROL	RECOVERED BY NA ESTABLISHED BY NA PRE-MARKED OR IDENTIFIED BY NA	
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 R.D. Black LOCATED (Field Methods) BY R.D. Black IDENTIFIED BY R.D. Black	OCT NOV 73 OCT NOV 73 OCT NOV 73
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY R.D. Black	OCT NOV 73
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

3. PHOTO NUMBERS (Clarification of details)

72E 6868

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER

OBJECT NAME

PHOTO NUMBER

OBJECT NAME

5. GEOGRAPHIC NAMES:

☐ REPORT☒ NONE

6. BOUNDARY AND LIMITS:

☐ REPORT☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

Film Ozalid - no notes

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

2 - pages List of distances to MHWL

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00683
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.	Apr. 1973	Class III Manuscript Superseded	6/8/73	4/30/73
Field edit applied MHW re-compiled, MLW applied, from 73 photos.				
Compilation Complete	Mar. 1975	Class I Manuscript 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
			NONE

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 5/12/753. ☐ 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 SUBMITTED BY FIELD PARTIES.
 3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:

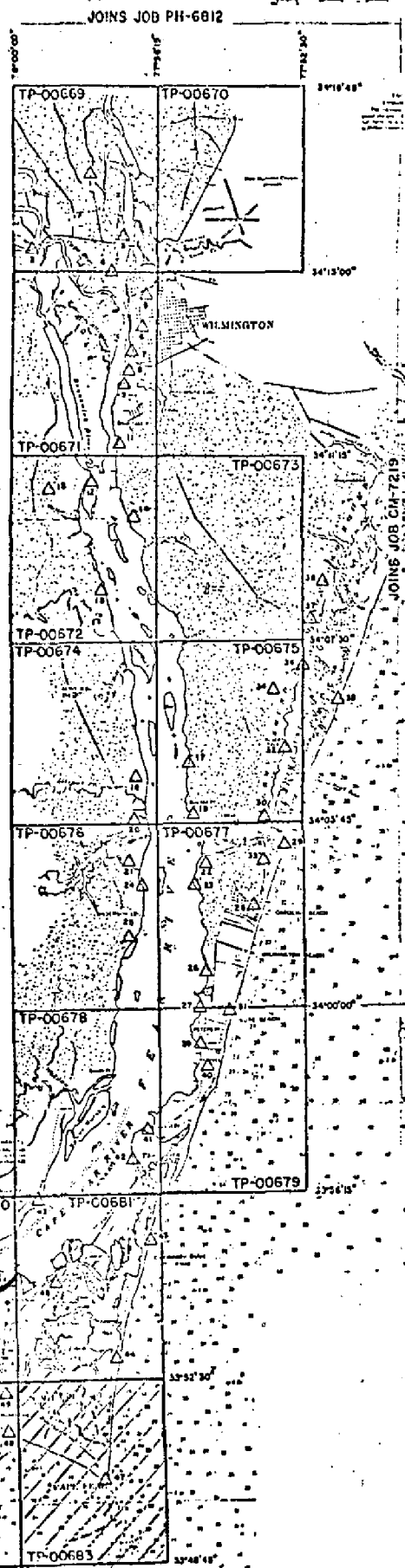
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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 MAPING
 SCALE 1:10,000

Sheet No.	Sq. Miles
TP-00669	11
TP-00670	2
TP-00671	11
TP-00672	9
TP-00673	1
TP-00674	4
TP-00675	6
TP-00676	3
TP-00677	7
TP-00678	9
TP-00679	5
TP-00680	7
TP-00681	13
TP-00682	1
TP-00683	3
Total 92	



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT TP-00683

This 1:10,000 scale 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 I. It falls within the limits of map TP-00705, CM-7219, scale 1:20,000 which is part of the Southern Coastal Plains Expedition or SCOPE project. It was photo reduced and the shoreline used on the final reviewed map TP-00705.

