

TP-00693



TP-00693

NOAA FORM 76-35 U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY <h2 style="text-align: center;">DESCRIPTIVE REPORT</h2>	
Type of Survey Shoreline	
Job No. CM-7219	Map No. TP-00693
Classification No.	Edition No. 1
Field Edited Map	
<h3>LOCALITY</h3>	
State North Carolina	
General Locality Cape Fear to Cape Lookout	
Locality New River Inlet	
<hr/> 1973 TO 1975	
<h3>REGISTRY IN ARCHIVES</h3>	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY TP. <u>00693</u>	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. <u>(1)</u>	
				<input type="checkbox"/> RESURVEY		MAP CLASS <u>Final(F.E.)</u>	
				<input type="checkbox"/> REVISED		JOB XXXX <u>CM-7219</u>	
PHOTOGRAMMETRIC OFFICE				LAST PRECEDING MAP EDITION			
Coastal Mapping Division, Norfolk, VA				TYPE OF SURVEY		JOB PH. _____	
				<input type="checkbox"/> ORIGINAL		MAP CLASS _____	
OFFICER-IN-CHARGE				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
Jeffrey G. Carlen, Cdr.				<input type="checkbox"/> REVISED		19__ TO 19__	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Oct. 9, 1974 Compilation Sept. 26, 1974 Aerotriangulation				Sept. 21, 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				4. GRID(S)			
Polyconic				STATE		ZONE	
				North Carolina			
5. SCALE				STATE		ZONE	
1:20,000							
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY D. Norman						Sept. 1974	
METHOD: Analytic				LANDMARKS AND AIDS BY			
2. CONTROL AND BRIDGE POINTS PLOTTED BY Keating						Sept. 1974	
METHOD: Coradomat				CHECKED BY Keating		Sept. 1974	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY R.R. White						Oct., 1974	
COMPILATION				CHECKED BY L.O. Neterer		Oct., 1974	
INSTRUMENT: Wild B-8				CONTOURS BY NA			
SCALE: 1:30,000				CHECKED BY NA			
4. MANUSCRIPT DELINEATION PLANIMETRY BY J.R. Minton						Oct., 1974	
Wild B-8 & Graphic				CHECKED BY R.R. White		Oct., 1974	
METHOD: Smooth Drafted				CONTOURS BY NA			
				CHECKED BY NA			
SCALE: 1:20,000				HYDRO SUPPORT DATA BY NA			
				CHECKED BY NA			
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY R.R. White						Oct., 1974	
6. APPLICATION OF FIELD EDIT DATA BY A.L. Shands						Feb., 1975	
				CHECKED BY J.R. Minton		May, 1975	
7. COMPILATION SECTION REVIEW BY J.R. Minton						May, 1975	
8. FINAL REVIEW BY C.H. Bishop						Mar., 1976	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY							
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY							
11. MAP REGISTERED - COASTAL SURVEY SECTION BY R.T. CATDR						AUG 1976	

NOAA FORM 76-36B (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY			
TP-00693					
COMPILATION SOURCES					
1. COMPILATION PHOTOGRAPHY					
CAMERA(S) Wild RC-10 "C"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE HAMPTON ROADS		(C) COLOR X (P) PANCHROMATIC (I) INFRARED X		ZONE	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES Bogue Inlet <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				Eastern	<input type="checkbox"/> DAYLIGHT
				MERIDIAN	75th
NUMBER AND TYPE		DATE	TIME	SCALE	STAGE OF TIDE
* 73C(C)(I)4667 - 4669		13 OCT 73	09:25	1:60,000	2.5 ft. above MLW
** 73C(C)(I)6152		11 NOV 73	14:15	1:60,000	±0.2 ft. of MLW
** 73C(C)(I)4769		13 OCT 73	14:38	1:60,000	±0.2 ft. of MLW
** 73C(C)(I)4919 - 4921		18 OCT 73	10:15	1:60,000	±0.2 ft. of MHW
REMARKS					
*Bridge and compilation photos (predicted tides). **Tide coordinated photos at MHW and MLW 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 photography listed in 1 above. *Based on predicted tides.					
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. *Based on predicted tides.					
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 No Contemporary Survey		EAST TP-00694		SOUTH No Contemporary Survey	
				WEST TP-00692	
REMARKS					

TP-00693

HISTORY OF FIELD OPERATIONS

I. FIELD INSPECTION OPERATION FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	Robert S. Tibbetts	Jan. 1975
2. HORIZONTAL CONTROL	RECOVERED BY	Richard E. Kesselring
	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. E. Kesselring
	LOCATED (Field Methods) BY	NA
	IDENTIFIED BY	R. E. Kesselring
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	BY
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	R. E. Kesselring
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED: None
2. VERTICAL CONTROL IDENTIFIED: None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)
73 C 4769

