

TP-00509 ORIGINAL

TP-00509

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-00509
Classification No. Edition No. 1

Field Edited Map

LOCALITY

State North Carolina
General Locality Cape Hatteras - Cape Lookout
Locality Ocracoke Inlet

1974 TO 1975

REGISTRY IN ARCHIVES

DATE

TYPE OF SURVEY

SURVEY TP. 00509

DESCRIPTIVE REPORT - DATA RECORD

☒ ORIGINAL

MAP EDITION NO. (1)

☐ RESURVEYMAP CLASS Final (F.E.)☐ REVISEDJOB 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-☐ ORIGINALMAP CLASS ☐ RESURVEY

SURVEY DATES:

☐ REVISED19 TO 19

I. INSTRUCTIONS DATED

1. OFFICE

Aerotriangulation Sep 3, 1974

Compilation Nov 6, 1974

2. FIELD

Jan 10, 1974

Mar 5, 1975

II. DATUMS

1. HORIZONTAL:

☒ 1927 NORTH AMERICAN

OTHER (Specify)

2. VERTICAL:

☒ MEAN HIGH-WATER
☒ MEAN LOW-WATER
☐ MEAN LOWER LOW-WATER
☐ MEAN SEA LEVEL

OTHER (Specify)

3. MAP PROJECTION

*Lambert Conformal
Polyconic*

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 METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY	<u>M. McGinley</u>	<u>Oct, 1974</u>
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Calcomp</u> CHECKED BY	<u>R. Robertson</u>	<u>Oct, 1974</u>
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY	<u>L.O. Neterer, Jr.</u>	<u>Feb, 1975</u>
INSTRUMENT: <u>Wild B-8</u>	<u>G. Vanderhaven</u>	<u>Feb, 1975</u>
SCALE: <u>1:15,000</u>	<u>NA</u>	
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY	<u>C. Parker</u>	<u>Feb, 1975</u>
METHOD: <u>Smooth drafted</u>	<u>A.L. Shands</u>	<u>Feb, 1975</u>
SCALE: <u>1:20,000</u>	<u>NA</u>	
HYDRO SUPPORT DATA BY	<u>NA</u>	
CHECKED BY	<u>NA</u>	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	<u>A.L. Shands</u>	<u>Feb, 1975</u>
6. APPLICATION OF FIELD EDIT DATA BY	<u>D. Butler</u>	<u>Apr, 1975</u>
CHECKED BY	<u>F. Margiotta</u>	<u>May, 1975</u>
7. COMPILATION SECTION REVIEW BY	<u>F. Margiotta</u>	<u>May, 1975</u>
8. FINAL REVIEW BY	<u>A.L. Shands</u>	<u>Oct, 1976</u>
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY	<u>A.L. Shands</u>	<u>Jan, 1977</u>
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		
11. MAP REGISTERED - COASTAL SURVEY SECTION BY	<u>R.T. CATDR</u>	<u>MAR. 1977</u>

TP-00509
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S)

Wild RC-8"E" & RC-10"C"

TYPES OF PHOTOGRAPHY
LEGEND

TIME REFERENCE

TIDE STAGE REFERENCE

☒ PREDICTED TIDES☐ REFERENCE STATION RECORDS☒ TIDE CONTROLLED PHOTOGRAPHY

(C) COLOR

(P) PANCHROMATIC

(I) INFRARED

ZONE

Eastern

☒ STANDARD

MERIDIAN

75th

☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
74E(C)(I) 4448 - 4454	Apr 1, 1974	14:50	1:20,000	1.7 ft. above MLW
74E(C)(I) 4421 - 4425	Apr 1, 1974	13:18	1:30,000	1.5 ft. above MLW
* 74C(C)(I) 8813 - 8814	Apr 1, 1974	14:20	1:60,000*	+0.2 ft. of MHW
* 74C(C)(I) 8794 - 8796	Apr 1, 1974	14:00	1:60,000*	+0.2 ft. of MLW
* 74C(C)(I) 9032 - 9034	Apr 7, 1974	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.

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.

