

TP-00555

TP-00555

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. TP-00555	Edition No. 1
Job No. CM-7206	
Map Classification FINAL CLASS III	
Type of Survey SHORELINE	
LOCALITY	
State ALASKA	
General Locality ZAREMBO ISLAND	
Locality KADIN ISLAND	
1972 TO 1976	
REGISTERED IN ARCHIVES	
DATE	

<b>NOAA FORM 76-36A</b> (3-72)		<b>U. S. DEPARTMENT OF COMMERCE</b> NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.					
<b>DESCRIPTIVE REPORT - DATA RECORD</b>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED					
PHOTOGRAMMETRIC OFFICE  Coastal Mapping Division, Norfolk, VA OFFICER-IN-CHARGE  Jeffrey G. Carlen		SURVEY TP. <u>00555</u>  MAP EDITION NO. (1)  MAP CLASS Final Class III JOB <u>PH. CM-7206</u>					
<b>I. INSTRUCTIONS DATED</b>		<b>LAST PRECEDING MAP EDITION</b>					
<b>1. OFFICE</b>		<b>2. FIELD</b>					
Aerotriangulation                      Sept. 19, 1972 Compilation                                Feb. 22, 1973		Field                                        Jan. 26, 1972					
<b>II. DATUMS</b>							
<b>1. HORIZONTAL:</b> <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)					
<b>2. VERTICAL:</b> <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)					
<b>3. MAP PROJECTION</b>  Polyconic		<b>4. GRID(S)</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">STATE Alaska</td> <td style="width:50%;">ZONE 1</td> </tr> <tr> <td>STATE</td> <td>ZONE</td> </tr> </table>		STATE Alaska	ZONE 1	STATE	ZONE
STATE Alaska	ZONE 1						
STATE	ZONE						
<b>5. SCALE</b> 1:10,000		STATE                                        ZONE					
<b>III. HISTORY OF OFFICE OPERATIONS</b>							
<b>OPERATIONS</b>		<b>NAME</b>	<b>DATE</b>				
<b>1. AEROTRIANGULATION</b> BY METHOD: <u>Analytic-Block</u> LANDMARKS AND AIDS BY		<u>D. Norman</u>	<u>Feb. 1973</u>				
<b>2. CONTROL AND BRIDGE POINTS</b> PLOTTED BY METHOD: <u>Calcomp</u> CHECKED BY		<u>R. Robertson</u> <u>R. Robertson</u>	<u>Feb. 1973</u> <u>Feb. 1973</u>				
<b>3. STEREOSCOPIC INSTRUMENT</b> PLANIMETRY BY COMPILATION    CHECKED BY INSTRUMENT: <u>Wild B-8</u> CONTOURS BY SCALE: <u>1:15,000</u> CHECKED BY		<u>L. Neterer</u> <u>R. R. White</u> <u>N.A.</u> <u>N.A.</u>	<u>July 1973</u> <u>July 1973</u>  				
<b>4. MANUSCRIPT DELINEATION</b> PLANIMETRY BY CHECKED BY METHOD: <u>Smooth draft</u> CONTOURS BY CHECKED BY SCALE: <u>1:10,000</u> HYDRO SUPPORT DATA BY CHECKED BY		<u>C. Parker</u> <u>F. Margiotta</u> <u>N.A.</u> <u>N.A.</u> <u>C. Parker</u> <u>F. Margiotta</u>	<u>July 1973</u> <u>June 1974</u>   <u>July 1973</u> <u>June 1974</u>				
<b>5. OFFICE INSPECTION PRIOR TO FIELD EDIT</b> BY		<u>F. Margiotta</u>	<u>June 1974</u>				
<b>6. APPLICATION OF FIELD EDIT DATA</b> BY CHECKED BY		<u>J. Roderick</u> <u>J. Byrd</u>	<u>Apr. 1977</u> <u>May 1977</u>				
<b>7. COMPILATION SECTION REVIEW</b> BY		<u>J. Byrd</u>	<u>May 9, 1977</u>				
<b>8. FINAL REVIEW</b> BY		<u>C. Blood</u>	<u>July 1987</u>				
<b>9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH</b> BY		<u>J. Byrd</u>	<u>July 1988</u>				
<b>10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH</b> BY		<u>P. Dempsey</u>	<u>Dec. 1988</u>				
<b>11. MAP REGISTERED - COASTAL SURVEY SECTION</b> BY							

