

TP-00512

TP-00512

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-7305	Map No. TP-00512
Classification No.	Edition No. ... 1
Field Edited Map	
LOCALITY	
State ... North Carolina	
General Locality ... Cape Hatteras to Cape Lookout	
Locality ... Swash Inlet	
.....	
<hr/> 19 74 TO 1975 <hr/>	
REGISTRY IN ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY	SURVEY TP. 00512
<input checked="" type="checkbox"/> ORIGINAL	MAP EDITION NO. 1
<input type="checkbox"/> RESURVEY	MAP CLASS Final (F.E.)
<input type="checkbox"/> REVISED	JOB PH CM-7305

PHOTOGRAMMETRIC OFFICE
Coastal Mapping Division, Norfolk, VA

OFFICER-IN-CHARGE
Jeffrey G. Carlen, Cdr.

LAST PRECEDING MAP EDITION

TYPE OF SURVEY	JOB PH-
<input type="checkbox"/> ORIGINAL	MAP CLASS
<input type="checkbox"/> RESURVEY	SURVEY DATES:
<input type="checkbox"/> REVISED	19__ TO 19__

I. INSTRUCTIONS DATED	
1. OFFICE	2. FIELD
Aerotriangulation Sept. 3, 1974 Compilation Nov. 6, 1974	Jan. 10, 1974 March 5, 1975

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 <i>Lambert Conformal Polyconic</i>	4. GRID(S) STATE North Carolina ZONE
5. SCALE 1:20,000	STATE ZONE

III. HISTORY OF OFFICE OPERATIONS		
OPERATIONS	NAME	DATE
1. AEROTRIANGULATION BY M. McGinley	M. McGinley	Oct., 1974
METHOD: Analytic LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS PLOTTED BY R. Robertson	R. Robertson	Oct., 1974
METHOD: Calcomp CHECKED BY		
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY L.O. Neterer, Jr.	L.O. Neterer, Jr.	Feb., 1975
COMPILATION CHECKED BY G. Vanderhaven	G. Vanderhaven	Feb., 1975
INSTRUMENT: Wild B-8	NA	
SCALE: 1:10,000	NA	
4. MANUSCRIPT DELINEATION PLANIMETRY BY F. Margiotta	F. Margiotta	Feb., 1975
CHECKED BY C. Blood	C. Blood	Feb., 1975
METHOD: Smooth drafted	NA	
SCALE: 1:20,000	NA	
HYDRO SUPPORT DATA BY	NA	
CHECKED BY	NA	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY C. Blood	C. Blood	Feb., 1975
CHECKED BY David Butler	David Butler	Apr., 1975
6. APPLICATION OF FIELD EDIT DATA CHECKED BY F. Margiotta	F. Margiotta	May, 1975
7. COMPILATION SECTION REVIEW BY F. Margiotta	F. Margiotta	May, 1975
8. FINAL REVIEW BY A.L. Shands	A.L. Shands	Oct., 1976
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY A.L. Shands	A.L. Shands	Jan., 1977
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		
11. MAP REGISTERED - COASTAL SURVEY SECTION BY R.T. CATDK	R.T. CATDK	MAR. 1977

TP-00512
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) RC-8 "E" & RC-10 "C"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR		ZONE	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES		(P) PANCHROMATIC		Eastern	
<input type="checkbox"/> REFERENCE STATION RECORDS		(I) INFRARED		MERIDIAN	<input type="checkbox"/> DAYLIGHT
<input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				75th	

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
74E(C)(I)4455-4462	4/1/74	14:50	1:20,000	1.7 ft. above MLW
* 74C(C)(I)8796-8799	4/1/74	14:00	1:60,000	+0.2 ft. of MHW
* 74C(C)(I)9029-9031	4/7/74	11:53	1:60,000	+0.2 ft. of MLW

REMARKS
*Tide coordinated photographs

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled graphically from the above listed tide coordinated photographs taken at MHW.

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

The mean low water line was compiled graphically from the above listed tide coordinated photographs taken at MLW.