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
No survey	TP-00510	TP-00512	No survey

REMARKS

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

TP-00509

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Tibbetts	Aug, 1974
2. HORIZONTAL CONTROL	RECOVERED BY R. Tibbetts	Mar, Aug, 74
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY R. Tibbetts	Mar, Aug, 74
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 None	
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
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 None	
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
74C(C)(1)8860	WHALE, 1933		
74E(C)(1)4450	SMOTH, 1960		

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

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

2 Form 152 Control Station Identification
1 Form 526 Recovery Note

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION

☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R.S. Tibbetts	April, 1975
2. HORIZONTAL CONTROL RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None	
3. VERTICAL CONTROL RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA NA NA	
4. LANDMARKS AND AIDS TO NAVIGATION RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	None None None	
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	None	
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) 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 type="checkbox"/> 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 Ozalid 1 Field Edit Report			

NOAA FORM 76-36D
(3-72)

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

TP-00509
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	Feb 15, 1975	Class III Manuscript	Mar 7, 1975	Feb 24, 1975
Field edit applied. Compilation complete	Apr, 1975	Class I Manuscript	May 12, 1975	
Final Review	Oct, 1976		Feb. 8, 1977	

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 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-7210

35°20'00"

STANDARTEN NATIONAL
WILDLIFE REFUGE

02

35°10'00"

TP-00509

35°15'00"

02

TP-00507

RESTRICTED
R-5306A

TP-00508

35°05'00"

TP-00510

76°15'00"

76°25'00"

TP-00511

TP-00512

34°50'00"

34°48'00"

76°05'00"

TP-00513

34°40'00"

34°38'00"

JOINS JOB CM-7210
H. 1000000
H. 1000000

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

IC COASTAL AIR DEFENSE IDA

76°

JOB CM-7305
CAPE HATTERAS TO CAPE LOOKOUT
NORTH CAROLINA
SHORELINE MAPPING
SCALE 100,000

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. Ferrow, Jr.
John D. Ferrow, Jr.

Chief, Aerotriangulation Section

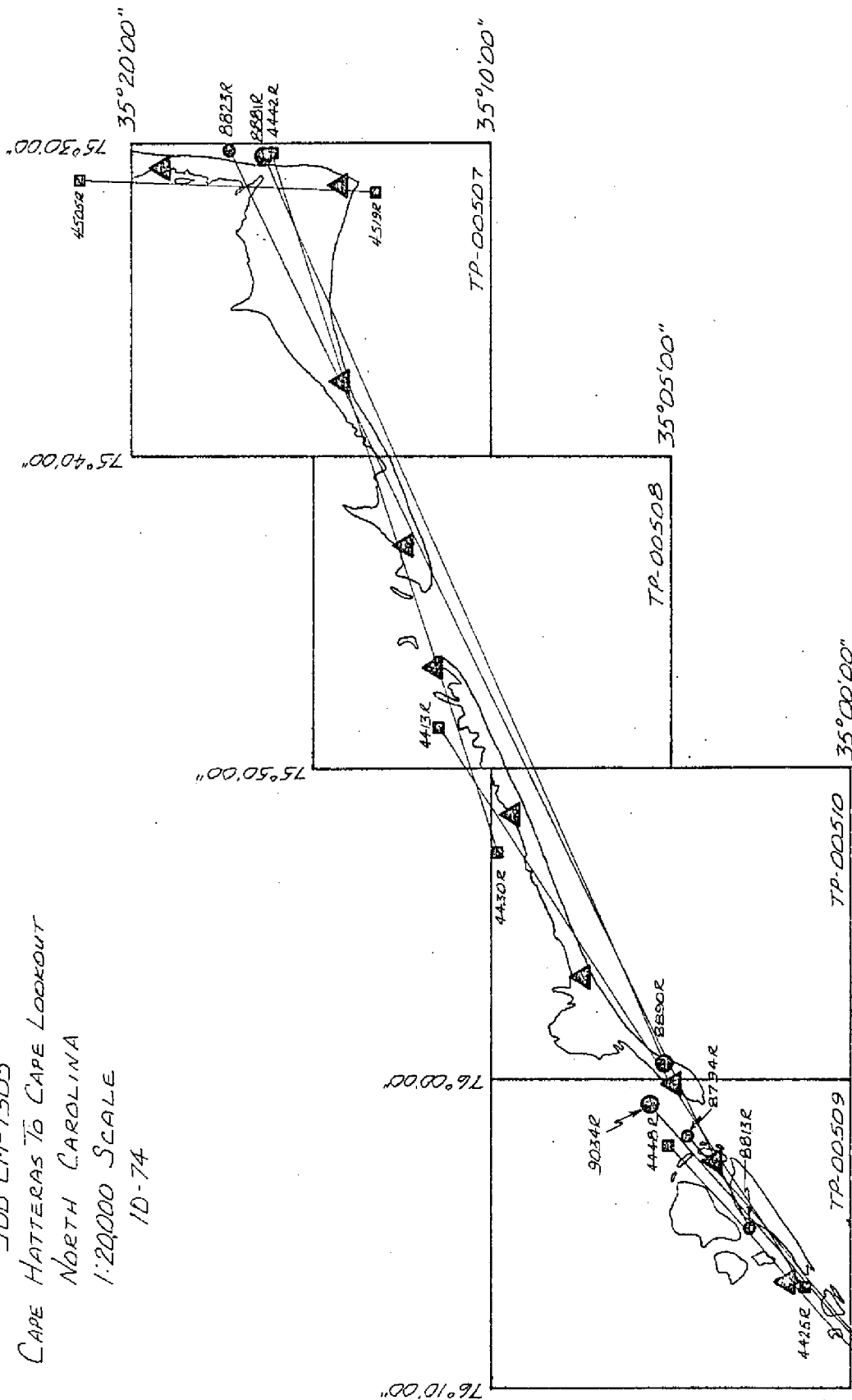
Submitted by:

Michael E. McGinley
Michael E. McGinley

Note to Compiler

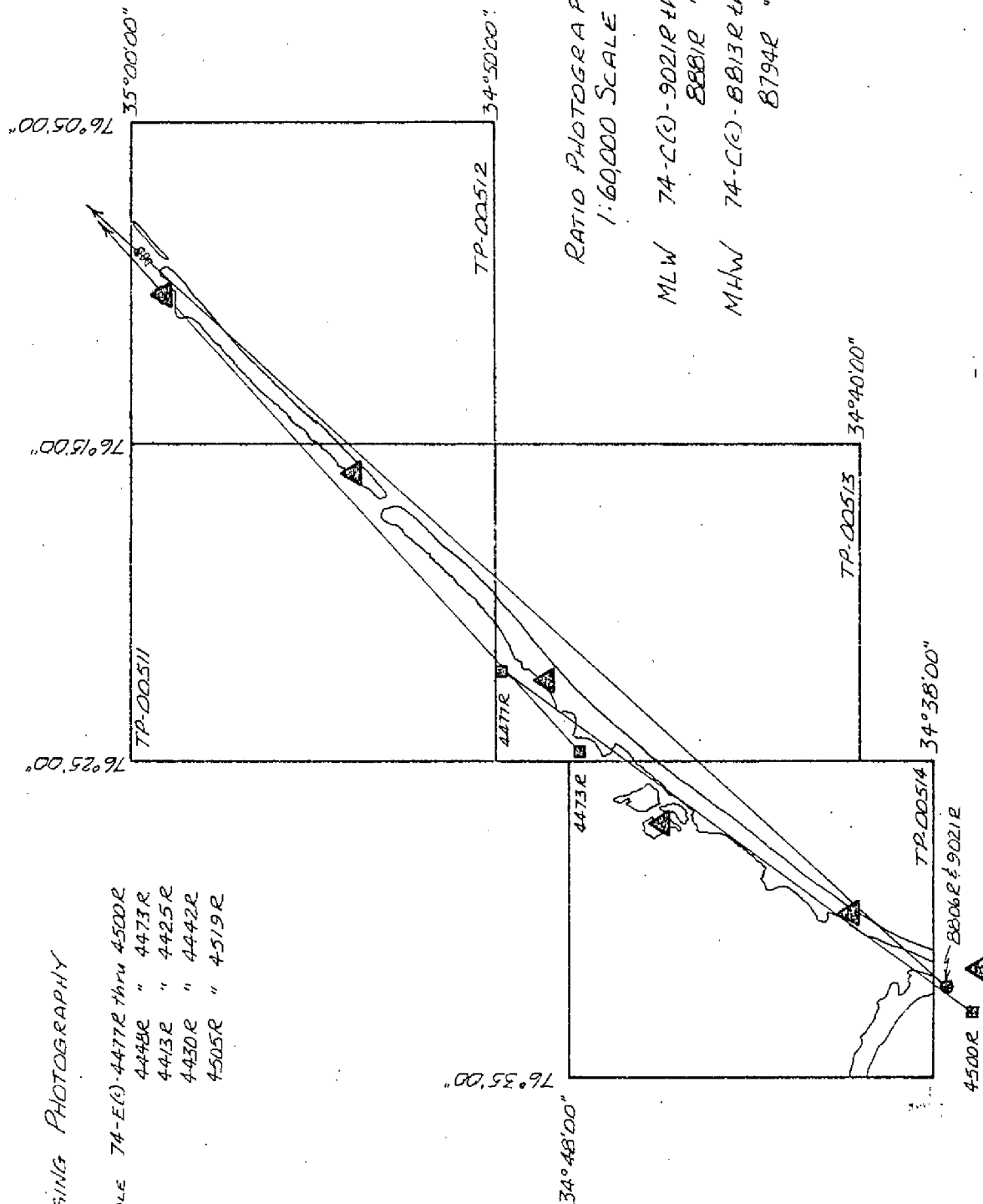
Strip 3 could not be bridged beyond model 74-E(C)-4420/4421. Image points were selected for pass points on photo 4421 to be used for scaling and orientating the photo for delineating the point of land not covered in the bridge. The image points selected are pricked on contact print 4421. A ratio photo 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
 MLW 74-C(1)-8813R thru 8823R
 8794R " 8806R