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

Bridging for Part I was done in the Rockville Office in March 1973 using the Zeiss Stereoplanigraph with 1:40,000 scale photography dated October 20, 1972. This bridge is an original part of CM-7219. A copy of the bridging report is included with the Descriptive Report.

Compilation was done at the Atlantic Marine Center in March and April 1973 using the 1972 bridging photographs. The Wild B-8 was used. In October and November of 1973, 1:30,000 scale, color infrared photographs were flown based on predicted mean high and mean low waters. These photographs were used where necessary to revise and update the MH and ML water lines.

Field edit was done in August, 1973.

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.

67

Photogrammetric Plot Report
Job CM-7219
Cape Fear - Cape Lookout, North Carolina
... Part II
March 21, 1973

21. Area Covered

The area covered in this report extends along the North Carolina shoreline from Cape Fear to the vicinity of New River Inlet. Included in this area are 11 T-sheets: TP-00692; TP-00696 thru TP-00705; all are at 1:20,000 scale.

22. Method

Two strips of 1:40,000 color photography were bridged on the Zeiss C-8 stereoplanigraph and adjusted by the IBM computer. The two strips were used to obtain pass point positions for the models and to determine the scale ratio for strips #4, #5, and #6.

Compilation points were positioned on strip #5 to set photos 72E(c) 6756 thru 6760.

Strip #1 (72E(c) 6722 thru 6739) was adjusted on four field identified triangulation stations with five office identified stations as checks.

Strip #2 (72E(c) 6706 thru 6720) was adjusted on five triangulation stations, three tie points and three triangulation stations were used as checks. All horizontal tie points were averaged. T-sheets were ruled on North Carolina plane coordinates and plotted on the Coradomat.

23. Adequacy of Control

Horizontal control complied with project instruction and held within the National Map Accuracy Standard.

24. Supplemental Data

All vertical control needed for adjustment was taken from USGS quadrangles and are approximate mean sea level. The vertical points obtained by bridging are not necessarily true values.

25. Photography

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

Respectfully submitted

James E. Schad

James E. Schad

Approved by:

John D. Perrow, Jr.