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-00509	EAST No Survey	SOUTH No Survey	WEST TP-00511
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REMARKS

TP-00512

HISTORY OF FIELD OPERATIONS

I. <input checked="" type="checkbox"/> FIELD INSPECTION OPERATION		<input type="checkbox"/> FIELD EDIT OPERATION	
OPERATION	NAME	DATE	
1. CHIEF OF FIELD PARTY	R. Tibbetts	Mar., 1974	
2. HORIZONTAL CONTROL	RECOVERED BY	R. Tibbetts	Mar., 1974
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	R. Tibbetts	Mar., 1974
3. VERTICAL CONTROL	RECOVERED BY	NA	
	ESTABLISHED BY	NA	
	PRE-MARKED OR IDENTIFIED BY	NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (<i>Triangulation Stations</i>) BY	None	
	LOCATED (<i>Field Methods</i>) BY	None	
	IDENTIFIED BY	None	
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	None	
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
74C(C)(I) 8855	SWASH, 1960		
3. PHOTO NUMBERS (<i>Clarification of details</i>)			
None			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED			
None			
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			
None			
8. OTHER FIELD RECORDS (<i>Sketch books, etc. DO NOT list data submitted to the Geodesy Division</i>)			
1 Form 152 Control Station Identification 1 Form 526 Recovery Note			

TP-00512

HISTORY OF FIELD OPERATIONS

I. FIELD INSPECTION OPERATION FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R.S. Tibbetts	Mar., 1975
2. HORIZONTAL CONTROL	RECOVERED BY	R.S. Tibbetts
	ESTABLISHED BY	None
	PRE-MARKED OR IDENTIFIED BY	None
3. VERTICAL CONTROL	RECOVERED BY	NA
	ESTABLISHED BY	NA
	PRE-MARKED OR IDENTIFIED BY	NA
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (<i>Triangulation Stations</i>) BY	None
	LOCATED (<i>Field Methods</i>) BY	None
	IDENTIFIED BY	None
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	None
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
None		None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (*Clarification of details*)

None

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

None

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

- 1 Field Edit Qzolid
- 1 Field Edit Report
- 1 Form 526 Recovery Note

I. MANUSCRIPT COPIES			DATE MANUSCRIPT FORWARDED	
COMPILATION STAGES			MARINE CHARTS	HYDRO SUPPORT
DATA COMPILED	DATE	REMARKS		
Compilation complete pending field edit	Feb., 1975	Class III Manuscript	3/7/75	2/24/75
Field edit applied Compilation complete	Apr., 1975	Class I Manuscript	5/12/75	
Final Review	Oct., 1976		2/8/77 2/8/77	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH None

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

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

III. FEDERAL RECORDS CENTER DATA

1. BRIDGING PHOTOGRAPHS; DUPLICATE BRIDGING REPORT; COMPUTER READOUTS.
 2. CONTROL STATION IDENTIFICATION CARDS; FORM NOS 567 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	JOB NUMBER	TYPE OF SURVEY	
	TP - _____ (2)	PH - _____	<input type="checkbox"/> REVISED	<input type="checkbox"/> RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS	
			<input type="checkbox"/> II.	<input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
THIRD EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY	
	TP - _____ (3)	PH - _____	<input type="checkbox"/> REVISED	<input type="checkbox"/> RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS	
			<input type="checkbox"/> II.	<input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
FOURTH EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY	
	TP - _____ (4)	PH - _____	<input type="checkbox"/> REVISED	<input type="checkbox"/> RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS	
			<input type="checkbox"/> II.	<input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL

35°20'00"

SMALL QUARTER NATIONAL
WINDMILL AT POST

02

35°15'00"

02

TP-00507

TP-00509

TP-00508

35°05'00"

RESTRICTED
R-5306A

TP-00510

35°00'00"

TP-00511

TP-00512

34°50'00"

CANYON ZONE

TP-00513

34°48'00"

TP-00513

34°40'00"

34°30'00"

Official Mileage for Cost Accounts

Sheet No.	Sq. Miles
TP-00507	8
TP-00508	4
TP-00509	4
TP-00510	6
TP-00511	3
TP-00512	6
TP-00513	4
TP-00514	6

Total 41

MC COASTAL AIR DEFENSE IDA

76°

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORTS

TP-00507 thru TP-00514

Project 7305 is the most northerly of several projects which make up the Southern Coastal Plains Expedition (SCOPE). It consists of eight (8) 1:20,000 scale manuscripts covering the outer coastline from Cape Hatteras south to a position just north of Cape Lookout. The original instructions dated November 6, 1974 Item 5.01 called for the compilation of "standard shoreline maps". None of the manuscripts in this project can be considered "standard shoreline maps" because in each case only the outer shoreline which borders the Atlantic Ocean was delineated.

To facilitate bridging and the setting of stereo models on the Wild B-8 stereo-plotter it was necessary to fly photography at 1:15,000, 1:20,000 and 1:30,000 scales because most of the area consists of a very narrow coastal band. In addition, 1:60,000 scale tide coordinated photography was flown at mean high and mean low water from which the mean high and mean low water lines were graphically delineated. (See Item 31 of the Compilation Report). All photography was taken with the RC-8 and RC-10 cameras using color infrared film.