NOAA FORM 76-36B  
(3-72)

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

TP-00555  
**COMPILATION SOURCES**

**1. COMPILATION PHOTOGRAPHY**

## CAMERA(S)

Wild RC-8 "E" FL = 152.71mm

TYPES OF PHOTOGRAPHY  
LEGEND

## TIME REFERENCE

## TIDE STAGE REFERENCE

☒ PREDICTED TIDES☐ REFERENCE STATION RECORDS☐ TIDE CONTROLLED PHOTOGRAPHY

X (C) COLOR

(P) PANCHROMATIC

(I) INFRARED

## ZONE

Pacific

## MERIDIAN

120th

☒ STANDARD☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
*72 E(C) 4073-4077	6-23-72	10:45	1:30,000	10.3 ft. above MLLW
*72 E(C) 3789-3790	6-22-72	11:43	1:30,000	11.0 ft. above MLLW

## REMARKS

\*Compilation photographs

**2. SOURCE OF MEAN HIGH-WATER LINE:**

The mean high-water line was delineated from the photographs listed above.

**3. SOURCE OF ~~MEAN HIGH-WATER LINE~~ MEAN LOWER LOW-WATER LINE:**

None delineated, the mean lower low-water photography was not available for compilation.

**4. CONTEMPORARY HYDROGRAPHIC SURVEYS** (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

**5. FINAL JUNCTIONS**

NORTH	EAST	SOUTH	WEST
TP-00639	No Survey	TP-00560	TP-00554

## REMARKS

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

TP-00555

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Houlder	Sept.-Oct. 1975
2. HORIZONTAL CONTROL	RECOVERED BY R. Houlder ESTABLISHED BY None PRE-MARKED OR IDENTIFIED BY None	9/75-10/75
3. VERTICAL CONTROL	RECOVERED BY None ESTABLISHED BY None PRE-MARKED OR IDENTIFIED BY None	
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 <input checked="" type="checkbox"/> NO INVESTIGATION BY	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED None		2. VERTICAL CONTROL IDENTIFIED N.A.	
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 checked="" 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) None			

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

TP-00555

## HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	C. Andreassen	Oct. 1976
2. HORIZONTAL CONTROL RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None	
3. VERTICAL CONTROL RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	N.A.	
4. LANDMARKS AND AIDS TO NAVIGATION RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY 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	M. Kenny	Oct. 1976
7. BOUNDARIES AND LIMITS SURVEYED OR IDENTIFIED BY	None	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

N.A.

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

72 E(C) 4076    72 E(C) 3789

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)

Film Field Edit Ozalid  
Field Report OPR-448-DA-76

NOAA FORM 76-36D (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION TP-00555		
<b>RECORD OF SURVEY USE</b>				
<b>I. MANUSCRIPT COPIES</b>				
COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	July 1973	Class III Map	June 28, 1974	June 28, 1974
New bridge data received. Redrafting not required.	June 1974			
Field edit applied Compilation complete pending field edit completion	Apr. 1977	Class III Map	Mar. 24, 1977	Mar. 24, 1977
Final Review	July 1987	Final Class III Map	Dec. 1987	
<b>II. LANDMARKS AND AIDS TO NAVIGATION</b> None				
<b>1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH</b>				
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS	
2. <input type="checkbox"/> REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: <u>None</u> 3. <input type="checkbox"/> REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____				
<b>III. FEDERAL RECORDS CENTER DATA</b>				
1. <input checked="" type="checkbox"/> BRIDGING PHOTOGRAPHS; <input checked="" type="checkbox"/> DUPLICATE BRIDGING REPORT; <input checked="" type="checkbox"/> COMPUTER READOUTS. 2. <input checked="" type="checkbox"/> CONTROL STATION IDENTIFICATION CARDS; <input type="checkbox"/> FORM NOS 567 SUBMITTED BY FIELD PARTIES. 3. <input 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: _____				
<b>IV. SURVEY EDITIONS</b> (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 CM-7309