John D. Perrow, Jr.
Chief, Aerotriangulation Section

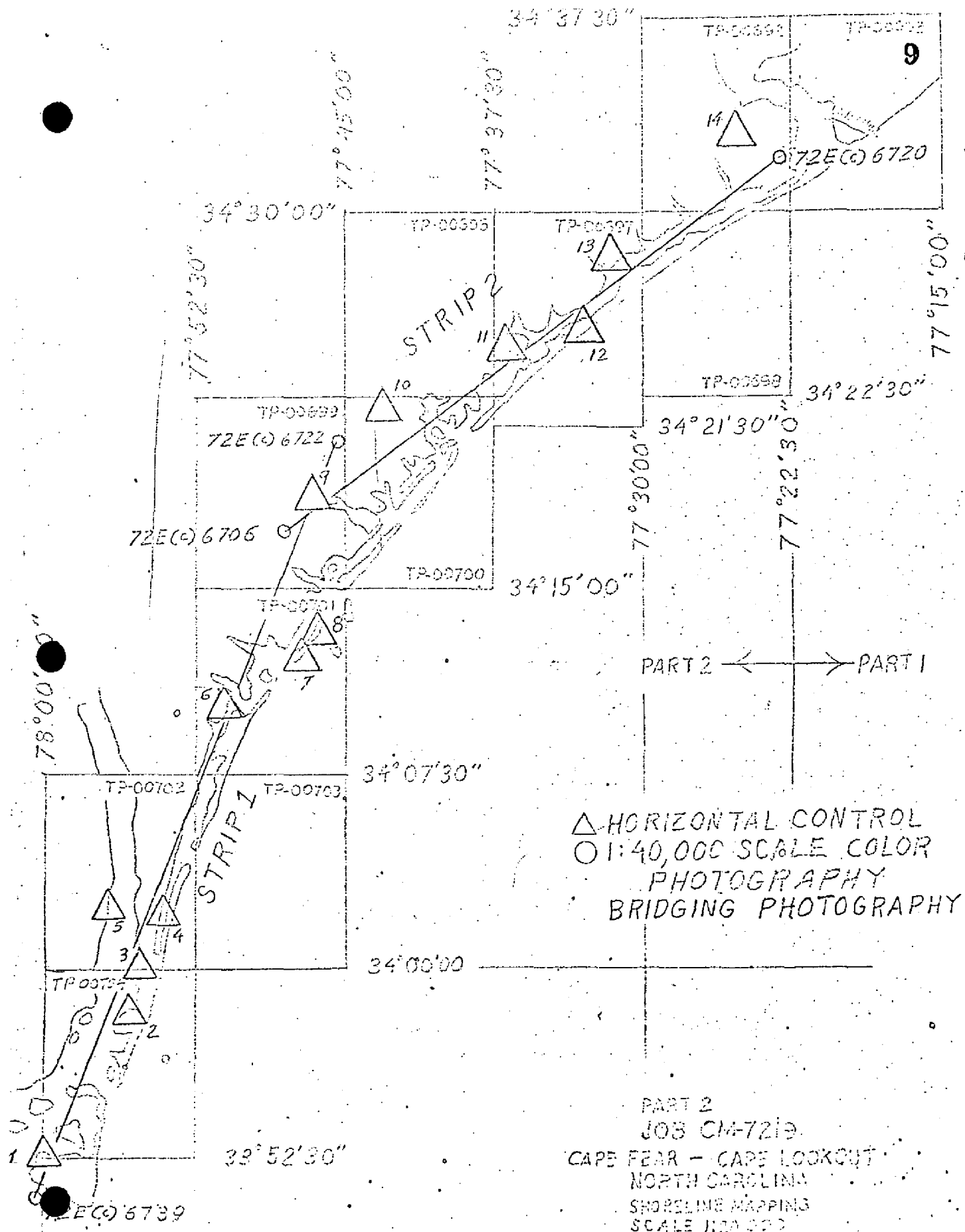
Notes to Compiler
 Job CM-7219
 Cape Fear - Cape Lookout, North Carolina

