

TP-00554

TP-00554

NOAA FORM 76-35 (6-80) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h1>DESCRIPTIVE REPORT</h1>	
<i>Map No.</i> TP-00554	<i>Edition No.</i> 1
<i>Job No.</i> CM-7206	
<i>Map Classification</i> FINAL FIELD EDITED MAP	
<i>Type of Survey</i> SHORELINE	
<b>LOCALITY</b>	
<i>State</i> ALASKA	
<i>General Locality</i> ZAREMBO ISLAND	
<i>Locality</i> RYNDA ISLAND	
<div style="border: 1px solid black; padding: 5px; display: inline-block;">           1972 TO 1976         </div>	
<b>REGISTERED IN ARCHIVES</b>	
<b>DATE</b>	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE 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>00554</u>  MAP EDITION NO. <u>(1)</u>  MAP CLASS <u>Final</u>  JOB <u>PH. CM-7206</u>	
I. INSTRUCTIONS DATED		LAST PRECEDING MAP EDITION	
1. OFFICE		2. FIELD	
Aerotriangulation Sept. 19, 1972 Compilation Feb. 22, 1973		Field Jan. 26, 1972	
II. DATUMS			
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)	
2. VERTICAL: <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)	
3. MAP PROJECTION  Polyconic		4. GRID(S) STATE <u>Alaska</u> ZONE <u>1</u>	
5. SCALE 1:10,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY METHOD: <u>Analytic-Block</u> LANDMARKS AND AIDS BY		<u>D. Norman</u>	<u>Feb. 1973</u>
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Calcomp</u> CHECKED BY		<u>R. Robertson</u> <u>R. Robertson</u>	<u>Feb. 1973</u> <u>Feb. 1973</u>
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: <u>Wild B-8</u> SCALE: <u>1:15,000</u> CONTOURS BY CHECKED BY		<u>L. Neterer, Jr.</u> <u>R. White</u>	<u>July 1973</u> <u>July 1973</u>
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: <u>Smooth draft and graphic</u> CONTOURS BY CHECKED BY SCALE: <u>1:10,000</u> HYDRO SUPPORT DATA BY CHECKED BY		<u>C. Parker</u> <u>A. Shands</u> <u>None</u> <u>None</u> <u>C. Parker</u> <u>A. Shands</u>	<u>July 1973</u> <u>Aug. 1973</u>   <u>July 1973</u> <u>Aug. 1973</u>
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		<u>A. Shands</u>	<u>Aug. 1973</u>
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY		<u>J. Roderick</u> <u>L. Neterer, Jr.</u>	<u>Apr. 1977</u> <u>May 1977</u>
7. COMPILATION SECTION REVIEW BY		<u>L. Neterer, Jr.</u>	<u>May 1977</u>
8. FINAL REVIEW BY		<u>C. Blood</u>	<u>July 1987</u>
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		<u>J. Byrd</u>	<u>July 1988</u>
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		<u>P. Dempsey</u>	<u>Dec. 1988</u>
11. MAP REGISTERED - COASTAL SURVEY SECTION BY			

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

TP-00554

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "E" FL = 152.71mm		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		X (C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Pacific MERIDIAN 120th <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
72 E(C) 3946-3948	6-23-72	09:06	1:30,000	6.7 ft. above MLLW	
*72 E(C) 4073-4076	6-23-72	10:45	1:30,000	10.3 ft. above MLLW	
*72 E(C) 3964-3966	6-23-72	09:20	1:30,000	7.2 ft. above MLLW	

REMARKS \*Compilation photographs  
Hydrographic support photograph 72 E(C) 3947 was used to graphically compile a portion of Rynda Island