COMPILATION REPORT

TP-00509

31. DELINEATION:

All details were delineated on the Wild B-8 stereoplotter using the 1:30,000 scale color infrared photography with the exception of the mean high water line and mean low water line. The mean high water line and mean low water line were delineated graphically using 1:60,000 scale color infrared photography ratioed to map scale.

32. CONTROL:

See the attached Photogrammetric Plot Report, dated October, 1974. Control for graphic delineation of the mean high water line and mean low water line was provided by common points dropped from the B-8 models.

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 shoreline and all alongshore details were compiled from office interpretation of the photographs. See Item 31 above.

36. OFFSHORE DETAILS:

Several breaker limits were delineated at the mouth of Ocracoke Inlet to alert the hydrographer to probable shoal areas.

37. LANDMARKS AND AIDS:

None

38. CONTROL FOR FUTURE SURVEYS:

None

39. JUNCTIONS:

See the attached Form 76-36b, Item No. 5 of the Descriptive Report concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with the following U.S. Geological Survey Quadrangles: Portsmouth, N. C., scale 1:24,000 dated 1950, photo revised, 1970. Wainwright Island, N.C., scale 1:24,000 dated 1950.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with the following National Ocean Survey charts: 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 by:

Charles E. Parker

Charles E. Parker
Cartographic Aid
February 18, 1975

Approved:

Albert C. Rauck, Jr.

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

ADDENDUM TO THE COMPILATION REPORT

TP-00509

FIELD EDIT

Field edit was adequate.

22 Oct. 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00509

Atlantic Ocean

Ocracoke Inlet

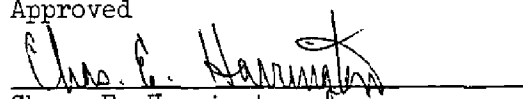
Ocracoke Island

Portsmouth Island

Raleigh Bay

Vera Cruz Shoal

Approved


Chas. E. Harrington
Staff Geographer--C51x2

NOAA FORM 75-74
(2-74)U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL OCEAN SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