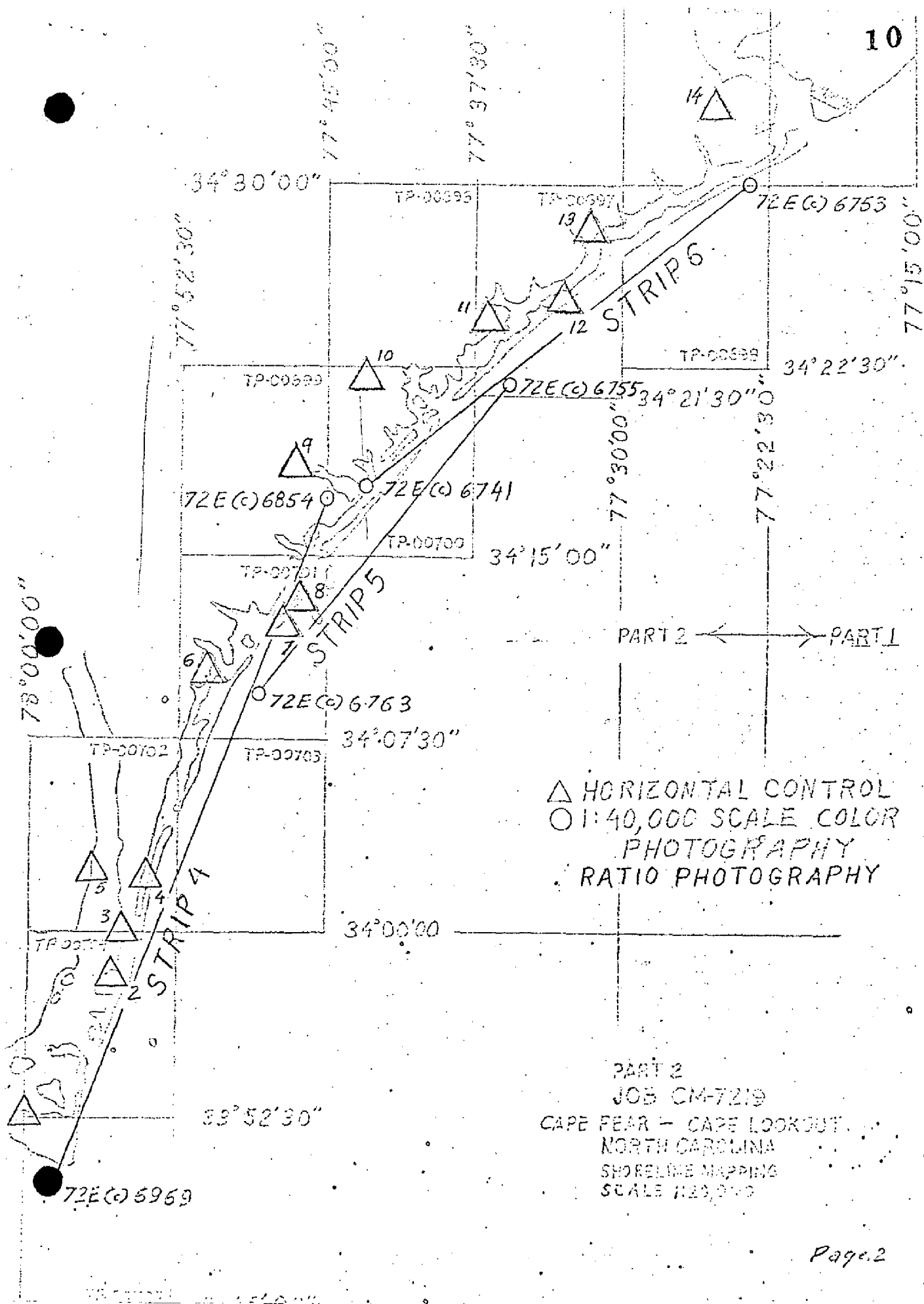
The shoreline area from the vicinity of Mason Inlet to New Topsoil Inlet (TP-00700) must be compiled from strip #5 (72E(c)6756 thru 6760) either by setting the models or by graphic methods. In order to control this area, "900" series points were determined from bridging strip #2.

Beach cross section points, which were field identified on black/white contact print, have been horizontally positioned from bridging strips #1 and #2 and are identified with "400" series numbers.

Strip # 1	Photo number	Field number
	25401	01-02 (68E 3232)
	25400	03-03 (68E 3232)
	26400	01-01 (68E 3419)
	31400	02-01 (68E 3428)
Strip #2	10400	00-01 (68E 3244)
	14400	97-01 (68E 3249)
	16400	97-02 (68E 3252)
	18400	98-02 (68E 3270)
	19400	98-01 (68E 3272)

Ratios of strips #4, 5 and 6 were ordered.
PPD





JOB CM-7219

KEY TO HORIZONTAL CONTROL
USE FOR BRIDGING.

1. BALD HEAD LIGHTHOUSE, 1851
2. FEDERAL POINT, 1913
3. KURE BEACH W.T., 1913
4. CAROLINA BEACH MUN. W.T., 1968
5. RUINS, 1917
6. MASON, 1918
7. WRIGHTSVILLE BEACH SOUTH MUN. W.T., 1962
8. WRIGHTSVILLE BEACH NORTH MUN. W.T., 1962
9. KIRKLAND, 1932
10. HAMPSTEAD 2, 1947
11. ATKINSON, 1914
12. SEARS LANDING, TANK 1943
13. BETHEA, 1932
14. GRANT, 1932