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

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

## 3. SOURCE OF 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-00638	TP-00555	TP-00559	TP-00553

REMARKS

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

TP-00554

## HISTORY OF FIELD OPERATIONS

I. <input type="checkbox"/> FIELD INSPECTION OPERATION				<input checked="" type="checkbox"/> FIELD EDIT OPERATION			
OPERATION		NAME		DATE			
1. CHIEF OF FIELD PARTY		C. Andreasen		Oct. 1976			
2. HORIZONTAL CONTROL		RECOVERED BY		None			
		ESTABLISHED BY		None			
		PRE-MARKED OR IDENTIFIED BY		None			
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					
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				2. VERTICAL CONTROL IDENTIFIED			
None				N.A.			
PHOTO NUMBER	STATION NAME			PHOTO NUMBER	STATION DESIGNATION		
3. PHOTO NUMBERS (Clarification of details)							
72 E(C) 4090, 72 E(C) 4074-4075, 72 E(C) 3946							
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)							
Film Field Edit Ozalid							
Field Report OPR-448-DA-76							

NOAA FORM 76-36C  
(3-72)

NOAA FORM 76-36D  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00554  
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	July 24, 1973	Class III Map	June 28, 1974	June 28, 1974
Field edit applied compilation complete	Apr. 1977	Class I Map	Mar. 24, 1977	Mar. 24, 1977
Final Review	July 1987	Final Map	Dec. 1988	

## II. LANDMARKS AND AIDS TO NAVIGATION

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

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. 76-40 <sup>76-40</sup> 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 CM-7309

MITKOF I.

TP-00639 TP-00639

56°40'0"

JOINS PH-6627

TP-00551 TP-00552 TP-00553 TP-00554 TP-00555

56°35'00"

TP-00556 TP-00557 TP-00558 TP-00559 TP-00560

56°30'00"

ZAREMBO I.

TP-00561 TP-00562 TP-00563

56°25'00"

TP-00564 TP-00565 TP-00566 TP-00567 TP-00568 TP-00569 TP-00570

56°20'00"

TP-00571 TP-00572 TP-00573 TP-00574 TP-00575 TP-00576

56°15'00"

JOINS PH-6705

TP-00577 TP-00578 TP-00579 TP-00580 TP-00581

56°10'00"

ETOLIN ISLAND

JOINS PH-6705

CM-7206

TP-00582 TP-00583 TP-00584

56°05'00"

ZAREMBO ISLAND, ALASKA

SHORELINE MAPPING

110,000 SCALE

JOINS PH-6303

JOINS PH-6303

56°00'00"

SHEET NO. 59 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 3
- TP-00571 10
- TP-00572 17
- TP-00573 2
- TP-00574 6
- TP-00575 1
- TP-00576 9
- TP-00577 14
- TP-00578 3
- TP-00579 6
- TP-00580 8
- TP-00581 6
- TP-00582 6
- TP-00583 15
- TP-00584 13

TP-00630 9  
TP-00631 8  
TOTAL 250

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

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

TP-00554

This final 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. The revised aerotriangulation does not affect this map.

This map was compiled at the Norfolk Office in August 1973.

Field edit was acquired for TP-00554 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 Field Edited Map. The original base manuscript and all related data were forwarded to the Washington Science Center for final registration.

## FIELD INSPECTION

TP-00554

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.



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.

