

TP-00686

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TP-00686

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-7219 *Map No.* TP-00686

Classification No. *Edition No.* 1

Field Edited Map

LOCALITY

State North Carolina

General Locality Cape Fear to Cape Lookout

Locality Salter Path

19 73 TO 19 75

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. <h3 style="text-align: center;">DESCRIPTIVE REPORT - DATA RECORD</h3>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>00686</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final(F.E.)</u> JOB <u>XDRK CM-7219</u>
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, Norfolk, VA 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	
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 Polyconic		4. GRID(S) STATE ZONE North Carolina	
5. SCALE 1:20,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY		D. Norman	Sept. 1974
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY		Keating	Sept. 1974
3. STEREOSCOPIIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 CONTOURS BY SCALE: 1:30,000 CHECKED BY		R.R. White	Oct. 1974
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Wild B-8 and Graphic CONTOURS BY Smooth Drafted CHECKED BY HYDRO SUPPORT DATA BY SCALE: 1:20,000 CHECKED BY		C.E. Flood	Oct. 1974
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		L.O. Neterer	Nov. 1974
6. APPLICATION OF FIELD EDIT DATA BY		A.L. Shands	Feb. 1975
7. COMPILATION SECTION REVIEW BY		J.R. Minton	May, 1975
8. FINAL REVIEW BY		J.R. Minton	May, 1975
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		C.H. Bishop	Mar. 1976
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-00686 COMPILATION SOURCES							
1. COMPILATION PHOTOGRAPHY							
CAMERA(S) Wild RC-10 "C"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE			
TIDE STAGE REFERENCE HAMPTON ROADS, VA		(C) COLOR X (P) PANCHROMATIC (I) INFRARED X		ZONE Eastern			
<input checked="" type="checkbox"/> PREDICTED TIDES Bogue Inlet				MERIDIAN 75th		<input checked="" type="checkbox"/> STANDARD	
<input type="checkbox"/> REFERENCE STATION RECORDS						<input type="checkbox"/> DAYLIGHT	
<input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY							
NUMBER AND TYPE		DATE	TIME	SCALE	STAGE OF TIDE		
* 73C(C)(I)4674 - 4676		13 OCT 73	09:27	1:60,000	2.6 ft. above MLW		
** 73C(C)(I)4762 - 4764		13 OCT 73	14:34	1:60,000	±0.2 ft. of MLW		
** 73C(C)(I)4913 - 4915		18 OCT 73	10:05	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* photographs 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 Survey	EAST TP-00687	SOUTH No Survey	WEST TP-00685				
REMARKS							

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

TP-00686

HISTORY OF FIELD OPERATIONS

I. FIELD INSPECTION OPERATION FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Tibbetts	Sept. 1973
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY	R. Tibbetts Sept. 1973
	PRE-MARKED OR IDENTIFIED BY	None
		R. Black Sept. 1973
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	NA
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
73C(CI)4675	KNOLL, 1931		

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 NONE6. 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 CSI Card

TP-00686

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 (<i>Triangulation Stations</i>) BY	NA
	LOCATED (<i>Field Methods</i>) BY	Richard E. Kesselring
	IDENTIFIED BY	NA
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY BY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	Richard E. Kesselring
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

II. SOURCE DATA

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

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (*Clarification of details*) Field edit
730(C)(I) 4763

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
1 sketch

8. OTHER FIELD RECORDS (*Sketch books, etc. DO NOT list data submitted to the Geodesy Division*)
1 form 76-40
2 forms 76-53

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	6/3/75	
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
1		6/4/75	Landmark for Charts