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETIC DATUM		COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY		REMARKS	
					TP-00681	CM7218	STATE	ZONE	NA 1927	North Carolina	O	φ	λ	LONGITUDE "
	BUZZARD, 1962		Vol. III Pg. 2844			X=	φ33	52	46.37366				1428.8	(419.8)
						Y=	λ77	57	26.11065				671.0	(871.0)
	THREE CEDARS (USE), 1905		Vol. II Pg. 558			X=	φ33	53	39.041				1202.9	(645.7)
						Y=	λ77	59	14.877				382.3	(1159.4)
	BALD HEAD SHOAL CHANNEL RANGE FRONT LIGHT, 1962		Vol. III Pg. 2851			X=	φ33	53	00.404				12.4	(1836.2)
						Y=	λ77	59	47.001				1207.8	(334.1)
	BALD HEAD SHOAL CHANNEL RANGE REAR LIGHT, 1962		Vol. III Pg. 2851			X=	φ33	53	45.315				1396.2	(452.4)
						Y=	λ77	58	55.991				1438.6	(103.1)
						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.				DATE	3/29/73	COMPUTATION CHECKED BY		F.P. Margiotta		DATE		4/4/72	
LISTED BY					DATE		LISTING CHECKED BY				DATE			
HAND PLOTTING BY					DATE		HAND PLOTTING CHECKED BY				DATE			

COMPILATION REPORT

TP-00683

31. DELINEATION

Delineation was by the Wild B-8 stereoplotter. Color bridging photography at 1:40,000 scale originally intended for mapping of CM-7219 at 1:20,000 scale. CM-7219 was a part of the SCOPE project and no hydro-support data was compiled. The ratios were processed for office use only.

32. CONTROL

See the CM-7219 Photogrammetric Plot Report, Part II dated March 21, 1973.

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 photographs, which were tide coordinated. (See Form 76-36b)

36. OFFSHORE DETAILS

None

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

The Frying Pan Shoals area was only approximately located on the manuscript. It falls beyond the area of stereo coverage of the B-8 model.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with the following U.S. Geological Survey Quadrangle: CAPE FEAR, N.C., scale 1:24,000, dated 1942.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey charts: 1235, scale 1:80,000, 9th edition, dated May 1, 1971 and 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:

Albert C. Rauck, Jr.
for W.G. Gilbert
Carto. Aid, April 10, 1973

Approved:

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

ADDENDUM TO THE COMPILATION REPORT

TP-00683

FIELD EDIT

Field edit was adequate - all questions were answered.

The shoreline was recompiled from 1973 MHW photography, and the MLW line was added from the 1973 MLW photographs. See Item #1, Form 76-36b.

The road cutting Smith Island diagonally from NW to SE was labeled ddL (in pencil, on the manuscript), the solid line was changed to a dashed line.