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
73 C 4769	Observation Tower		

5. GEOGRAPHIC NAMES: REPORT NONE
6. BOUNDARY AND LIMITS: REPORT NONE

7. SUPPLEMENTAL MAPS AND PLANS
None

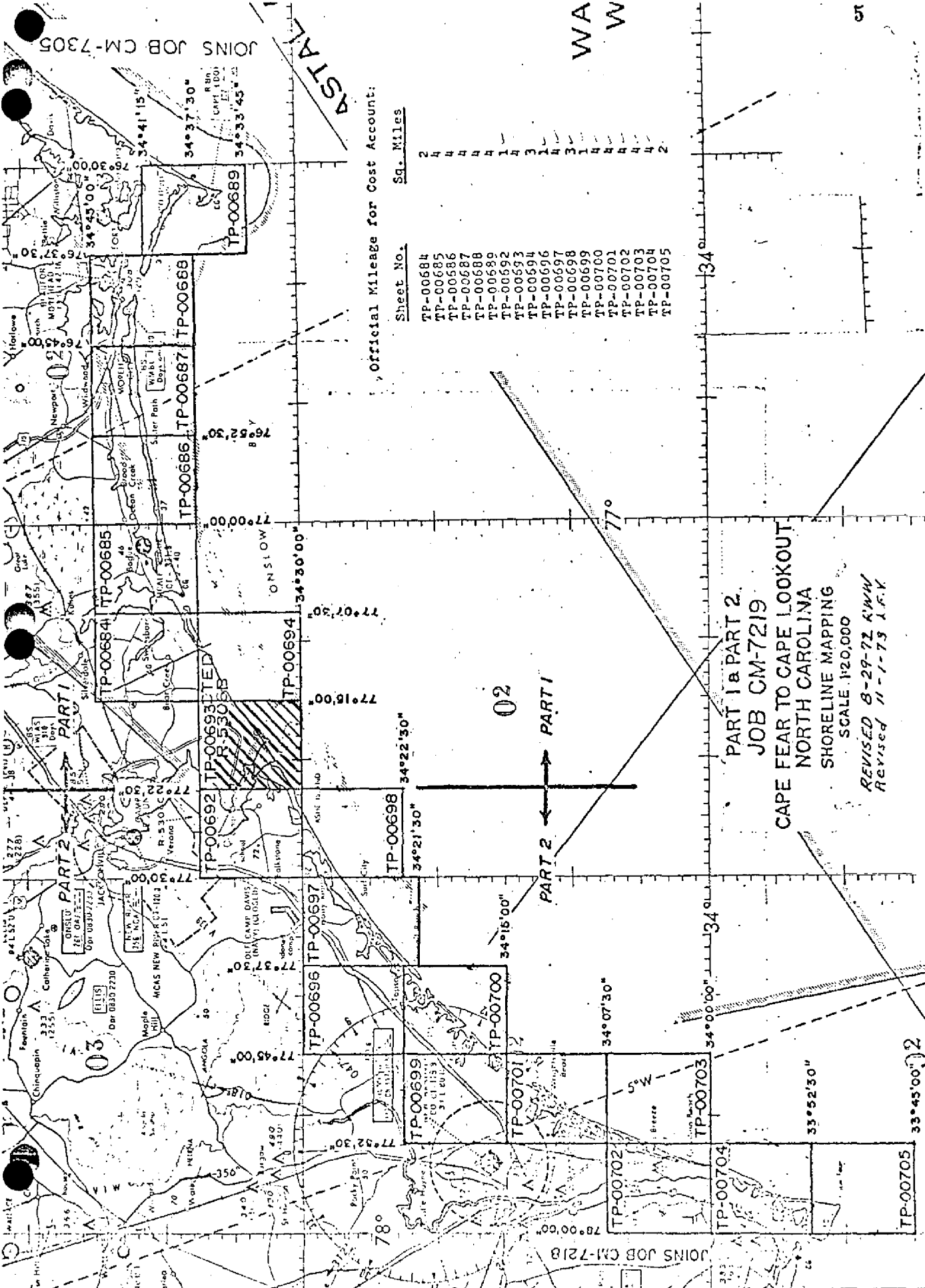
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)
1 Form 76-53 Control Station Identification
2 Form 76-40 Nonfloating Aids or Landmarks for Charts
1 Field Edit Report
1 Field Edit Ozalid

I. MANUSCRIPT COPIES				
COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete, pending field edit	Oct. 1974	Class III Manuscript Superseded	11/27/74	12/2/74
Field edit applied Compilation complete	Feb. 1975	Class I Manuscript Superseded	6/3/74	
Final Review	Mar. 1976			