Field work prior to compilation consisted of pre-marking and recovery of horizontal control for bridging and the observation and recording of tide data.

Bridging was done in the Rockville office using the Wild STK-1 in October, 1974. Ratio prints of the 1:60,000 scale tide coordinated photography were ordered at that time.

Compilation was done at the Atlantic Marine Center in April, 1975. Models of the bridging photography were set on the Wild B-8 stereo-plotter from which details above the MHWL were compiled and points common to the tide coordinated ratios were dropped. The MHWL and MLWL were delineated graphically using the tide coordinated ratios supplied for that purpose.

Field edit was accomplished during February through April, 1975.

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

The original stabilene base manuscripts, each 10 minutes in latitude and 10 minutes in longitude, were forwarded to the Rockville office for reproduction of registration copies.

No field inspection report was submitted.

PHOTOGRAMMETRIC PLOT REPORT
Job CM-7305
Cape Hatteras to Cape Lookout
North Carolina
October 1974

21. Area Covered

This project covers the shoreline from Cape Lookout to just north of Cape Hatteras. Included are eight T-sheets (TP-00507 thru TP-00514). All sheets are 1:20,000 scale.

22. Method

Five strips of color IR photography with varying scales 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 (1:15,000 scale) was adjusted on four field-identified triangulation stations with one additional triangulation station and two tie points as checks. Strip 2 (1:20,000 scale) was adjusted on five field-identified triangulation stations with three additional triangulation stations and six tie points as checks. Strip 3 (1:30,000 scale) was adjusted on three field-identified triangulation stations with one additional triangulation station and four tie points as checks. Strip 4 (1:30,000) was adjusted on four field-identified triangulation stations and one tie point with five additional triangulation stations and nine tie points as checks. Strip 5 (1:15,000 scale) was adjusted on three field identified triangulation stations and one tie point with seven additional triangulation stations and five tie points as checks. All adjustments were performed on the IBM 6600. All sheets were ruled and plotted on the Coradomat.

1:20,000 scale ratios were ordered.

23. Adequacy of Control

The horizontal control utilized in the adjustments 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.

Approved by:

John D. Perrow, Jr.
John D. Perrow, Jr.

Chief, Aerotriangulation Section

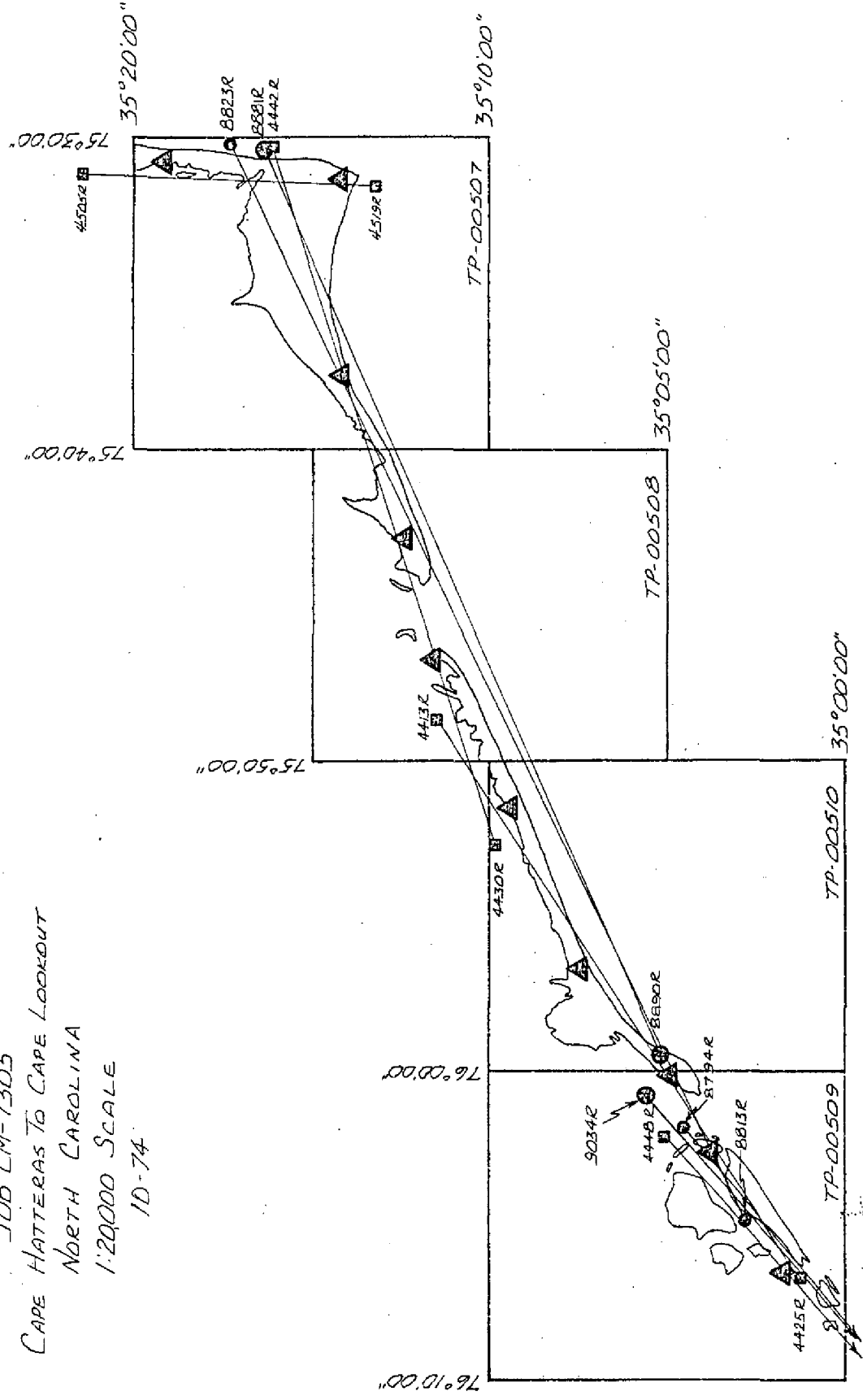
Submitted by:

Michael B. McGinley
Michael B. McGinley

Note to Compiler

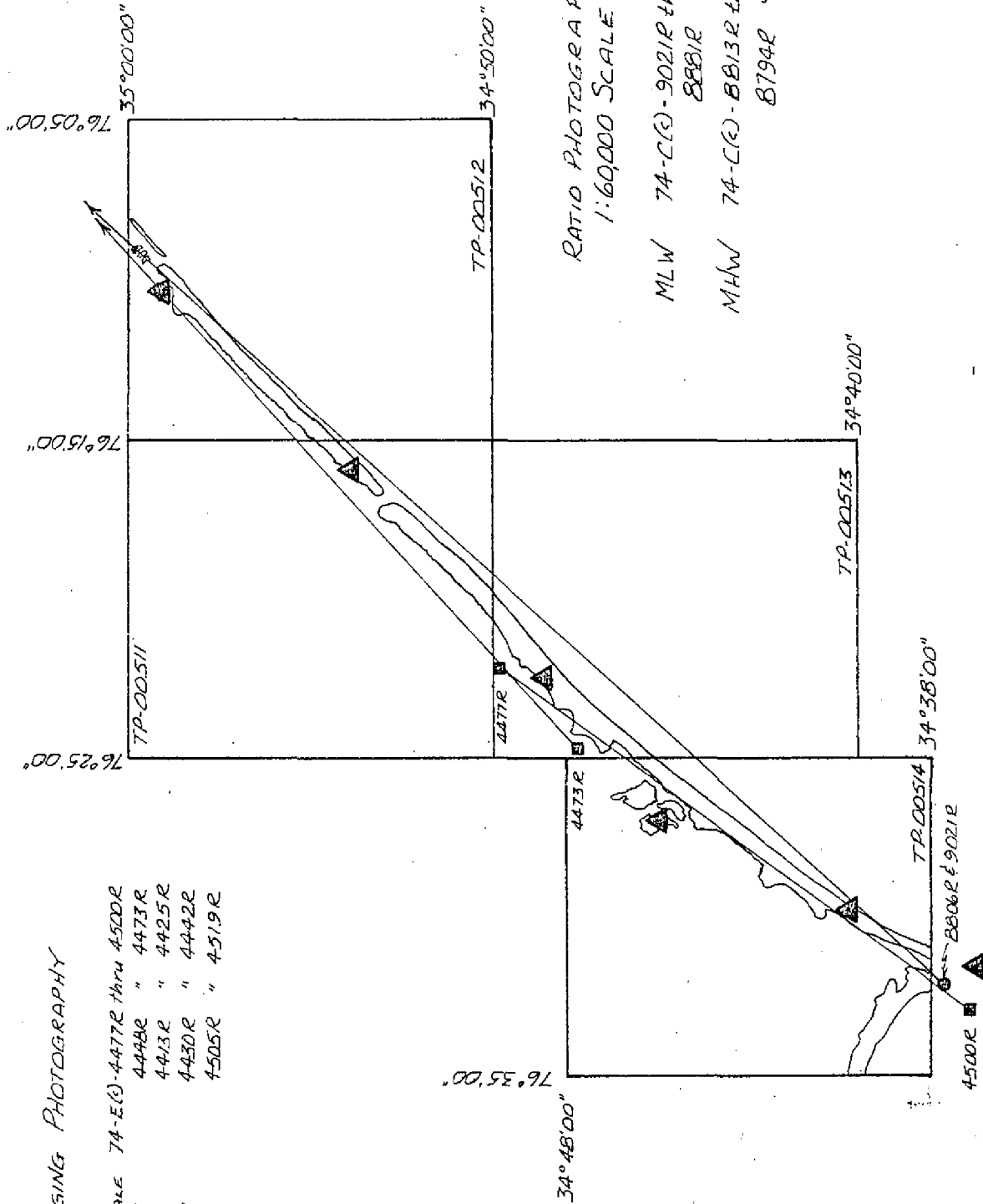
Strip 3 could not be bridged beyond model 74-E(C)-4420/4421. Image points were selected for pass points on photo 4421 to be used for scaling and orientating the photo for delineating the point of land not covered in the bridge. The image points selected are pricked on contact print 4421. A ratio photo of 4421 was ordered at 1:20,000.