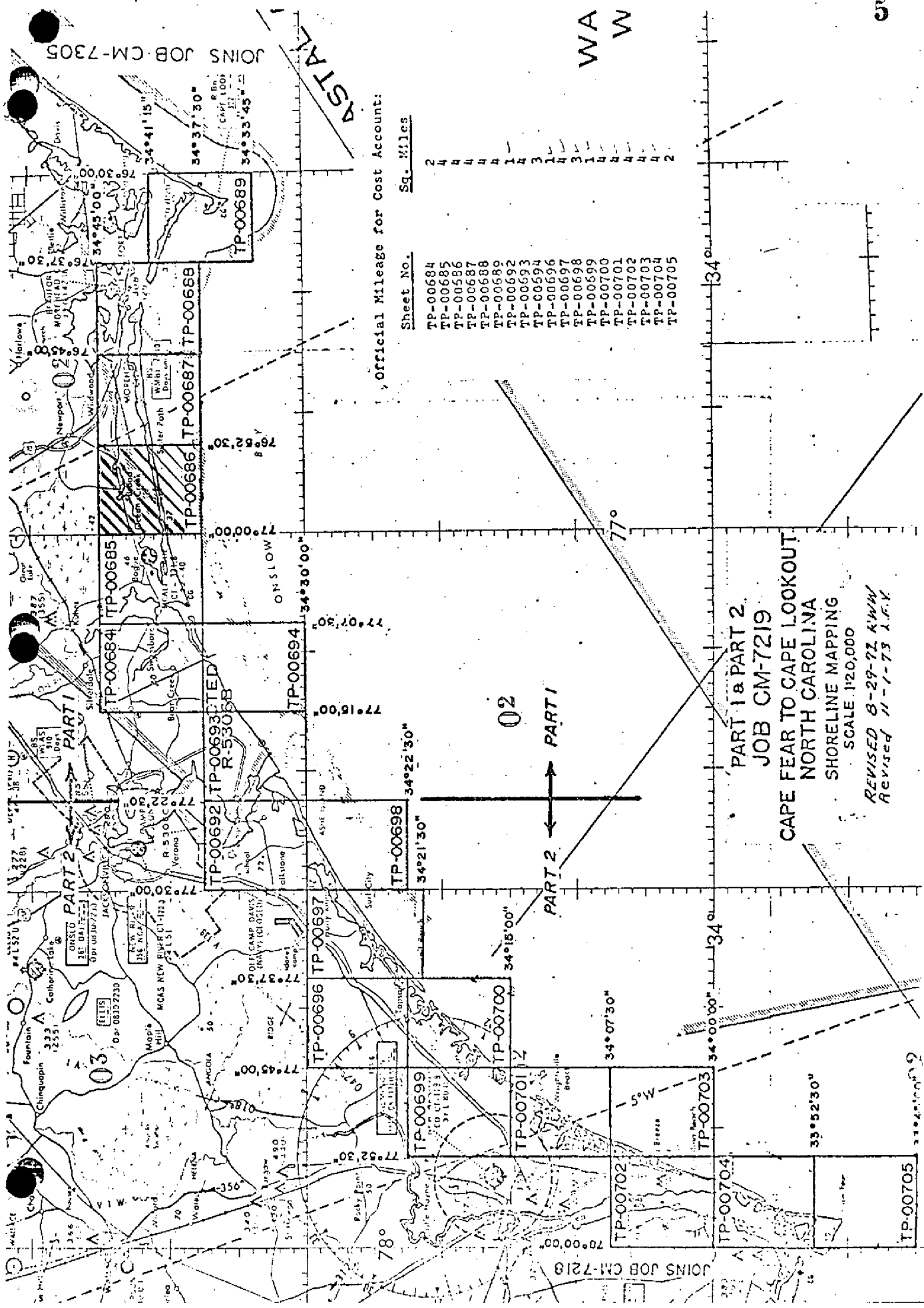
2. REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 6/4/75
 3. REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. BRIDGING PHOTOGRAPHS; DUPLICATE BRIDGING REPORT; COMPUTER READOUTS.
 2. CONTROL STATION IDENTIFICATION CARDS; FORM NOS ⁷⁶⁻⁴⁰ ~~55X~~ SUBMITTED BY FIELD PARTIES.
 3. SOURCE DATA (except for Geographic Name 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	



JOINS JOB CM-7305

JOINS JOB CM-7218

Official Mileage for Cost Account:

Sheet No.	Sq. Miles
TP-00684	2
TP-00685	4
TP-00686	4
TP-00687	4
TP-00688	4
TP-00689	4
TP-00692	1
TP-00693	4
TP-00694	3
TP-00696	1
TP-00697	1
TP-00698	3
TP-00699	1
TP-00700	4
TP-00701	4
TP-00702	4
TP-00703	4
TP-00704	4
TP-00705	2

WA
W

PART 1 & PART 2
JOB CM-7219
CAPE FEAR TO CAPE LOOKOUT
NORTH CAROLINA
SHORELINE MAPPING
SCALE 1:20,000
REVISED 8-29-72 RHW
Revised 11-1-73 J.F.V.

33°52'30"

TP-00705

33°45'00"

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.

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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 infrared, 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.

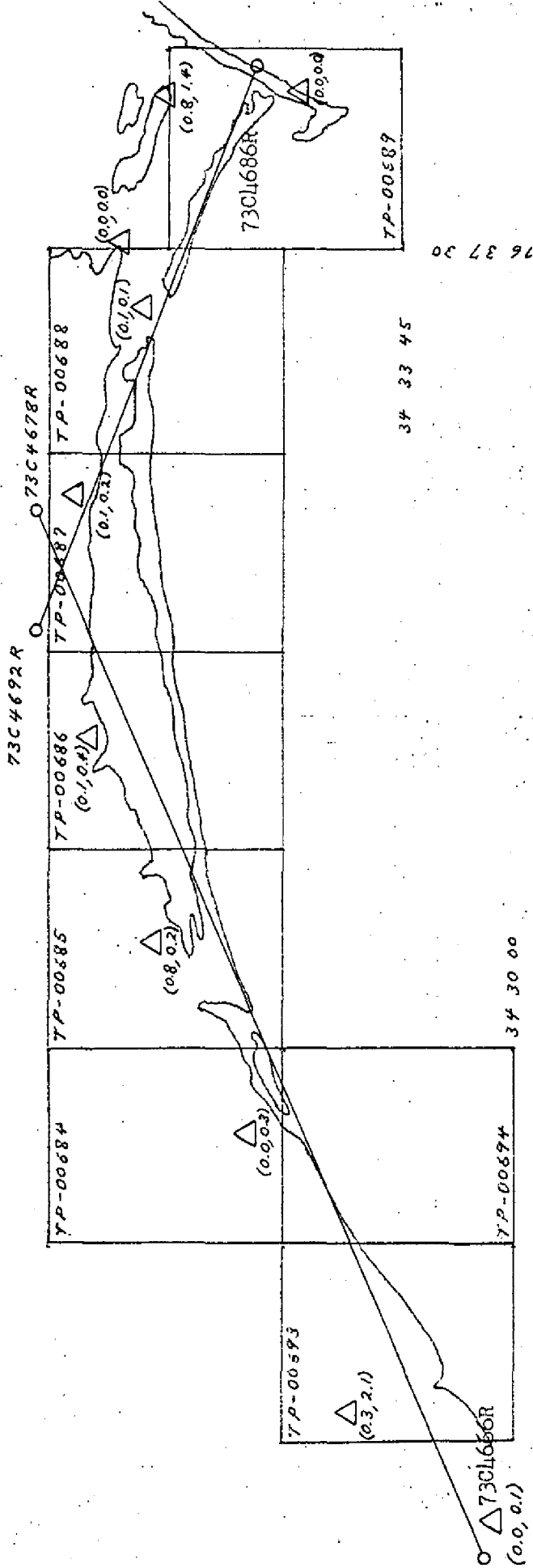
Submitted by,

Don O. Norman
Don O. Norman

Approved by:

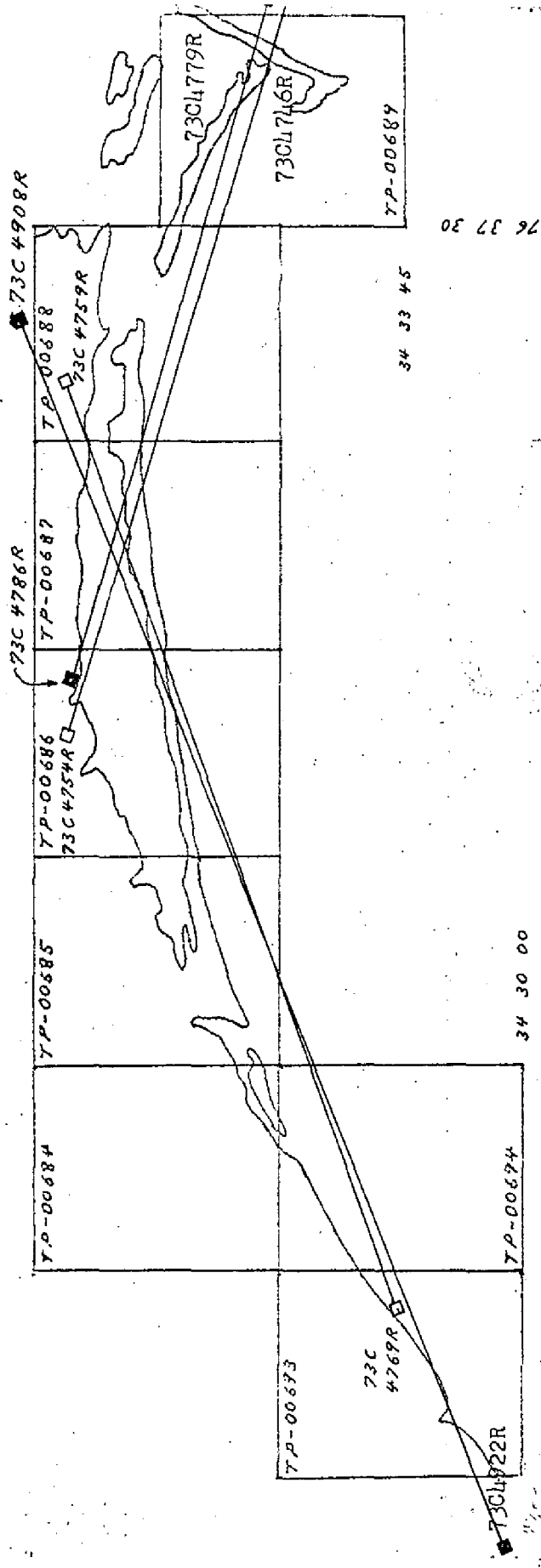
John D. Perrow, Jr.

John D. Perrow, Jr.
Chief, Aerotriangulation Section



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

01:60000 Bridging Photos color IR



76 37 30

34 33 45

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

34 30 00

77 07 30

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY	GEOGRAPHIC POSITION		REMARKS	
TP-00686		CM-7219	N.A. 1927	Coastal Mapping Div, AMC	φ	λ	Forward	Back
	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE North Carolina ZONE	φ	λ	LONGITUDE "		
KNOLL, 1931	G.P. Vol. 3 Pg. 2923		x=	φ 34	λ 43	30.48042	939.3	(909.6)
	G.P. Vol. 3 Pg. 2925		y=	λ 76	56	06.85787	174.5	(1352.0)
EMERALD, 1962	G.P. Vol. 2 Pg. 491		x=	φ 34	λ 40	31.37873	966.9	(882.0)
	G.P. Vol. 3 Pg. 2926		y=	λ 76	57	40.82088	1039.2	(488.2)
BANK, 1908	G.P. Vol. 2 Pg. 491		x=	φ 34	λ 40	39.608	1220.5	(628.4)
	G.P. Vol. 3 Pg. 2926		y=	λ 76	57	54.712	1392.9	(134.5)
SALTER, 1962	G.P. Vol. 3 Pg. 2926		x=	φ 34	λ 41	14.91431	459.6	(1389.3)
	G.P. G-1499 Pg. 53		y=	λ 76	52	44.11132	1122.9	(404.3)
BROAD CREEK 2, 1908			x=	φ 34	λ 42	41.637	1283.0	(565.9)
			y=	λ 76	56	44.185	1124.4	(402.4)
			x=	φ				
			y=	λ				
			x=	φ				
			y=	λ				
			x=	φ				
			y=	λ				
			x=	φ				
			y=	λ				
COMPUTED BY A.C. Rauck, Jr.		DATE 10/7/74		COMPUTATION CHECKED BY J.R. Minton			DATE 10/7/74	
LISTED BY		DATE		LISTING CHECKED BY			DATE	
HAND PLOTTING BY		DATE		HAND PLOTTING CHECKED BY			DATE	