II. LANDMARKS AND AIDS TO NAVIGATION			
1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH			
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
3		6/4/75	Landmarks for Charts
1		6/4/75	Landmark for Deletion
2. <input type="checkbox"/> REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: <u>6/4/75</u>			
3. <input type="checkbox"/> REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____			

III. FEDERAL RECORDS CENTER DATA	
1. <input checked="" type="checkbox"/> BRIDGING PHOTOGRAPHS; <input checked="" type="checkbox"/> DUPLICATE BRIDGING REPORT; <input type="checkbox"/> COMPUTER READOUTS.	
2. <input checked="" type="checkbox"/> CONTROL STATION IDENTIFICATION CARDS; <input checked="" type="checkbox"/> FORM NOS. ⁷⁶⁻⁴⁰ 76-40 SUBMITTED BY FIELD PARTIES.	
3. <input checked="" type="checkbox"/> SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:	
4. <input type="checkbox"/> 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	



PART 1a PART 2
 JOB CM-7219
 CAPE FEAR TO CAPE LOOKOUT
 NORTH CAROLINA
 SHORELINE MAPPING
 SCALE 1:20,000
 REVISED 8-29-72 R.W.W.
 REVISED 11-1-73 A.C.V.

TP-00705

TP-00704

TP-00703

TP-00702

TP-00701

TP-00700

TP-00699

TP-00698

TP-00697

TP-00696

TP-00695

TP-00694

TP-00693

TP-00692

TP-00691

TP-00690

TP-00689

TP-00688

TP-00687

TP-00686

TP-00684

TP-00685

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORTS TP-00684 through TP-00689,
TP-00693 and TP-00694

Project CM-7219 is one of several projects that comprise the Southern Coastal Plains Expedition. It is a 1:20,000 scale shoreline mapping project which contains eighteen maps. They are not standard surveys because compilation was limited to the ocean shoreline and only a limited amount of interior detail. Shoreline of bays, inlets, canals or rivers that may be within the geographic limits of the maps were not delineated. This deviation from written instructions was brought about by verbal instructions telephoned from the Rockville Office to the Chief, Coastal Mapping Section, AMC.

The area covered is from Cape Fear to Cape Lookout, N.C. Because of different times of photography, the area was divided into two parts for bridging and compilation purposes. This summary is for Part I which extends from New River Inlet eastward to Cape Lookout.

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

Bridging was done in the Rockville Office in September, 1974, by analytic triangulation methods, using 1:60,000 scale color infrared photography taken in October, 1973. Points were established for determining ratios of mean high water and mean low water photography.

Compilation was done at the Atlantic Marine Center in October and November, 1974, using the color infrared photographs taken at mean high and mean low water for office interpretation of the mean high water line and mean low water line respectively.

Field edit was done in January, 1975. With the exception of Map TP-00694, edit of the maps discussed in this summary is complete.

The entire area of TP-00694 is part of Camp Lejeune Military Reservation and is used as a bombing and artillery range. The field editor was denied entrance to this prohibited area. All that he could deliver in the way of edit was the east and west limits of the prohibited area and ascertain the absence of landmarks and fixed aids to navigation. Edit of this map is incomplete and the map classification remains Class III.

The original manuscripts were stabilene sheets 7 1/2 minutes in latitude by 7 1/2 minutes in longitude.

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

Photogrammetric Plot Report
Cape Lookout to Cape Fear
North Carolina
Part 1
Job CM-7219
September, 1974

- 21. Area Covered - This report pertains to 8 sheets between Cape Lookout and the New River in North Carolina. The sheets are TP-00684 thru TP-00689, TP-00693, and TP-00694.
- 22. Method - Two strips of 1:60,000 scale color IR photography were bridged by analytic aerotriangulation methods and adjusted to ground in the North Carolina State Plane Coordinate System. Points were established for determining ratios of color infra-red, MLW, and MHW support photography.
- 23. Adequacy of Control - The control was adequate.
- 24. Supplemental Control - U.S.G.S. topographic quadrangles were used to determine elevation of points for strip adjustment.
- 25. Photography - The photography was adequate.