2 Oct. 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00683

Atlantic Ocean

Bald Head Creek

Bald Head Island

Bluff Island

Cape Creek

Cape Fear

Deep Creek

East Beach

Fishing Creek

Frying Pan Shoals

Long Bay

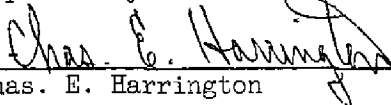
Middle Island

Onslow Bay

Smith Island

Yellow Bluff

Approved by


Chas. E. Harrington
Staff Geographer--C51x2

FORM C&GS-1002 (9-66)		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW T.P-00683			
1. PROJECTION AND GRIDS A.L.S.	2. TITLE A.L.S.	3. MANUSCRIPT NUMBERS A.L.S.	4. MANUSCRIPT SIZE A.L.S.
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) N.A.	7. PHOTO HYDRO STATIONS A.L.S.	
8. BENCH MARKS N.A.	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT Original Report of CM-7219 A.L.S.	11. DETAIL POINTS A.L.S.
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE A.L.S.	13. LOW-WATER LINE XX	14. ROCKS, SHOALS, ETC. A.L.S.	15. BRIDGES XX
16. AIDS TO NAVIGATION XX	17. LANDMARKS XX	18. OTHER ALONGSHORE PHYSICAL FEATURES A.L.S.	19. OTHER ALONGSHORE CULTURAL FEATURES A.L.S.
PHYSICAL FEATURES			
20. WATER FEATURES A.L.S.	21. NATURAL GROUND COVER N.A.	22. PLANETABLE CONTOURS N.A.	
23. STEREOSCOPIC INSTRUMENT CONTOURS N.A.	24. CONTOURS IN GENERAL N.A.	25. SPOT ELEVATIONS N.A.	26. OTHER PHYSICAL FEATURES
CULTURAL FEATURES			
27. ROADS A.L.S.	28. BUILDINGS A.L.S.	29. RAILROADS XX	30. OTHER CULTURAL FEATURES XX
BOUNDARIES			
31. BOUNDARY LINES N.A.		32. PUBLIC LAND LINES N.A.	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES A.L.S.	34. JUNCTIONS A.L.S.	35. LEGIBILITY OF THE MANUSCRIPT A.L.S.	
36. DISCREPANCY OVERLAY A.C.R.	37. DESCRIPTIVE REPORT A.L.S. and A.C.R.	38. FIELD INSPECTION PHOTOGRAPHS XX	39. FORMS A.L.S.
40. REVIEWER A.L. Shands 4/12/73		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 J. Desch 3/31/75 F. Margiotta 4/21/75		SUPERVISOR Albert C. Rauck, Jr.	
43. REMARKS Field edit applied from field edit ozalid and photo 72 E 6868.			



**U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration**

Photo Party 62
P.O. Box 3044
Wilmington, N.C. 28401

Date: 12 Dec. 1973

Reply to
Attn of: Chief, Photo Party 62

Subject: Field Edit Report

TP-00683

Cape Fear

To: Coastal Mapping Compilation Section CAM 521

51. Methods

All deletions, additions, corrections and answers to office questions are referred to on the "FIELD EDIT OZALID - Field Copy". All field edit writing is in purple ink, except that deletions are in green ink.

Roads on photo E-6868 were inadvertently classified as per page 424 of Topographic Manual Part II.

MHWL measurements were made with a tape from hydrographic control stations, see attachments.

52. Accuracy of compilation

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

53. Map accuracy

No accuracy tests were made.

54. Recommendations

None.

55. Examination of proof copy

Mr. Jerry R. Mitchell of Wm. F. Freeman Associates has done a great deal of land surveying in this area. His mailing address and phone number follow: Mr. Jerry R. Mitchell

Wm. F. Freeman Associates
P.O. Box 2103
High Point, N.C. 27261

Phone: 885-4031

56. Field editors

Field edit of this manuscript was done by Lt.(jg) R. David Black and Mr. Joel J. Marin. Work was supervised by Mr. Robert S. Tibbetts, Chief Photo Party 62. If there are any questions concerning this field edit, please contact the Chief, Photo Party 62 at the address above, or phone FTS 919-763-9544 or commercial 919-763-9971 Ext. 544.

R. David Black
R. David Black
Lt.(jg) NOAA

July - Aug. 1973

STATION NAME	X coordinate	Y coordinate	Distance to M.H.W.L.
B1	2,301,211.23	41,451.06	23 ft. —
B2	2,302,103.14	40,811.87	29 ft. —
B3	2,303,474.70	40,167.99	93 ft. —
B4	✓2,304,568.30	39,653.96	22 ft. —
B5	✓2,305,959.25	39,221.89	80 ft. —
B6	✓2,307,244.91	38,706.45	19 ft. —
B7	✓2,308,617.68	38,252.26	91 ft. —
B8	✓2,309,988.38	37,650.15	137 ft. —
B9	✓2,311,291.43	36,901.99	69 ft. —
B10	✓2,312,273.19	36,431.30	149 ft. —
B11	✓2,313,682.47	35,420.53	27 ft. —
B12	✓2,315,322.68	35,831.75	272 ft. —
BUZZARD 1962	2,316,552.56 ^{1.90}	48,813.85 ³⁷	225 ft. —
VUB	2,317,465.48	53,275.13	239 ft. —
MARK	✓2,315,542.29	40,396.33	145 ft. —
BAT	2,320,178.43	64,752.77	
COW	2,320,579.69	66,154.67	
ACE	2,319,759.41	63,347.88	
DUN	2,319,146.63	58,932.30	47 ft. —
RED	2,319,925.21	61,855.34	
OL1	2,319,596.47	60,621.14	10 ft. —
POL	2,317,961.30	55,879.23	290 ft. —
OL2	2,318,549.95	57,395.42	264 ft. —