JOINS PH-6627

JOINS PH-6909

Z A R E M B O

202-143

100

56

56

22 50 55

SHEET NO. 52 MI

TP-00551	8
TP-00552	2
TP-00553	9
TP-00554	11
TP-00555	4
TP-00556	5
TP-00557	5
TP-00558	5
TP-00559	8
TP-00560	4
TP-00561	5
TP-00562	5
TP-00563	7
TP-00564	9
TP-00565	4
TP-00566	7
TP-00567	2
TP-00568	5
TP-00569	4
TP-00570	9
TP-00571	10
TP-00572	17
TP-00573	2
TP-00574	6
TP-00575	1
TP-00576	19
TP-00577	19
TP-00578	3
TP-00579	6
TP-00580	0
TP-00581	6
TP-00582	6
TP-00583	15
TP-00584	13

TP-00638 4  
TP-00639 1  
TOTAL 250

ZAREMBO ISLAND, ALASKA

## SHORELINE MAPPING

1:10,000 SCALE

PH-6303

JOINS  
PH-6303

REVISED 5/18/72 R.W.W.  
REVISED 4/23/73 R.W.W.

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

TP-00555

This final Class III shoreline map is one of thirty-six 1:10,000 scale maps designated as CM-7206, Zarembo Island, Alaska.

The purpose of this map was to provide contemporary shoreline in support of hydrographic operations and to aid in chart revision.

Field work prior to compilation during the 1972 field season consisted of recovery and premarking of horizontal control for aerotriangulation.

This map area was photographed in June 1972 with the RC-9 "M" camera at 1:60,000 scale using panchromatic film. The map area was also photographed in June 1972 with the RC-8 "E" camera at 1:30,000 scale using color film.

Aerotriangulation was completed at the Washington Office in February 1973 and revised in January 1974.

This map was compiled at the Norfolk Office in June 1974.

Field edit was partially acquired for TP-00555 during the 1976 field season. Field edit was applied at AMC in May 1977.

Final review was accomplished at the Atlantic Marine Center in July 1987. A Chart Maintenance Print was prepared and forwarded to the Marine Charts Branch.

This Descriptive Report contains all pertinent information used to compile this Final Class III Map. The original base manuscript and all related data were forwarded to the Washington Science Center for final registration.



## FIELD INSPECTION

TP-00555

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and premarking of the horizontal control necessary for the aerotriangulation of the project.

9

Photogrammetric Plot Report  
Zarembo Island, Alaska  
CM-7206  
February 1973

21. Area Covered

This report pertains to 34 sheets in the vicinity of Zarembo Island, Alaska. The sheets covered are TP-00551 through TP-00584. All are 1:10,000 scale.

22. Method

Six strips of RC-9 photography at 1:60,000 scale and three strips of RC-8 photography at 1:30,000 scale were bridged by analytic aerotriangulation methods and adjusted to ground with the block adjustment program. Points were established for determining ratios of 1:30,000 scale support photography. Sufficient points were also established for setting 1:30,000 scale compilation photography. These points were plotted by the Coradomat.

23. Adequacy of Control

The control was adequate. Ten horizontal control stations were used in the block adjustment. Shoreline points with approximately 0 elevation were used as vertical control.