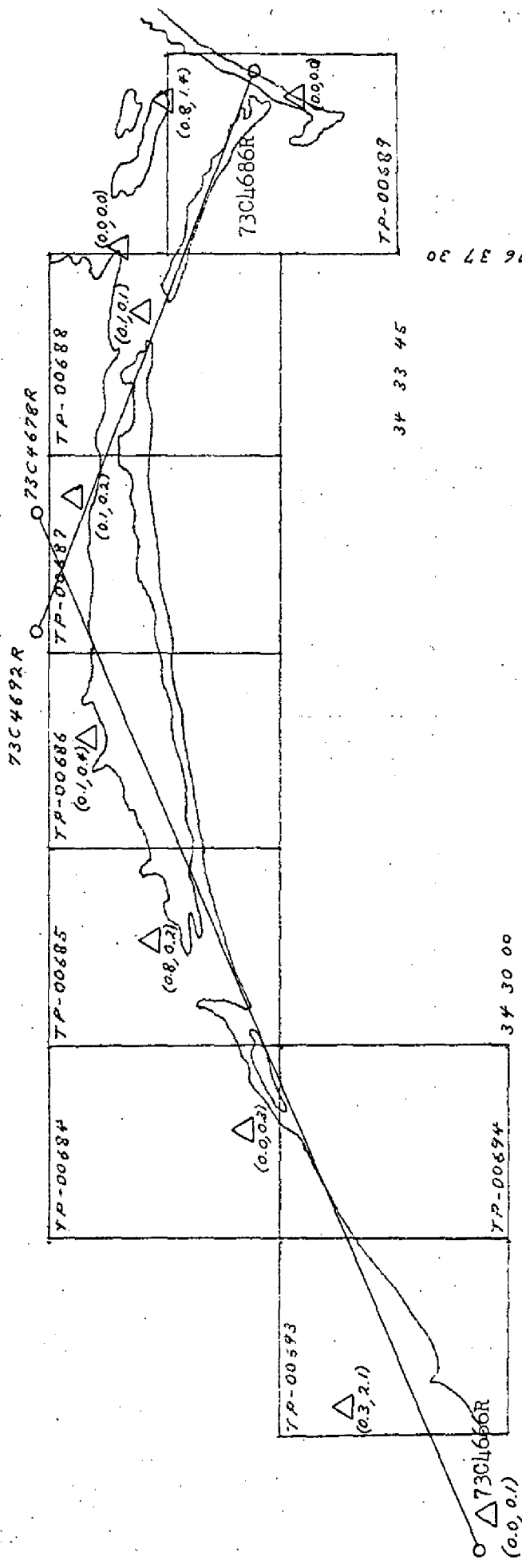
Submitted by,

Don O. Norman
Don O. Norman

Approved by:

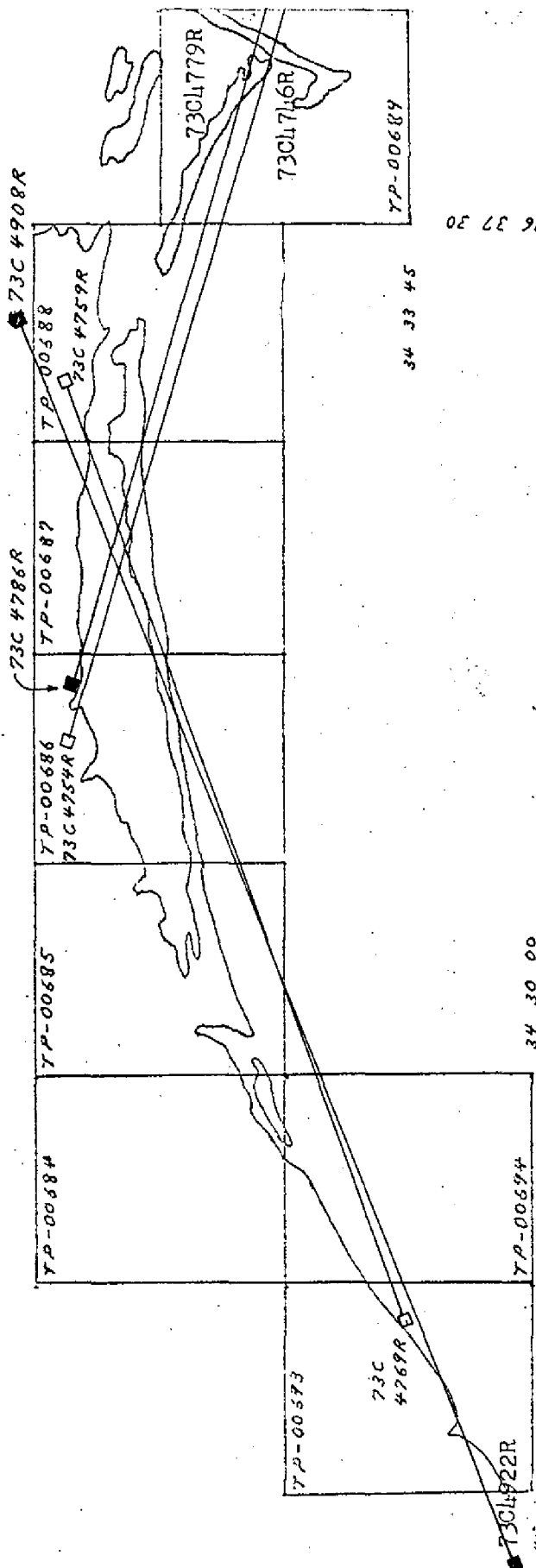
John D. Perrow, Jr.