July - Aug. 1973

STATION NAME	x coordinate	y coordinate	Distance to MHWL
312	✓2,315,183.06	34,852.77	12 ft.
OL 3	2,317,294.00	52,162.36	163 ft.
OL 4	2,316,826.94	49,853.38	183 ft.
RAT	2,317,092.71	50,858.36	138 ft.
SIG	✓2,315,893.75	42,992.72	115 ft.
321	✓2,316,396.68	47,487.87	142 ft.
320	✓2,316,180.03	45,637.72	91 ft.
319	✓2,316,013.12	44,212.33	168 ft.
PR1	2,317,576.03	54,360.36	346 ft.
317	✓2,315,744.54	41,694.72	91 ft.
315	✓2,315,470.21	39,049.89	210 ft.
314	✓2,315,422.39	37,306.50	227 ft.

REVIEW REPORT TP-00683

SHORELINE

June 1976

61. GENERAL STATEMENT:

See Summary which is page six of this Descriptive Report.

Project instructions for Job CM-7218, Part I, dated Feb. 27, 1973 state that hydro support photographs should be processed. Since Del Norte was used to fix positions, hydro support photos were not required and were not processed.

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 paragraphs 62 through 65 is included with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with T-8203, scale 1:20,000, dated 1942. Significant differences are shown in blue on the comparison print. In the area compared, TP-00683 supersedes T-8203 for nautical chart construction purposes. T-8203 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 CAPE FEAR, 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 verified smooth sheet H-9398 (PE-20-3-73), scale 1:20,000, dated 1973. The high water line on the final reviewed TP sheet was moved from the shoreline as shown on the hydro sheet. This was a result of "tide coordinated" photography being taken of this area in October and November of 1973. The shoreline was revised using this photography. This and other significant differences are shown in purple on the comparison print.

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, 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 Summary 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:

A. K. Hargrove

Chief, Photogrammetric Branch

James T. Hargrove

Chief, Coastal Mapping Division

x = 2,315,000 FT.