JOB CM-7305
 CAPE HATTERAS TO CAPE LOOKOUT
 NORTH CAROLINA
 1:20,000 SCALE
 10-74



BRIDGING PHOTOGRAPHY

- STRIP 1 1:15000 SCALE 74-E(1)-4477R thru 4500R
- STRIP 2 1:20000 " 4448R " 4473R
- STRIP 3 1:30000 " 4413R " 4425R
- STRIP 4 1:30000 " 4430R " 4442R
- STRIP 5 1:15000 " 4505R " 4519R



RATIO PHOTOGRAPHY
1:60,000 SCALE

- MLW 74-C(1)-9021R thru 9034R
- 8881R " 8890R
- MHW 74-C(1)-8813R thru 8823R
- 8794R " 8806R

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEOIDETIC DATUM		ORIGINATING ACTIVITY		REMARKS		
			STATE	ZONE	COORDINATES IN FEET	φ LATITUDE	λ LONGITUDE	Forward	Back
TP-00512		CM-7305	N.A.	1927					Coastal Mapping Div., AMC
	SWASH, 1960	G.P. Vol. III Pg. 11	x=	φ 34 58	λ 76 09	43.4263	1338.2	(510.7)	
	MUSH, 1960	G.P. Vol. III Pg. 10	y=	φ 34 57	λ 76 11	06.8011	1288.3	(233.6)	
	DOTS, 1960	G.P. Vol. III Pg. 9	x=	φ 34 54	λ 76 14	51.7566	209.6	(1639.3)	
			y=	φ 34 54	λ 76 14	59.5436	1313.2	(209.2)	
			x=	φ	λ	18.1721	1834.9	(14.0)	
			y=	φ	λ		461.3	(1061.7)	
			x=	φ	λ				
			y=	φ	λ				
			x=	φ	λ				
			y=	φ	λ				
			x=	φ	λ				
			y=	φ	λ				
			x=	φ	λ				
			y=	φ	λ				
			x=	φ	λ				
			y=	φ	λ				
			x=	φ	λ				
			y=	φ	λ				
COMPUTED BY	A.C. Rauck, Jr.								DATE 11/8/74
LISTED BY									DATE
HAND PLOTTING BY									DATE

COMPILATION REPORT

TP-00512

31. DELINEATION

Delineation was by the Wild B-8 stereoplotter except the MHWL and MLWL which were compiled graphically using the tide coordinated color infrared ratio photographs.

Photography was adequate.

32. CONTROL

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

Points common to the tide controlled color infrared photographs were dropped in the B-8 models to control the graphic delineation of the MHWL and MLWL.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

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

35. SHORELINE AND ALONGSHORE DETAILS

The MHWL, MLWL and inshore sand limits were delineated from office interpretation of the photographs. See Item 31.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

None

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 U.S. Geological Survey Quadrangles Wainwright Island, NC and Portsmouth, NC, both scales 1:24,000, dated 1950 and photorevised in 1970.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the National Ocean Survey chart 11257, scale 1:40,000, 12th edition, dated June 24, 1972.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted:



F. Margiotta
Cartographer
Feb. 13, 1975

Approved:

Albert C. Rauck, Jr.