John D. Perrow, Jr.
Chief, Aerotriangulation Section



AEROTRIANGULATION SKETCH
 CAPE LOOKOUT TO CAPE FEAR
 NORTH CAROLINA
 PART 1
 JOB CM-7219
 September, 1974

0 1:60000 Bridging Photos color IR



AEROTRIANGULATION SKETCH
 CAPE LOOKOUT TO CAPE FEAR
 NORTH CAROLINA
 PART 1
 JOB CM-7219
 September, 1974

- 1:60000 color IR MLW
- 1:60000 color IR MHW

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	GEODETIC DATUM		COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY		REMARKS
					STATE	ZONE	STATE	ZONE	φ	λ	φ	λ	
TP-00693		CM-7219				N.A. 1927						Coastal Mapping Section, AMC	
VIEW, 1932		G.P. Vol. 3 Pg. 2887			x=	North Carolina	x=	φ 34	λ 31	22.20920			684.4 (1164.4)
TOWER NINE, 1947		G.P. Vol. 3 Pg. 2889			y=		y=	λ 77	21	19.00125			484.6 (1045.7)
TRAPS, 1962		G.P. Vol. 3 Pg. 2896			x=		x=	φ 34	31	31.00837			955.5 (893.3)
ONSLOW BEACH, CAMP LEJEUNE, U.S.M.C. WATER TANK, 1962		G.P. Vol. 3 Pg. 2900			y=		y=	λ 77	20	46.01899			1173.7 (356.5)
					x=		x=	φ 34	31	55.12644			1698.7 (150.1)
					y=		y=	λ 77	20	05.28854			134.9 (1395.2)
					x=		x=	φ 34	34	05.59032			172.3 (1676.5)
					y=		y=	λ 77	16	27.30283			696.0 (833.5)
					x=		x=	φ					
					y=		y=	λ					
					x=		x=	φ					
					y=		y=	λ					
					x=		x=	φ					
					y=		y=	λ					
					x=		x=	φ					
					y=		y=	λ					
COMPUTED BY	A.C. Rauck, Jr.												DATE 10/7/74
LISTED BY													DATE
HAND PLOTTING BY													DATE
COMPUTATION CHECKED BY J.R. Minton												DATE 10/7/74	
LISTING CHECKED BY												DATE	
HAND PLOTTING CHECKED BY												DATE	

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

COMPILATION REPORT

TP-00693

31. DELINEATION

This map was not delineated as a standard shoreline survey. See Summary, page 6 of this Descriptive Report.

Delineation of interior details was by the Wild B-8 stereo-plotter, using the bridging photography. Pass points common to the tide coordinated infrared photographs were dropped when the models were set. The mean high and mean low water lines were compiled graphically from office interpretation of the tide coordinated photography, using the pass points for control.

32. CONTROL

See the attached Photogrammetric Plot Report, dated: September, 1974.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are not applicable to the project. No drainage was delineated.

35. SHORELINE AND ALONGSHORE DETAILS

Alongshore details were delineated by the Wild B-8 stereo-plotter and by office interpretation of the photographs.

Both the mean high and mean low water lines were delineated graphically from the tide coordinated infrared photographs.

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

No statement

46. COMPARISON WITH EXISTING MAPS

A comparison was made with U.S.G.S. Quadrangle NEW RIVER INLET, N.C., 1:24,000 scale, dated 1952, and with C.&G.S. prior survey T-9399, 1:10,000 scale, dated 1954.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following National Ocean Survey chart:
 No. 11234, 1:40,000, March 1973 (C&GS 833-SC)
 No. 11249, 1:80,000, April 1972 (C&GS 1234)
 No. 11250, 1:40,000, Oct. 1972 (C&GS 777)

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

James R. Minton
 J.R. Minton
 Carto. Aid, Oct. 21, 1974

Approved:

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

ADDENDUM TO THE COMPILATION REPORT

TP-00693

FIELD EDIT

Field Edit was adequate in all regards.