The horizontal positions of several light structures were determined in the block adjustment. The positions of these structures are to be verified by field methods as a check on the block adjustment.

24. Supplemental Data

USGS topographic quadrangles were used in determining elevations for strip adjustments.

25. Photography

The photography was adequate, however, on sheet TP-00565, there is no coverage with 1:30,000 scale photography of Rookery and Tide Islands.

On sheet TP-00559 it was impossible to establish points for the compilation of Five Mile Island. It is recommended that a field party establish points for the graphic compilation. A ratio photograph was ordered and sent to the compilation office.

submitted by,

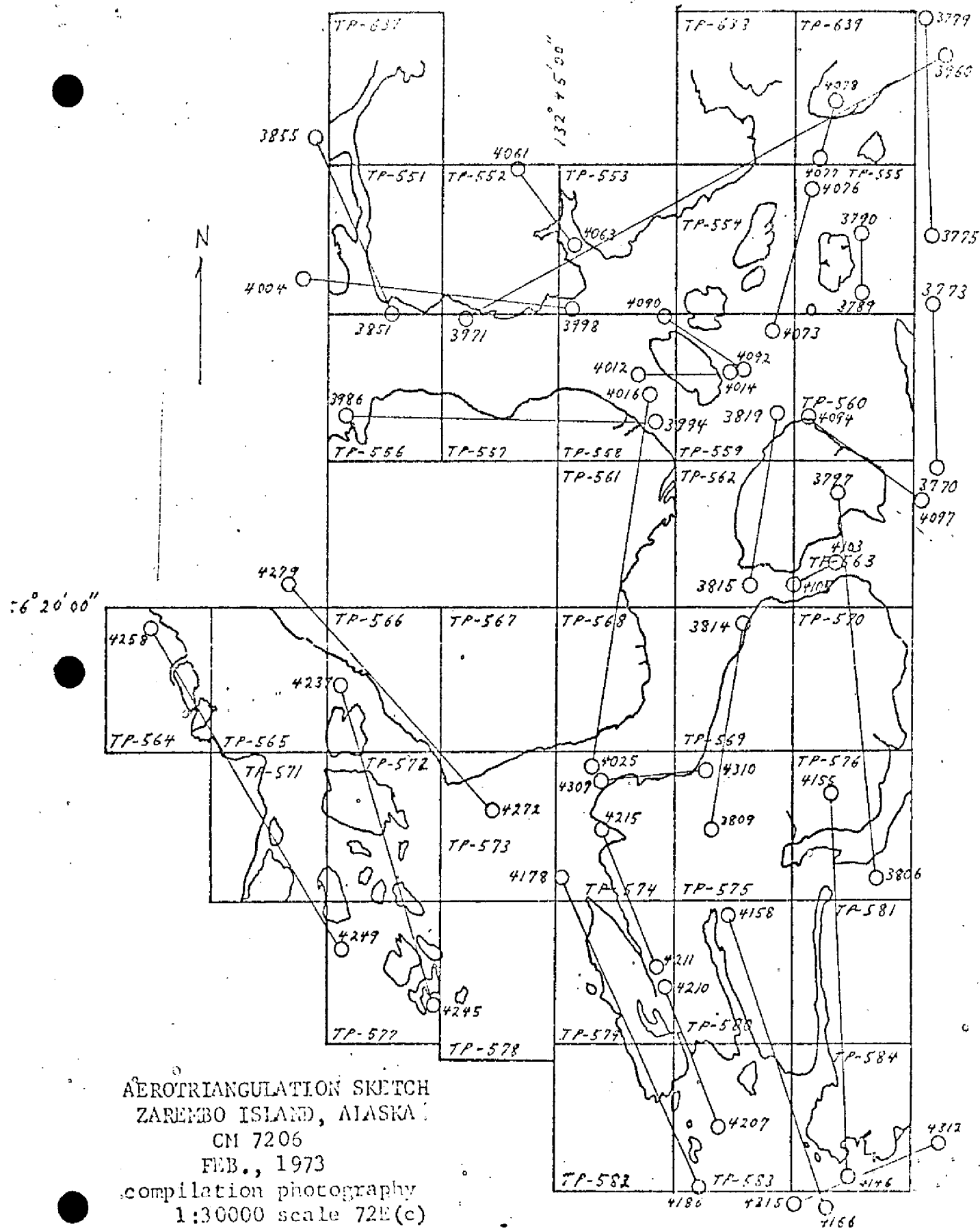
*Don O. Norman*

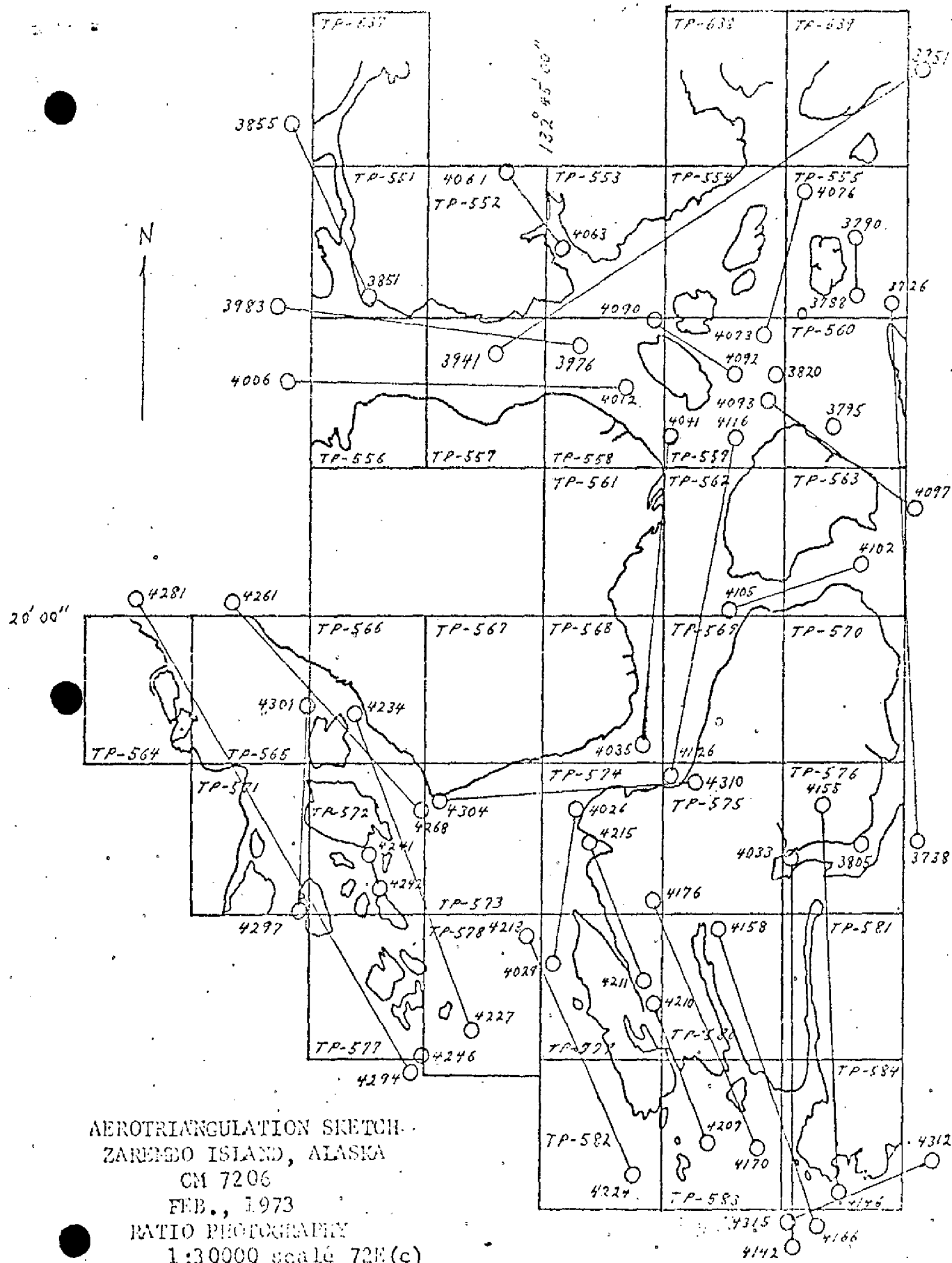
Don O. Norman

Approved by

*John D. Perrow*  
John D. Perrow, Chief, Aerotriangulation Section







ADDENDUM  
ZAREMBO ISLAND, ALASKA  
CM-7206  
January 1974

In the compilation office at the Atlantic Marine Center, it was noticed that when a model in the vicinity of Wrangell Narrows (TP-00551) was set by holding the compilation points, the navigation lights would not plot in their proper positions. In this vicinity the horizontal control station LUNG, 1929, was weighted in the block and would not hold within 7 feet.