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

ADDENDUM TO THE COMPILATION REPORT

TP-00512

FIELD EDIT

Field edit was adequate.

22 Oct. 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7305 (Cape Hatteras to Cape Lookout, N.C.)

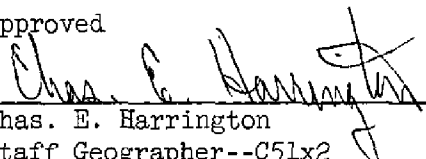
TP-00512

Atlantic Ocean

Core Banks

Raleigh Bay

Approved


Chas. E. Harrington
Staff Geographer--C51x2

FORM C&GS-1002 (9-66)		U.S. DEPARTMENT OF COMMERCE ESSA COAST AND GEODETIC SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW			
T-00512			
1. PROJECTION AND GRIDS CB	2. TITLE CB	3. MANUSCRIPT NUMBERS CB	4. MANUSCRIPT SIZE CB
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CB	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 CB	11. DETAIL POINTS CB
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CB	13. LOW-WATER LINE CB	14. ROCKS, SHOALS, ETC. CB	15. BRIDGES CB
16. AIDS TO NAVIGATION CB	17. LANDMARKS CB	18. OTHER ALONGSHORE PHYSICAL FEATURES CB	19. OTHER ALONGSHORE CULTURAL FEATURES CB
PHYSICAL FEATURES			
20. WATER FEATURES CB		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 CB	28. BUILDINGS CB	29. RAILROADS CB	30. OTHER CULTURAL FEATURES CB
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES CB		34. JUNCTIONS CB	35. LEGIBILITY OF THE MANUSCRIPT CB
36. DISCREPANCY OVERLAY CB	37. DESCRIPTIVE REPORT CB	38. FIELD INSPECTION PHOTOGRAPHS None	39. FORMS CB
40. REVIEWER <i>Charles Blood</i> Charles Blood Feb., 1975		SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> A.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 <i>David P. Butler</i> David Butler Apr. 1, 1975 Re: F. Margiotta May, 1975		SUPERVISOR <i>Albert C. Rauck, Jr.</i> A.C. Rauck, Jr.	
43. REMARKS See Form 76-36c(field edit) for field edit source data.			

Field Edit Report
TP-00512 JOB CM-7305

51. METHODS

The manuscript was inspected and all questions answered on the Field Edit Ozalid. The trail should be deleted as no single trail exists. Most driving is done along the beach at low water or just above the MHWL. At present, there are no inlets as such between Drum and Ocracoke Inlets. According to local interviews, during severe winds and heavy rains at times water may flood from Core and Pamlico Sounds across the beach in the vicinity of Sand Island Inlet and Swash Inlet and then close in a matter of days.

52. ACCURACY OF COMPILATION

Adequate after application of field edit information.

53. MAP ACCURACY

No test required.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Not required.

Joseph D. Di Mare
Joseph D. Di Mare
Surveying Aid

REVIEW REPORT TP-00512

SHORELINE

October 28, 1976

61. GENERAL STATEMENT:

See Summary which is pages 6 and 6a of this Descriptive Report.

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with copies of T-8734 S/2, T-8735 N/2 and T-8735 S/2, scale 1:10,000 dated 1947. Significant differences are noted on the comparison print in blue pencil.

In the area compared, TP-00512 supersedes T-8734 S/2, T-8735 N/2 and T-8735 S/2 which are the latest registered surveys of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. Quadrangles Wainwright, NC and Portsmouth, NC, each scale 1:24,000 dated 1950. The latter was photorevised in 1970.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No comparison was made. This reviewer was informed by the Verification Branch, AMC that the contemporary hydro surveys do not include inshore soundings above the 14 foot depth. These surveys were not available at AMC during final review and copies were not requested from the Rockville Office.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 11550, 1:40,000 scale, 16th edition dated July 17, 1976. There were no significant differences noted.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey is in compliance with Instructions - OFFICE - Job CM-7305 dated Nov. 6, 1974, except it is not a Standard Shoreline map (See first paragraph of Summary).

This survey meets the requirements for Bureau Standards and the National Standards of Map Accuracy.

Submitted:

A.L. Shands

A.L. Shands
Cartographer
October 28, 1976

Approved for forwarding:

Joseph W. Vonasek
Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

A.K. Hargood
Chief, Photogrammetric Branch

James C. Latta
Chief, Coastal Map. Div.