COMPILATION REPORT

TP-00686

31. DELINEATION

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

Delineation was by the Wild B-8 stereoplotter. The shoreline on this manuscript was compiled graphically from high and low water tide controlled infrared ratios. Pass Points common to all three groups of photos - bridging, high and low water tide coordinated - were selected and dropped with a Wild B-8 stereoplotter. Interior detail, structures and map features were plotted with the B-8. Photography was adequate.

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 stereoplotter and by office interpretation of the photographs.

The mean high water line and mean low water line were delineated graphically from the 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 the following U.S. Geological Survey Quadrangle: SALTER PATH, N.C., 1:24,000 scale, dated 1951.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following National Ocean Survey chart: 833-SC, Neuse River to Myrtle Grove Sound, North Carolina, scale 1:40,000, dated March 1973.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

Charles Blood

Charles Blood
Carto. Technician
Oct. 31, 1974

Approved:

Albert C. Rauck, Jr.

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

ADDENDUM TO THE COMPILATION REPORTFIELD EDIT

Field edit was adequate.

16 Oct. 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00686

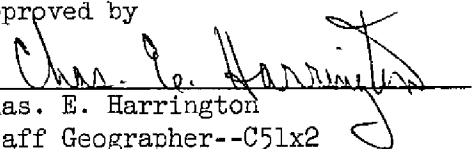
Atlantic

Bogue Banks

Onslow Bay

Salter Path

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 - 00686			
1. PROJECTION AND GRIDS LON	2. TITLE LON	3. MANUSCRIPT NUMBERS X X	4. MANUSCRIPT SIZE LON
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY LON	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	11. DETAIL POINTS LON
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE LON	13. LOW-WATER LINE LON	14. ROCKS, SHOALS, ETC.	15. BRIDGES X X
16. AIDS TO NAVIGATION X X	17. LANDMARKS X X	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
PHYSICAL FEATURES			
20. WATER FEATURES X X	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	28. BUILDINGS	29. RAILROADS X X	30. OTHER CULTURAL FEATURES
BOUNDARIES			
31. BOUNDARY LINES NA	32. PUBLIC LAND LINES NA		
MISCELLANEOUS			
33. GEOGRAPHIC NAMES	34. JUNCTIONS LON	35. LEGIBILITY OF THE MANUSCRIPT	
36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
40. REVIEWER <i>Lowell O. Neterer, Jr.</i> Lowell O. Neterer, Jr.		SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> 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 A.L. Shands Reviewed: J.R. Minton	Feb. 1975 <i>James R. Minton</i> May, 1975	SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
43. REMARKS Field edit applied from field edit ozalid TP-00686 and field ratio 73C(C)-4763.			

FIELD EDIT REPORT
JOB: CM 7219
CAPE FEAR TO CAPE LOOKOUT, NORTH CAROLINA
MAP TP-00686

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 shoreline changes were noted during field edit. A new pier has been constructed since photography at latitude 34 40.9 longitude 76 54.5. The pier was located photogrammetrically, indicated on the field edit ozalid and appropriately cross-referenced. There is no evidence of any "pier ruins" near the existing pier on the map.

54. Recommendations

There are no recommendations.

56. Landmarks and Non-Floating Aids For Navigation

There is one landmark on this map, a tank, at latitude 34 40.9 longitude 76 55.3. Although it is visible on the photographs it was located by ground control methods for use as a calibration signal. The tank was indicated on the field edit ozalid and entered on Form 76-40 which is included in this report.