16 Oct. 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7219 (Cape Fear to Cape Lookout, N.C.)

TP-00693

Atlantic Ocean

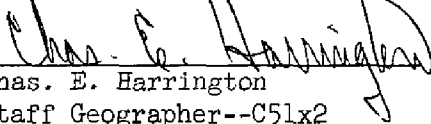
Hurst Beach

New River Inlet

Onslow Bay

Onslow Beach

Approved by


Chas. E. Harrington
Staff Geographer--C51x2

NOAA FORM 75-74 (7-75)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW			
TP - 00693			
1. PROJECTION AND GRIDS RRW	2. TITLE RRW	3. MANUSCRIPT NUMBERS RRW	4. MANUSCRIPT SIZE RRW
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY RRW	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	10. PHOTOGRAMMETRIC PLOT REPORT RRW	11. DETAIL POINTS
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE RRW	13. LOW-WATER LINE RRW	14. ROCKS, SHOALS, ETC. RRW	15. BRIDGES
16. AIDS TO NAVIGATION	17. LANDMARKS RRW	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
PHYSICAL FEATURES			
20. WATER FEATURES RRW	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
CULTURAL FEATURES			
27. ROADS RRW	28. BUILDINGS RRW	29. RAILROADS	30. OTHER CULTURAL FEATURES
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES RRW	34. JUNCTIONS RRW		35. LEGIBILITY OF THE MANUSCRIPT RRW
36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT RRW	38. FIELD INSPECTION PHOTOGRAPHS NA	39. FORMS RRW
40. REVIEWER Richard R. White <i>RR White</i> 10/24/74		SUPERVISOR, REVIEW SECTION OR UNIT Albert C. Rauck, Jr. <i>Albert C. Rauck, Jr.</i>	
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 A.L. Shands Reviewed: J.R. Minton <i>A.L. Shands</i> 2/6/75 5/20/75		SUPERVISOR Albert C. Rauck, Jr. <i>Albert C. Rauck, Jr.</i>	
43. REMARKS Field edit applied from Field Edit Ozalid TP-00693 and Field Photo 73 C(C)-4769			

FIELD EDIT REPORT
JOB CM-7219
CAPE FEAR TO CAPE LOOKOUT, NORTH CAROLINA
MP TP-00693

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. No significant changes or deviations were noted in the MHWL. Two additional buildings were recommended for charting. They were indicated on the field edit ozalid and cross-referenced to the proper photograph.

54. Recommendations

There are no recommendations.

56. Landmarks and Non-Floating Aids for Navigation

There are three nautical landmarks within the compiled limits of this map. Two of them were correctly compiled, were verified by the field editor and were entered on Form 76-40. The third object, Onslow Beach, Military Observation Range Tower, 1962, has been torn down and rebuilt about 120 feet southwest of its original location. The new tower was identified on photo 73C 4769, cross-referenced on the field edit ozalid, entered on Form 76-40 and attention drawn to it on Form 76-53.

There are no fixed aids for navigation within the compiled limits of this map.

57. Rocks, Reefs, and Shoals


There are no rocks, reefs or shoals, as defined within the compiled limits of this map.

58. Photography

Photography consisted of 1:20,000 black & white ratio prints of 1:60,000 scale photography. The matte finish field prints were partly fuzzy and made field identification difficult. The cronapague office prints were good.

59. Disposition of Data

The field edit ozalid, the matte finish ratio prints, the cronapague ratio prints, and all pertinent data were forwarded to the Director, Atlantic Marine Center.


Richard E. Kesselring
Surveying Technician
Photo Party 62

orig. to charts
6/2/75

NOAA FORM 76-40
(8-74)
Replaces C&GS Form 567.

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

LANDMARKS FOR CHARTS

TO BE CHARTED
 TO BE REVISED
 TO BE DELETED

REPORTING UNIT
 Coastal Mapping Div.
 AMC - Norfolk, Va.

STATE
 North Carolina

LOCALITY
 Cape Fear to Cape Lookout

DATE
 Feb. 1975

HYDROGRAPHIC PARTY
 GEODETIC PARTY
 PHOTO FIELD PARTY
 COMPILATION ACTIVITY
 FINAL REVIEWER
 QUALITY CONTROL & REVIEW GRP.
 COAST PILOT BRANCH

ORIGINATING ACTIVITY
 (See reverse for responsible personnel)

The following objects HAVE BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.

OPR PROJECT NO. 437
 JOB NUMBER CM-7219
 SURVEY NUMBER TP-00693
 DATUM N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION		LONGITUDE		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED
		LATITUDE D.M. Meters	LONGITUDE D.P. Meters	OFFICE	FIELD			
TOWER	Obstruction lighted. Observation tower. Wooden house on four steel legs. Ht. = 60(72)	34-34	77-15	22.76	730(C)4769 Jan. 14, 1975		833SC 777 1234	
TANK	Obstruction lighted. Pedestal base with cylindrical tank on top. (Onslow Beach, Camp LeJeune USMC Water Tank, 1962) Ht. = 140(142)	34-34	77-16	27.303 696.0			" " "	
TOWER	Obstruction lighted. Observation tower. Square wooden house with four steel legs. Ht. = 60(75)	34-32	77-18	23.61 602			" " " " "	

orig. to charts
6/12/75

NOAA FORM 76-40
(8-74)
Replaces C&GS Form 567.