TP-00512

76° 15'

76° 14'

15 a

TP-00512
Comparison Print
1:20,000 Scale

Brown line from Quad
Blue line from Topo

34° 56'

y = 440,000 FT

+

○

461310

55'

DOTS, 1960

sand

Shoreline on Quad coincident
with shoreline on topo.

y = 430,000 FT

54'

TP-00512

15b

76° 13'

14'

15'

57'

MUSH, 1960

C O R E

sand

460310

34° 56'

MHWL on USGS Quad same as Topo.

TP-00512

Comparison Print

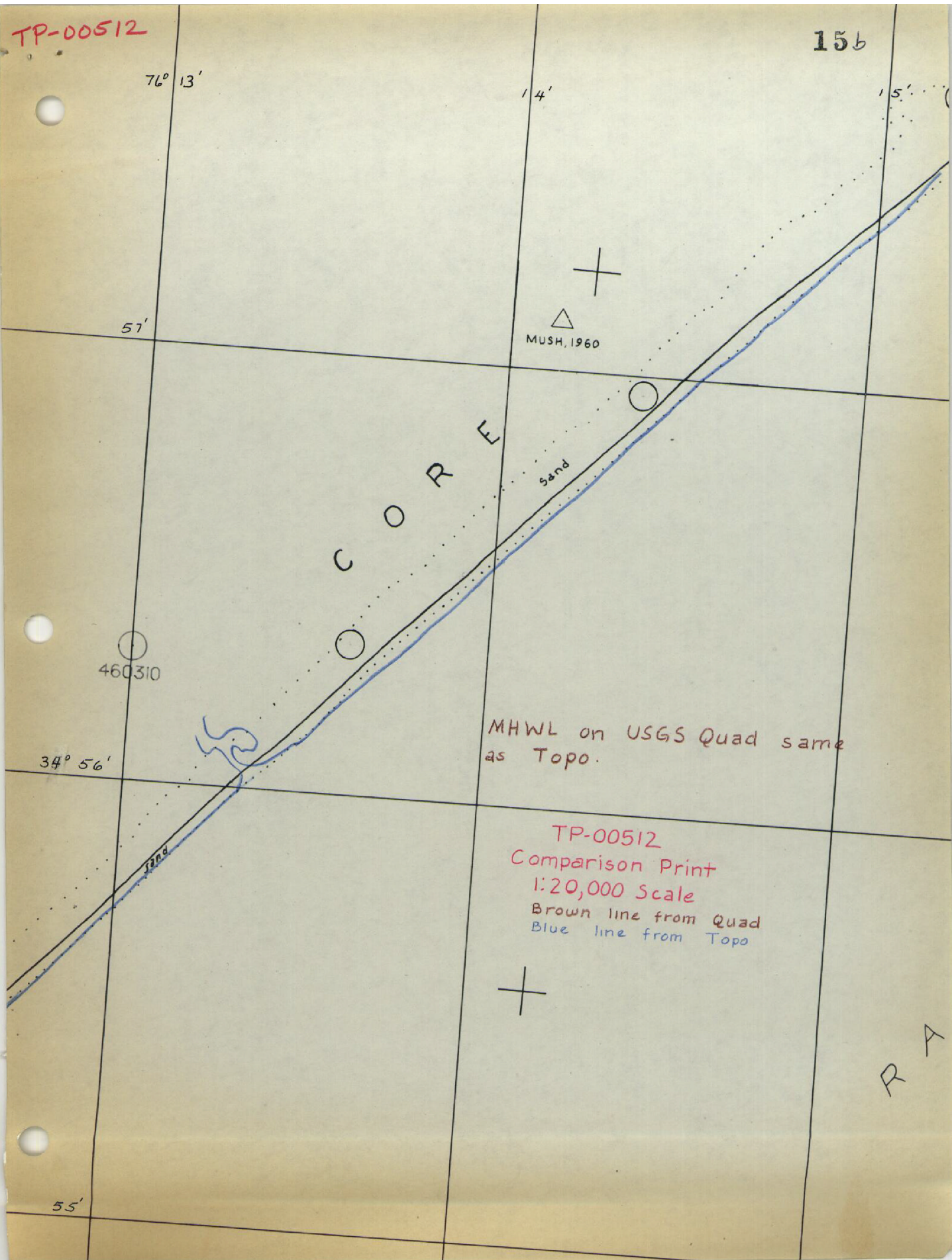
1:20,000 Scale

Brown line from Quad

Blue line from Topo

R A

55'