There are no fixed aids to 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 ratio matte finish prints, and 1:20,000 ratio office prepared cronapague prints of 1:60,000 color IR photography and was adequate.

59. Disposition of Data

The field edit ozalid, the matte finish 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

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
(If R/a Party, Ship or Office)
Coastal Mapping Div.
AMC - Norfolk, Va.

DATE
Feb. 1975

LOCALITY
Cape Fear to Cape Lookout

STATE
North Carolina

DATUM
N.A. 1927

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

CHARTS
AFFECTED
833SC
1234

TO BE CHARTED
TO BE REVISED
TO BE DELETED

The following objects HAVE HAVE NOT been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO. 437

JOB NUMBER CM-7219

SURVEY NUMBER TP-00686

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

CHARTING NAME

DESCRIPTION
(Record reason for deletion of landmark or aid to navigation.
Show triangulation station names, where applicable, in parentheses.)

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)	LATITUDE		LONGITUDE		OFFICE	METHOD AND DATE OF LOCATION (See instructions on reverse side)	CHARTS AFFECTED
		° /	' "	° /	' "			
TANK	Spherical. Ht. = 128 (1/16)	34-40	53.894	76-55	19.758		F-3-6-L Jan. 17, 1975	833SC 1234
			1660.7		503.0			

11
12

REVIEW REPORT TP-00686

SHORELINE

March 11, 1976

61. GENERAL STATEMENT:

See Summary which is page 6 of this Descriptive Report.

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Survey T-8742-S/2, 1:10,000 scale, dated October 1950. No significant shoreline difference was noted. Bogue Banks has been developed since T-8742-S/2 was mapped. Cultural features appearing on TP-00686 are not on the prior survey.

In the area compared, TP-00686 supersedes T-8742-S/2 for nautical chart construction purposes. T-8742-S/2 is the latest registered prior survey of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with USGS Quadrangle SALTER PATH, N.C., 1:24,000 scale, dated 1951, photorevised in 1971. Significant differences are shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No contemporary hydrographic surveys of the area adjacent to the shoreline were available for comparison.

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 in red on the comparison print.

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
11 March 1976

Approved for forwarding:

Joseph W. Vonasek

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

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

Chief, Photogrammetric Branch

Walter D. ...

Chief, Coastal Mapping Div.

35 0 FT

34°
41'

△ BANK, 1908

EMERALD, 1962

40,000 FT

40'

Sand

COMPARISON PRINT

Red = Chart 11541

Brown = U.S.G.S.