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

LANDMARKS FOR CHARTS

REPORTING UNIT
(Field Party, Ship or Office)
Coastal Mapping Div.
A&C - Norfolk, Va.

STATE
North Carolina

LOCALITY
Cape Fear to Cape Lookout

DATE
Feb. 1975

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

OPR PROJECT NO.
437

HAVE BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.

DATUM
N.A. 1927

SURVEY NUMBER
TP-00693

JOB NUMBER
CX-7219

POSITION
 LATITUDE
 LONGITUDE
 D.P. Meters
 D.M. Meters

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

CHARTING NAME
TOWER

DESCRIPTION
(Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)
(Onslow Beach, Military Observation Range Tower, 1962) Destroyed.

34-34

48.044
1180.4

77-15

21.269
542.1

Triang. sta.
Destroyed
Jan. 11, 1975

833SC
777
1234

CHARTS AFFECTED

REVIEW REPORT TP-00693

SHORELINE

March 24, 1976

61. GENERAL STATEMENT:

See Summary which is page 6 of this Descriptive Report.

A comparison print showing differences noted in Par. 62, 63, and 65 is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with copies of Surveys T-9399-N and T-9399-S, 1:10,000 scale, dated December 1954. Significant differences are shown in blue on the comparison print.

In the area compared, TP-00693 supersedes T-9399-N and T-9399-S for nautical chart construction purposes. T-9399-N and T-9399-S are the latest registered prior surveys of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with USGS Quadrangle NEW RIVER INLET, N.C., 1:20,000 scale, dated 1952, photorevised in 1971. Significant differences are shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No contemporary hydrographic survey of the area adjacent to the shoreline was available for comparison - none was made.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 11541 (833-SC), 1:40,000 scale, 12th edition, dated March 1975. Significant differences are shown on the comparison print in red.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Project Instructions dated October 9, 1974, except as explained in Summary, and meets requirements for Bureau Standards and National Standards of Map Accuracy.

Submitted:

Charles H. Bishop

Charles H. Bishop
Cartographer
24 March 1976

Approved for forwarding:

Joseph W. Vonasek

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

S. G. Blankenship
Dr. A.K. Heywood

Chief, Photogrammetric Branch, *bb*

Walter D. ...

Chief, Coastal Mapping Division

00 FT

32'

31'

00 FT

00"

22' 30"

22'

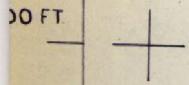
77° 21'


X = 2,500,000 FT.


34° 30' 00"


2


X = 2,490,000 FT.



VIEW, 1932 

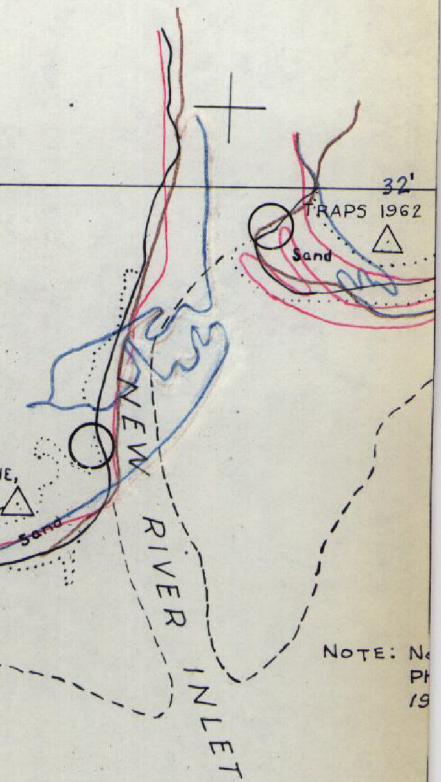
TOWER NINE, 1947 

TRAPS 1962 

Mckee Pier 

*No pier or ruin visible
on photo at these positions
Compiled pier verified
by field edit.*

Sand



NOTE: No
Ph
19

COMPARISON PRINT

Blue = T-9399-S
Red = Chart 11541
Brown = U.S.G.S.

TP-00693
1:20,000

22

33'

32'

34° 31'

77° 19'

18'

TOWER 1975
ht=60(75)

Trail
Sand

Sand

Sand



COMPARISON PRINT

BLUE = T-9399-S
Red = Chart 11541
Brown = U.S.G.S.

TP-00693
1:20,000

ONSLOW

Area subject to change

ew River Inlet channel line from
hoto 73 C (C1) 4769, taken Oct. 13,
73 at mean low water

Y=310,000 F

34°
35'

TOWER, 1975
ht=60 (73)

Hurst Beach

ONSHOW BEACH, CAMP LEJEUNE
U.S.M.C. WATER TANK,
1962 ht=140 (142)

Tower O

Onslow Beach

34'

Y=300,000

*No pier visible
on photos at
this position*

COMPARISON PRINT

- Blue = T-9399-N
- Red = Chart 11541
- Brown = U.S.G.S.