24

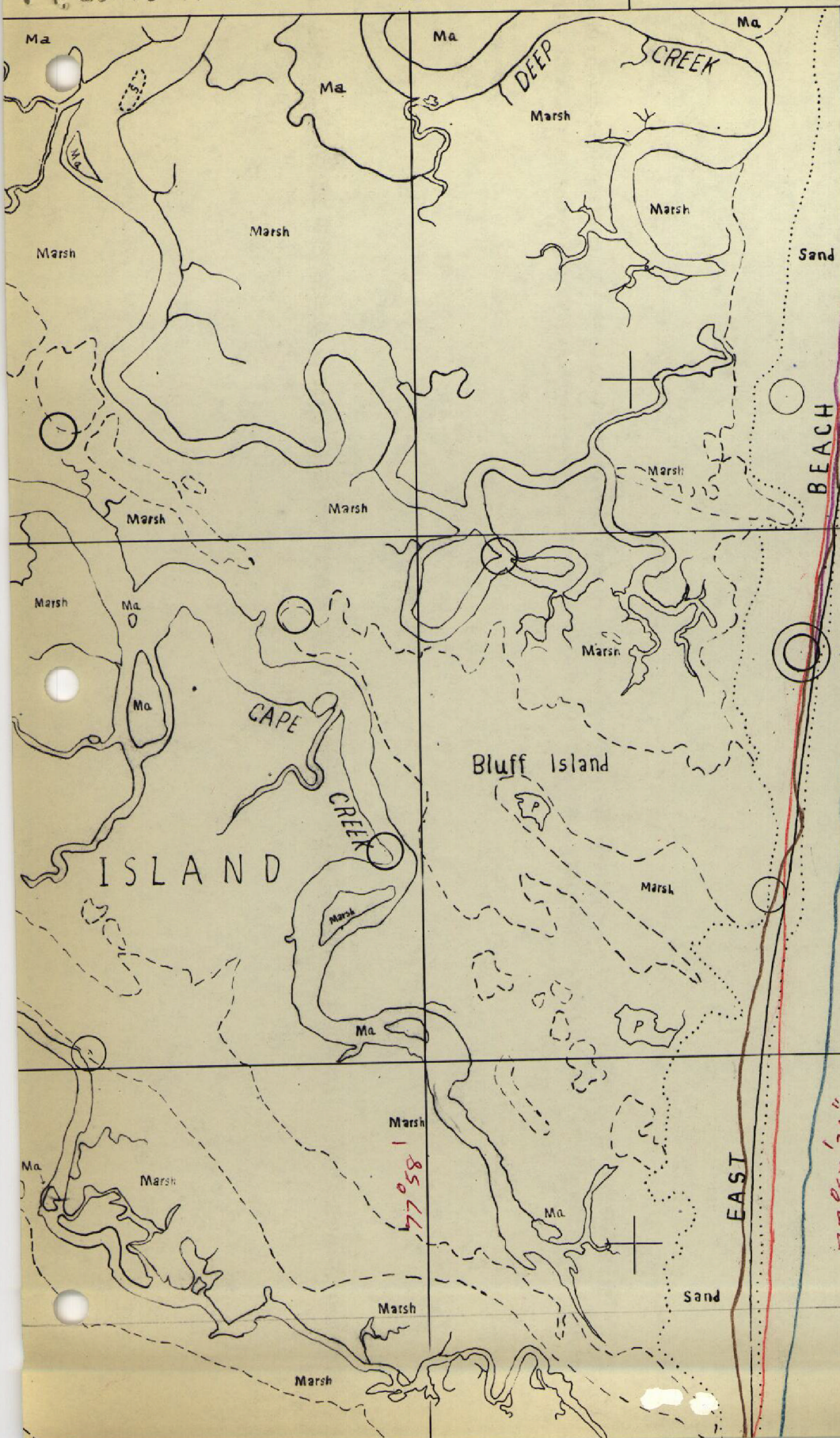
JOINS TP-00681

58

57' 30"

33° 52' 30"

TP-00683
Scale 1:10,000



72 ECI-6868

COMPARISON PRINT

Red = Chart 11537

Blue = T-8203

Purple = H-9398

Brown = USGS QUAD

BAY

ON SLOW

33° 51' 30"

33° 52' 30"

Shoreline subject to
frequent change

TP-00683
Scale 1:10,000

25

CAPE FEAR

COMPARISON PRINT
Red= Chart 11537
Blue= T-8203
Purple= H-9398
Brown= USGS QUAD

Subject to
frequent change

Frying

This area subject to
pain

frequent shoaling

72 E(C)-6869

85062

7706130
X

TP-00683
Scale 1:10,000

26

Shoreline subject to
frequent change

77°59'00"

BAY

COMPARISON PRINT
Red= Chart 11537
Blue= T-8203
Purple= H-9398
Brown= USGS QUAD

73 C(C) 4807 (I)

77°59'30"

78°00'00"

JOINS TP-00682

33° 51'

y=40,000 FT.

33° 51'30"

T2E(6)G139

HEAD

ISLAND

Marsh

BALD

77°59'30"