T-10363
TP-00509

1. PROJECTION AND GRIDS ALS	2. TITLE ALS	3. MANUSCRIPT NUMBERS ALS	4. MANUSCRIPT SIZE ALS
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY ALS	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 XX	10. PHOTOGRAMMETRIC PLOT REPORT ALS	11. DETAIL POINTS ALS
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE ALS	13. LOW-WATER LINE ALS	14. ROCKS, SHOALS, ETC. ALS	15. BRIDGES XX
16. AIDS TO NAVIGATION ALS	17. LANDMARKS ALS	18. OTHER ALONGSHORE PHYSICAL FEATURES ALS	19. OTHER ALONGSHORE CULTURAL FEATURES XX
PHYSICAL FEATURES			
20. WATER FEATURES ALS	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 XX
CULTURAL FEATURES			
27. ROADS XX	28. BUILDINGS XX	29. RAILROADS XX	30. OTHER CULTURAL FEATURES XX
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES ALS	34. JUNCTIONS ALS		35. LEGIBILITY OF THE MANUSCRIPT ALS
36. DISCREPANCY OVERLAY ALS	37. DESCRIPTIVE REPORT ALS	38. FIELD INSPECTION PHOTOGRAPHS XX	39. FORMS ALS
40. REVIEWER <i>Arnold L. Shands</i> A. L. Shands 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 P. Butler Apr 30, 1975		SUPERVISOR <i>Albert C. Rauck, Jr.</i> A. C. Rauck, Jr.	
Reviewer: <i>Frank P. Margotta</i> Frank P. Margotta May, 1975			
43. REMARKS See Form 76-36C (field edit) for field edit source data.			

FIELD EDIT REPORT
CAPE LOOKOUT TO CAPE HATTERAS, N.C.
JOB CM 7305
MAP TP-00509

52. Adequacy of Compilation

Compilation was adequate. The MHWL was accepted as compiled in accordance with instructions received from the Chief, Coastal Mapping Division, dated May 28, 1974. No changes were noted in the shoreline during field edit. The "wreck", questioned at latitude $35^{\circ}01.8$ longitude $75^{\circ}05.2$, is probably still extant. According to local information there is the wreck of a freighter in this vicinity, which lies offshore and of which the tips of the masts are visible at extreme low waters. As the field editor had no suitable equipment for this type of investigation it was left for the hydrographer. There are no pilings visible at mean low water near the southwesterly end of Ocracoke Island.

54. Recommendations

There are no recommendations.

56. Landmarks and Non-Floating Aids for Navigation

There are no landmarks or non-floating aids within the compiled limits of this map. Three aids to navigation were questioned, but as they fell outside the compiled limits they were ignored in accordance with instructions received from the Chief, Photo Field Surveys Branch, Atlantic Marine Center.

57. Rocks, Reefs, and Shoals

There are no Rocks or reefs, as defined, within the compiled limits of this map. There are several shoals in Ocracoke Inlet, one of which was delineated. These shoals are constantly changing and were accepted as compiled.

58. Photography

Photography consisted of 1:20,000 ratio prints of color infrared photographs. The prints were of poor resolution and made field identification difficult.

59. Disposition of Data

The field edit ozalid, the film ozalid, the photographs and all pertinent data were sent to the Director, Atlantic Marine Center for proper dissemination.

Richard E. Kesselring
Richard E. Kesselring
Surveying Technician
Photo Party 62
April 18, 1975

REVIEW REPORT
TP-00509

SHORELINE

October 27, 1976

61. GENERAL STATEMENT:

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

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with a copy of shoreline manuscripts T-12270 and T-12271, each 1:10,000 scale, dated 1963. Significant differences are noted on the comparison print in blue pencil.

In the area compared, TP-00509 supersedes the above mentioned surveys 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 Island, N. C., scale 1:24,000, dated 1950 and Portsmouth, N. C., scale 1:24,000, dated 1950 photo revised 1970. Significant differences are noted on the comparison print in brown pencil.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No comparison was made. This reviewer was informed by the Verification Branch, AMC that the contemporary hydrographic surveys of this area do not include inshore soundings above the 14 foot depth. These surveys were not available at the Atlantic Marine Center during final review and were not requested from the Rockville office as it was decided that they would not give a good comparison.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 11550, scale 1:40,000, 16th edition dated July 17, 1976. Significant differences are noted on the comparison print in red pencil.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Office Instructions, CM-7305, dated November 6, 1974 except it is not a standard shoreline map. (See first paragraph of Summary)

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

Submitted:

A. L. Shands

A. L. Shands
Cartographer
October 27, 1976

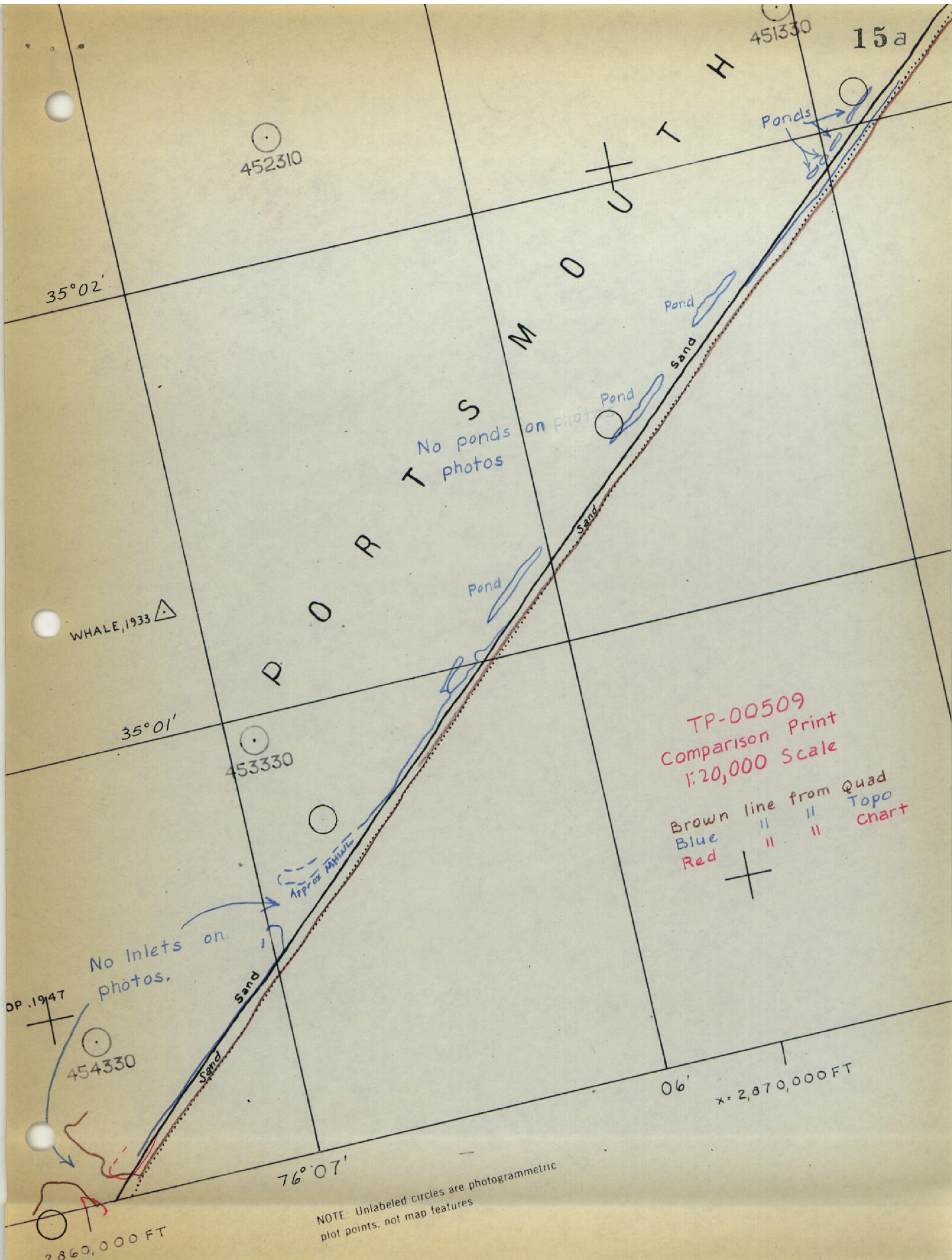
Approved for forwarding

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

Approved:

A. J. [Signature]
Chief, Photogrammetric Branch

[Signature]
Chief, Coastal Mapping Division



TP-00509
Comparison Print
1:20,000 Scale

Brown line from Quad
Blue || || Topo
Red || || Chart

INLET

OCRA COKE

Vera Cruz
Shoal

Area subject to frequent change

NOTE:

"The photogrammetric
location and delineation of

1960

35° 04'

△ MOUND, 1960

35° 03'

76° 02'

76° 00'

04'

03'

Y-490.0

OCRA COKE

Sand

Piles

Artificial Mound

Sand

Breakers

Breakers

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF ~~SURVEY~~ NO.

00509

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.

[illegible]