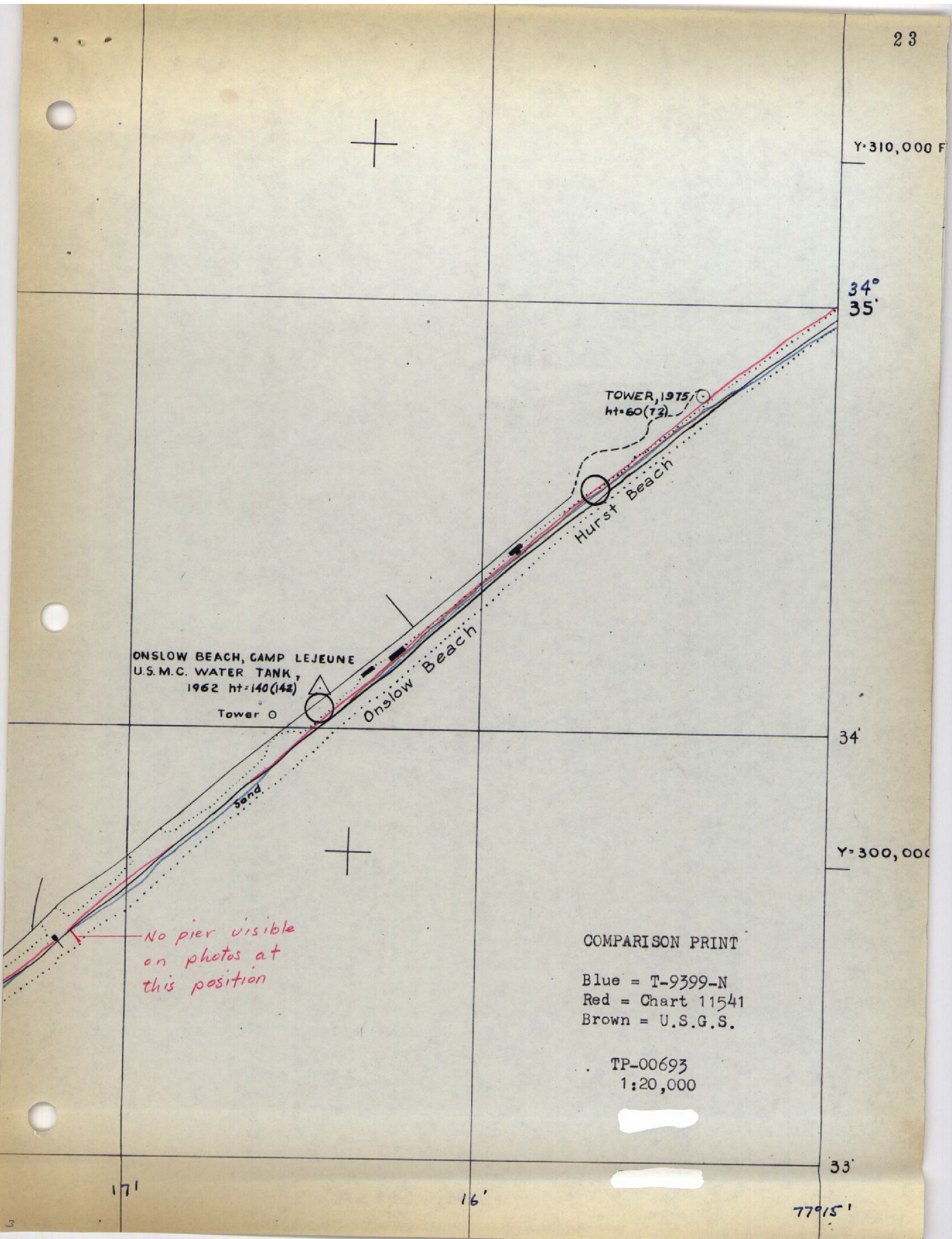
TP-00693
1:20,000

33'

17'

16'

77°15'



RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. ^{IP} 00693

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
777	5/78	M. Sutherland	Full Part Before After Verification Review Inspection Signed Via Drawing No. 18
777	6/79	R. Hickey	Full Part Before After Verification Review Inspection Signed Via Drawing No. 19
833 ¹⁰	6/79	R. Hickey	Full Part Before After Verification Review Inspection Signed Via Drawing No. 17
1234	6/79	R. Hickey No corr	Full Part Before After Verification Review Inspection Signed Via Drawing No. 28
1235	4/78	M. Sutherland	Full Part Before After Verification Review Inspection Signed Via Drawing No. 21
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
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ORIGINAL COPY