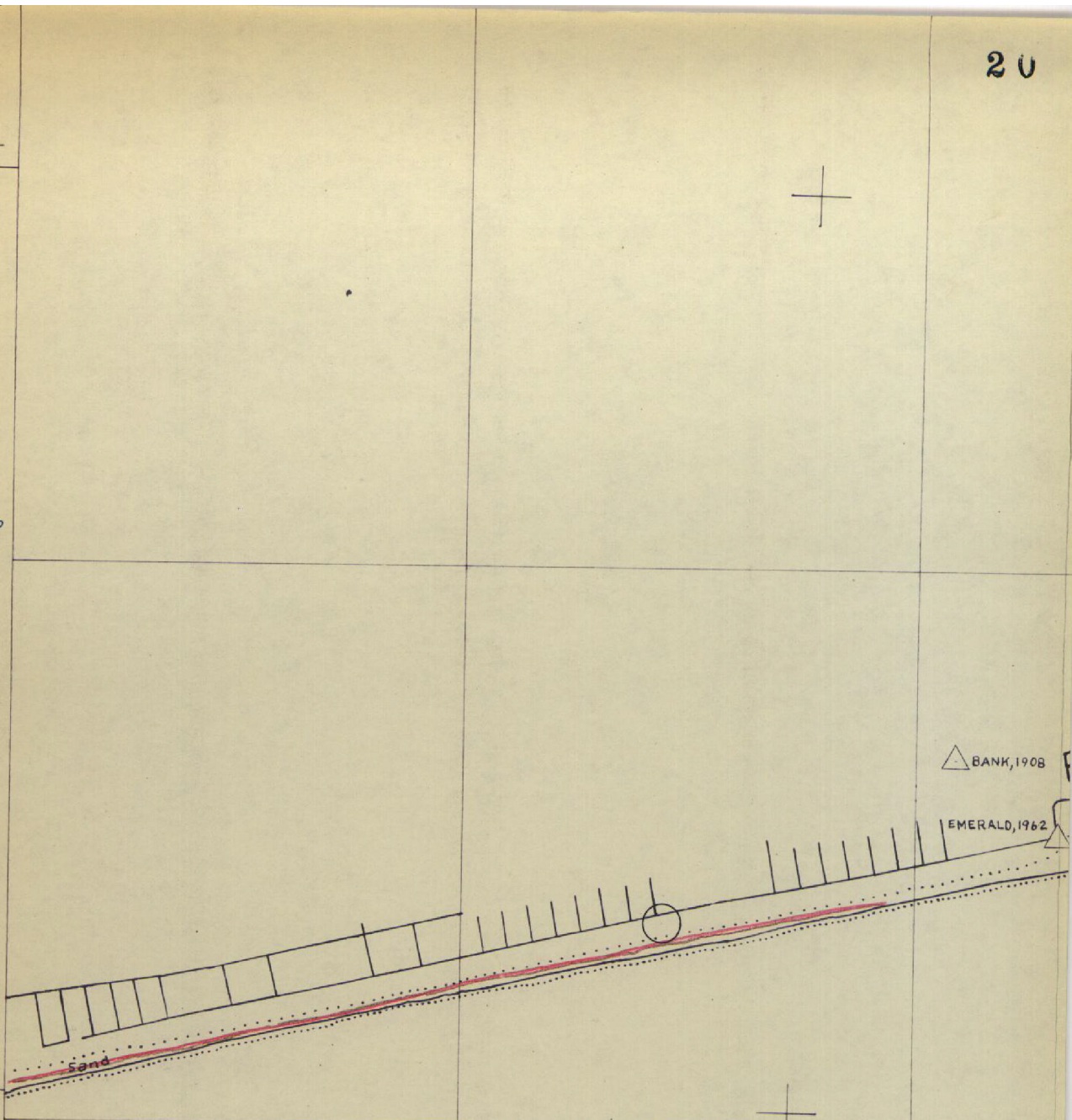
TP-00686

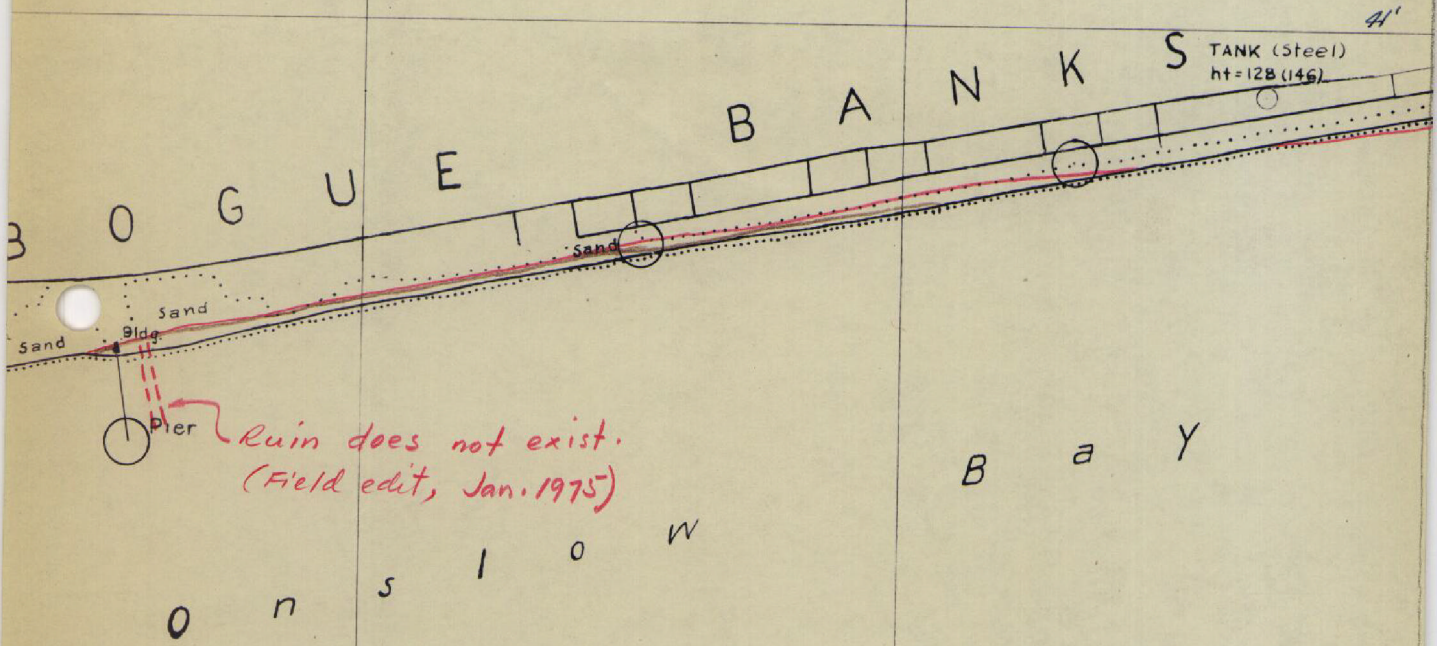
1:20,000

77°00'00"

76°59'

76°58'





Ruin does not exist.
 (Field edit, Jan. 1975)

34° 40'



COMPARISON PRINT

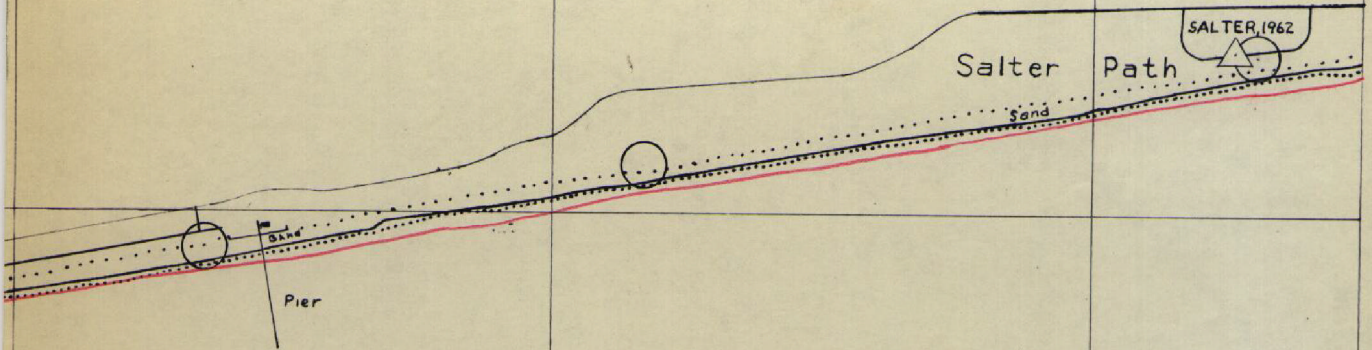
Red = Chart 11541
 Brown = U.S.G.S.

TP-00686
 1:20,000

76° 57'

76° 56'

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."



y=35

41'

34°

40'

y=34

COMPARISON PRINT
 Red = Chart 11541

TP-00686
 1:20,000

76°54'

76°53'

76°52'30"

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. TP-00686

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
8338 (11541)	6-19-79	M. PANAS	Full Part Before After Verification Review Inspection Signed Via Drawing No. 17A (<u>Adequately Applied</u>)
777 (11542)	5-24-78	M.S. MOORE	Full Part Before After Verification Review Inspection Signed Via Drawing No. 18 (<u>Fully Applied</u>)
1234 (11543)	6-19-79	M. PANAS	Full Part Before After Verification Review Inspection Signed Via Drawing No. 28 (<u>Adequately Applied</u>)
			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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