It was decided to remeasure several models to determine refined coordinates for MIDWAY ROCK LIGHT, 1929, and PORT ALEXANDER LIGHT, 1929. Plate 72E(C)4004 was also remeasured for another refined coordinate for LUNG, 1929. At this time it was noticed that the refined coordinate for point 004320 was not correct. Corrections were made and all these refined coordinates were placed in their proper place in the block.

Another block adjustment was run just as before, except MIDWAY ROCK LIGHT and PORT ALEXANDER LIGHT were also weighted. This produced satisfactory results. LUNG fit within 0.8 feet, MIDWAY ROCK LIGHT within 2.2 feet and PORT ALEXANDER LIGHT within 3.1 feet. In this same vicinity compilation points changed by as much as 16.7 feet.

It is believed that this block is now properly adjusted and will meet national map accuracy standards. New T-sheets will be ruled and forwarded to AMC for compilation.

Submitted by,

*Don O. Norman*  
Don O. Norman

Approved by:

*John D. Perrow, Jr.*  
John D. Perrow, Jr.  
Chief, Aerotriangulation Section

Note: After thorough research it was determined that the name PORT ALEXANDER LIGHT was used incorrectly in this report for POINT ALEXANDER LIGHT 1929. POINT ALEXANDER LIGHT 1929 is adjacent to LUNG 1929 and MIDWAY ROCK LIGHT 1929. PORT ALEXANDER LIGHT is located approximately 2° west of the project area.

## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	CM-7206	GEODETIC DATUM	ORIGINATING ACTIVITY	Coastal Mapping
TP-00555			N.A. 1927	Division, AMC, Norfolk, VA	
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET STATE Alaska ZONE 1	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
KADIN, 1929	Vol. 2 P. 477	55	X=	φ 56° 32' 43.960"	
			Y=	λ 132° 27' 58.246"	
KARDIN, 1893	Vol. 1 P. 125	63	X=	φ 56° 32' 26.443"	
			Y=	λ 132° 26' 36.066"	
KAD, 1916	Vol. 3 P. 989	52	X=	φ 56° 32' 25.413"	
			Y=	λ 132° 28' 29.906"	
BANK, 1954	Vol. 3 P. 931	56	X=	φ 56° 31' 23.178"	
			Y=	λ 132° 26' 23.932"	
FLATS, 1954	Vol. 3 P. 930	57	X=	φ 56° 30' 46.444"	
			Y=	λ 132° 27' 10.447"	
EDGE, 1954	Vol. 3 P. 931	58	X=	φ 56° 30' 57.134"	
			Y=	λ 132° 28' 23.687"	
GAFF, 1954	Vol. 3 P. 931	59	X=	φ 56° 30' 18.002"	
			Y=	λ 132° 28' 48.994"	
			X=	φ	
			Y=	λ	
			X=	φ	
			Y=	λ	
			X=	φ	
			Y=	λ	
COMPUTED BY A. C. Rauck, Jr.		DATE 3/14/73	COMPUTATION CHECKED BY F. Margiotta		DATE 3/19/73
LISTED BY		DATE	LISTING CHECKED BY		DATE
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE

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

## COMPILATION REPORT

TP-00555

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter, using 1:30,000 scale color photographs. The stage of tide was above mean lower low-water at the time of photography, therefore, detail which covers by tide is only partially compiled.

The quality of the photographs is adequate for shoreline compilation.

32. CONTROL:

Refer to the Photogrammetric Plot Report, dated February 1973.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are inapplicable. Drainage was delineated from the compiler's interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The mean high-water line and alongshore details were delineated from the compiler's interpretation of the photography.

36. OFFSHORE DETAILS:

Offshore detail was delineated from the compiler's interpretation of the photographs. Details which were covered by the tide at the time of photography were not compiled.

37. LANDMARKS AND AIDS:

There were no charted nonfloating aids or landmarks and none were noted during stereoscopic instrument compilation.



TP-00555

38. CONTROL FOR FUTURE SURVEY:

None.

39. JUNCTIONS:

A satisfactory junction was made with the adjoining contemporary maps. Refer to the Data Record Form 76-36B, item 5.

40. HORIZONTAL AND VERTICAL ACCURACY:

No Statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with the U.S. Geological Survey quadrangle PETERSBURG (C-2) Alaska, 1:63,360 scale, dated 1948.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following U.S. Coast and Geodetic Survey Charts:

8160, 1:80,000 scale, dated July 4, 1970  
8201, 1:217,828 scale, dated November 15, 1969.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

*Charles E. Blood*  
*for*

Charles Parker  
Cartographic Aid  
July 26, 1973

Approved and forwarded:

*A. C. Rauck, Jr.*

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

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7206 (Clarence and Sumner Straits, Alaska)

TP-00555

Eastern Passage

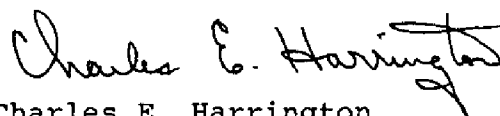
Kadin Island

Koknuk Flats

Liesnoi Island

Sergief Island

Approved:



Charles E. Harrington  
Chief Geographer  
Nautical Charting Division  
Charting and Geodetic Services

FIELD EDIT REPORT

TP-00555

Sumner Strait, Alaska

OPR-448-DA-76

NOAA Ship DAVIDSON

1976

## 51 METHODS

Field edit on shoreline manuscript TP-00555 was accomplished in accordance with project instructions OPR-448-DA-76, Sumner Strait, Alaska, dated 10 June 1976 and as per change no. 4-75 of the PMC OPORDER.

OPORDER procedures for field edit with HYDROPLOT support in conjunction with hydrography were used.

Items noted on the Discrepancy Print were transferred to the Field Print. The Field Print and field photographs (matte ratio photographs 72E4076 and 72E3789) were taken into the field to investigate and identify features.

The field edit investigation was performed on 15 October 1976 (JD 289). It was conducted from a small skiff at or near low tide. Three-point sextant fixes and check fixes were taken to locate features not photogrammetrically identifiable or to resolve questions on the Discrepancy Print.

All original data was recorded on the Field Print at the time of investigation. All hydrographic detached position information is included in the hydrographic records for H-9653 (OPR-448). All times are referenced to GMT(z).

Detached positions have been recorded and processed with hydrographic data for the project and are indexed on the MYLAR Field Edit Sheet. Visual fixes taken at the detached positions were computed with program RK-300 (Utility Computations; version 5/22/75).

Weather observations for the day of field edit were generally as follows: winds: 0-10 knots; sky: partly cloudy; water vertical visibility: 0-3 feet.