TP-00512

TP-00512
Comparison Print
1:20,000 Scale

15c

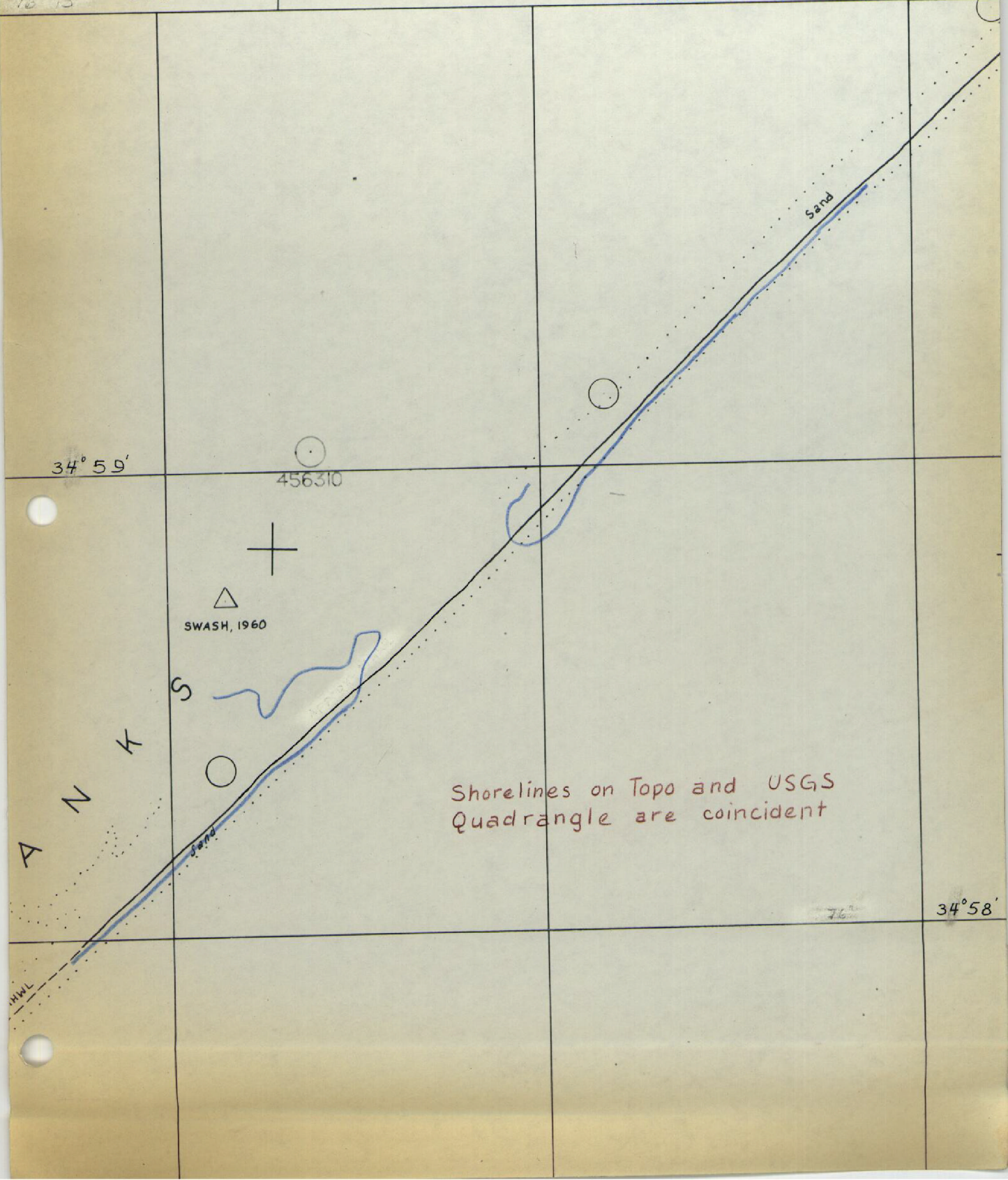
x = 2,850,000 FT

x = 2,8

76° 15' 76° 10'

09'

Brown line from Quad 08'
Blue line from Topo



Shorelines on Topo and USGS
Quadrangle are coincident

A N K S

SWASH, 1960

456310

34° 59'

34° 58'

HWL

76°

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. TP 00512

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
419	6/7/78	R. Wilson	Full Part Before After Verification Review Inspection Signed Via Drawing No. 28 FW OK
	no correction		
1233	11/78	W. Chandler	Full Part Before After Verification Review Inspection Signed Via Drawing No. 37 Recheck
	no correction		
			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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