A tide gage was installed at Greys Island and should provide the controlling tide data for this sheet. A temporary gage was also installed on Mitkof Island (triangulation station BELLA 1976) to monitor tides in Dry Strait, thus providing needed supplementary tidal information.

Standard ink colors as per PMC OPORDER 1975 were used to process the field edit data.

FIELD PHOTOGRAPHS:      Violet - Additions  
                             Green - Deletions

FIELD EDIT SHEET:      Red - Additions  
                          Green - Deletions  
                          Violet - References to photos

FINAL FIELD SHEET:      Black - Manuscript, no change  
                          Red - Additions

## 52 ADEQUACY AND COMPILATION

The map compilation is adequate and complete for charting with this field edit applied.

## 53 MAP ACCURACY

The high water line as depicted on the map is accurate except in the few cases indicated. Hydrography run to the shoreline, which consisted primarily of steep rock outcroppings, using MINI-RANGER control agrees well with the compiled high water line.

## 54 RECOMMENDATIONS

This manuscript should be considered complete with additions compiled by this field edit.

## 56 MISCELLANEOUS

At high tide an attempt was made to field edit the marsh area of Koknuk Flats. The small skiff could not get within a quarter mile of the MHWL due to the mud flats; therefore the MHWL could not be delineated. It appears that the most practical way of determining the MHWL in the mud flat area is by photogrammetric methods.

Four rocks are shown on the Discrepancy Print and Chart #17382 (formerly #8160), but not on the Field Edit Sheet. Their positions are as follows:

<u>Latitude</u>	<u>Longitude</u>
56°30'21.5"N	132°27'30.0"W
56°30'43.4"N	132°27'12.0"W
56°30'47.9"N	132°28'04.0"W
56°32'50.5"N	132°27'49.3"W

These rocks are not visible on the photographs and no evidence of them could be found at low tide. All four rocks are outside of the hydrographic survey limits for OPR-448 and no hydrography was performed in those areas.

There are no cliffs or bluffs in this area that are of landmark value. At latitude 56°31'52"N, longitude 132°28'27"W there is an island that could be of some landmark value. It is visible on the photographs and is described on the field photograph and Field Edit Sheet.

No "Non-Floating Aids or Landmarks for Charts" forms (form 76-40) were submitted with this manuscript since there are no fixed or floating aids to navigation in this area.

Submitted by:

*Maureen R. Kenny*  
Maureen R. Kenny  
ENS, NOAA

Approved and Forwarded by:

*Christian Andreasen*  
Christian Andreasen  
CDR, NOAA  
Commanding Officer

REVIEW REPORT  
SHORELINE

TP-00555

61. GENERAL STATEMENT:

See the summary included with this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Not applicable.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the following Hydrographic Surveys:

H-9651, 1:10,000 scale, dated August 9, 1978

H-9653, 1:10,000 scale, dated July 11, 1977.

A contemporary survey north of latitude  $56^{\circ} 32.5'$  and east of longitude  $132^{\circ} 28'$  was not available for comparison at the time this map was final reviewed.

There were no conflicts.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following NOS charts:

17384, 1:20,000 scale, dated December 24, 1983

17382, 1:80,000 scale, dated July 25, 1981,

17360, 1:217,828 scale, dated November 14, 1981.

The larger scale charts were compared where a smaller scale chart did not cover the map area.

Chart 17382 has been corrected in accordance with the Field Edit Report.

The chart compared well with this manuscript.

TP-00555

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the Project Instructions, and meets the requirements for National Standards of Map Accuracy.

Submitted by:



James L. Byrd, Jr.  
Final Reviewer

Approved for forwarding:



Billy H. Barnes  
Chief, Quality Assurance Group, AMC

Approved:

Chief, Photogrammetric Productions Sec. Chief, Photogrammetry Branch





## RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

## 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]