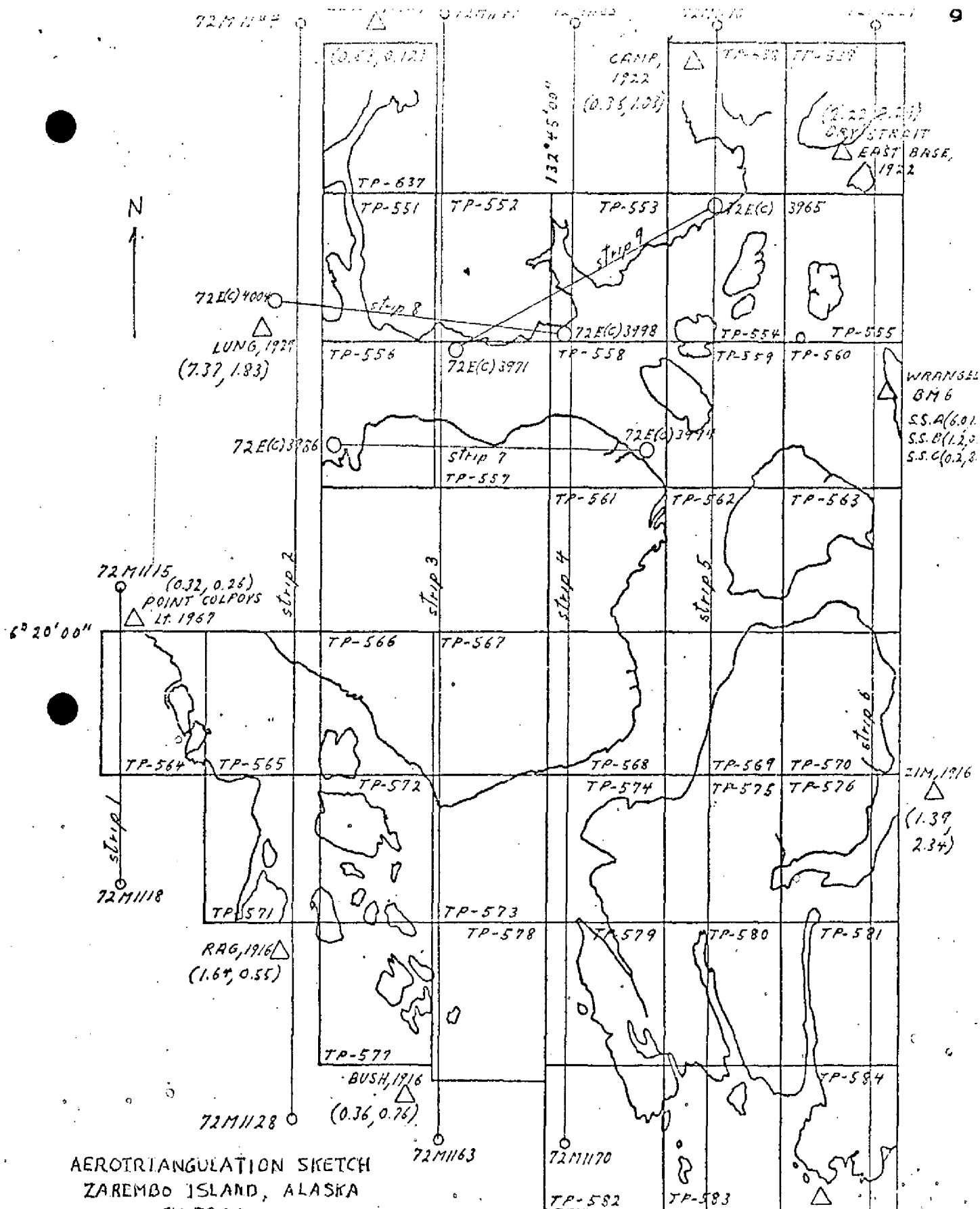
submitted by,

*Don O. Norman*

Don O. Norman

Approved by

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



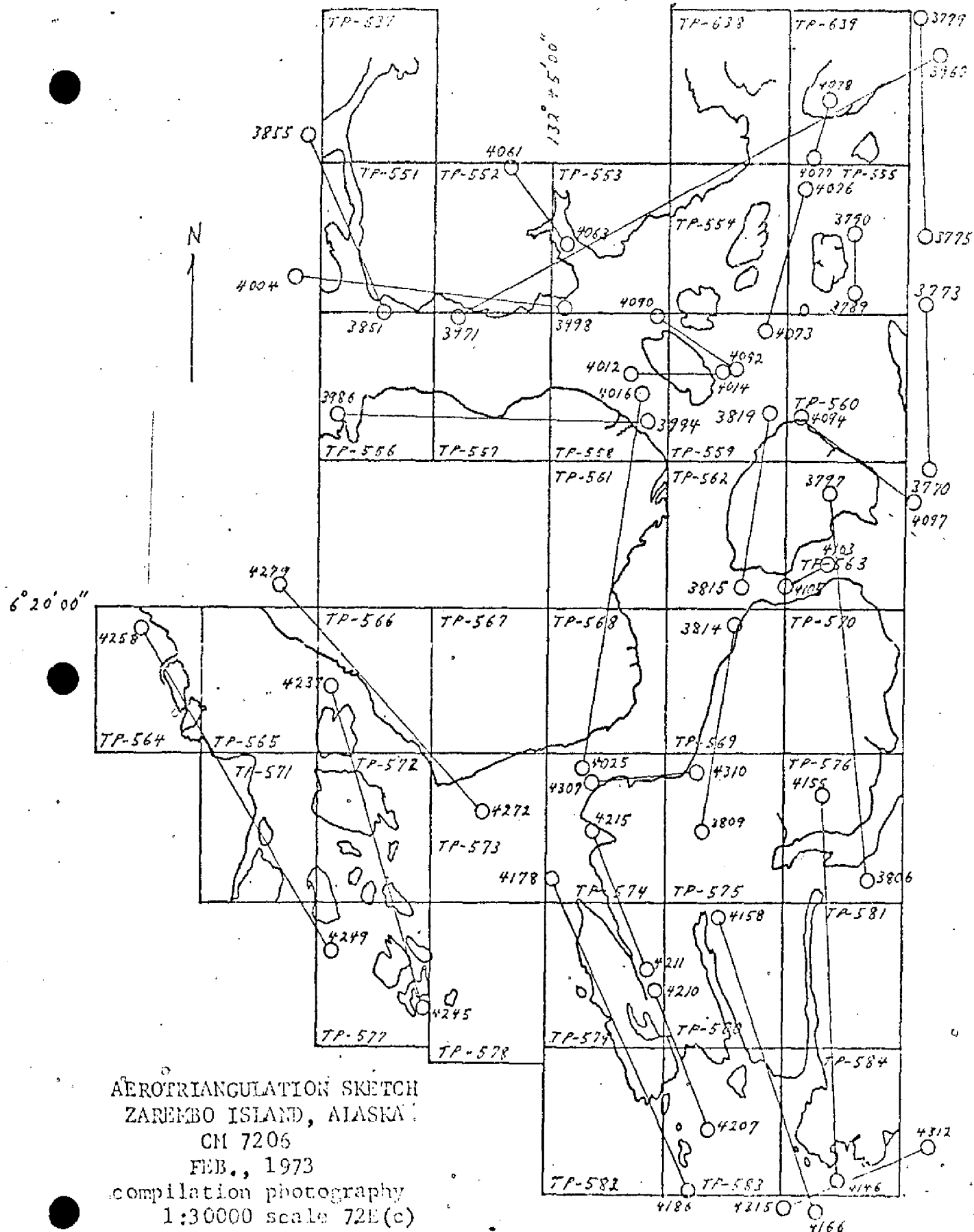
AEROTRIANGULATION SKETCH  
ZAREMBO ISLAND, ALASKA  
CM 7206

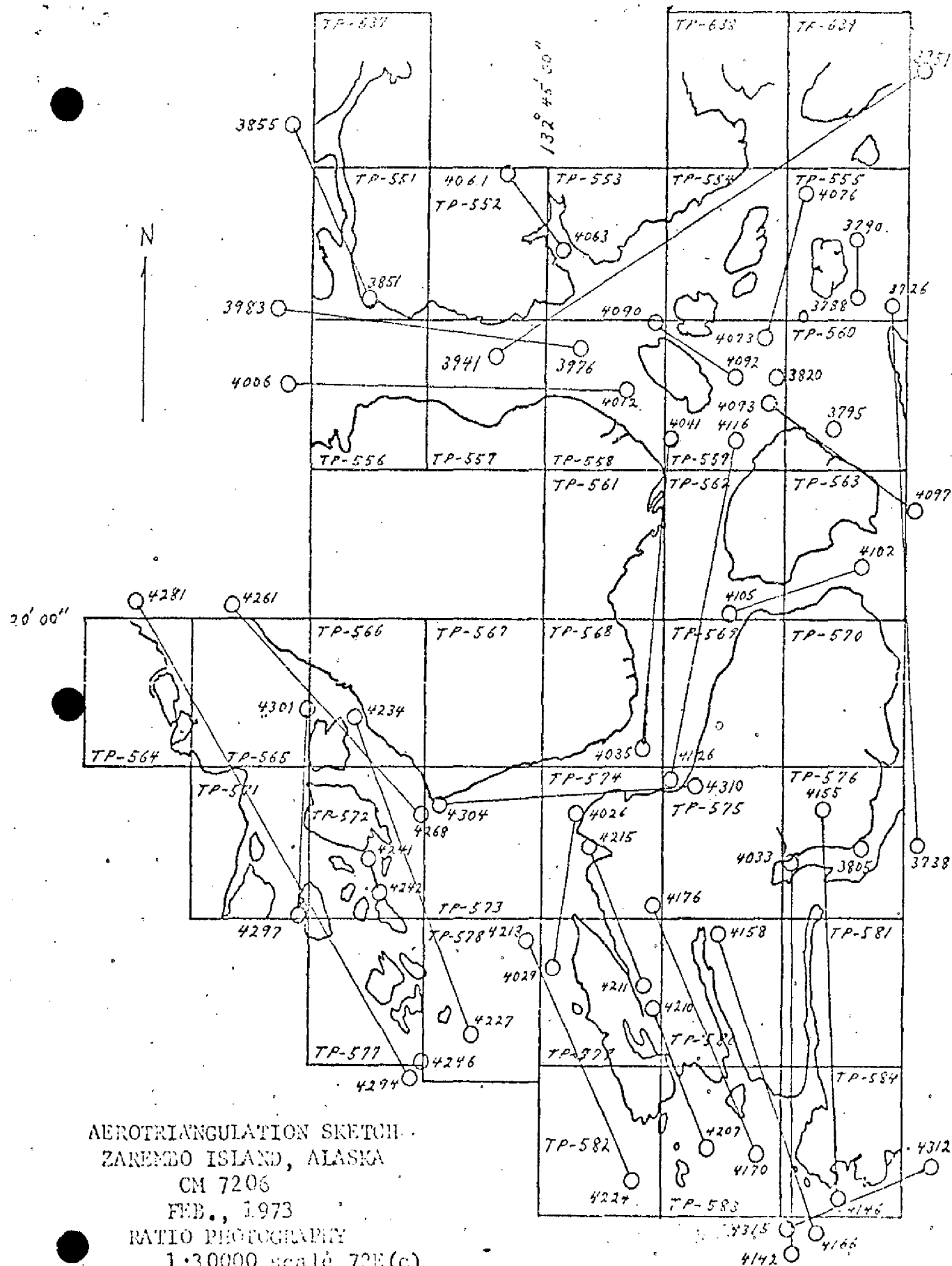
FEB., 1973

BRIDGING PHOTOGRAPHY

○ 1:60000 scale

○ 1:30000 scale





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-00554		N.A. 1927	Division, AMC, Norfolk, VA	
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		REMARKS
			STATE	ALASKA	
			ZONE	1	
WILL, 1916	Vol. 1 P. 140	50	X=	56° 33' 08.587"	
			Y=	132° 37' 16.486"	
RYNDA, 1922	Vol. 3 P. 989	51	X=	56° 33' 35.473"	
			Y=	132° 31' 03.086"	
RYN, 1916	Vol. 3 P. 989	53	X=	56° 32' 27.199"	
			Y=	132° 31' 09.219"	
GREY, 1916	Vol. 3 P. 989	54	X=	56° 31' 05.815"	
			Y=	132° 31' 54.359"	
SOK, 1916	Vol. 1 P. 147	49	X=	56° 30' 39.512"	
			Y=	132° 36' 47.372"	
			X=	φ	
			Y=	λ	
			X=	φ	
			Y=	λ	
			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-00554

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter, except a portion of this map which was not visible on the compilation photography. This area was compiled graphically from hydrographic support photography. The photography used is 1:30,000 scale, color. The stage of tide was above mean lower low-water at the time of photography, therefore, details which were submerged at the time of photography, were not 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 details were delineated from the compiler's interpretation of the photography. Details which were submerged 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-00554

38. CONTROL FOR FUTURE SURVEY:

None.

39. JUNCTIONS:

A satisfactory junction was made with all 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 24, 1973

Approved and forwarded:

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



GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7206 (Clarence and Sumner Straits, Alaska)

TP-00554

Greys Island

Koknuk Flats

Mitkof Island

Rynda Island

Sokolof Island

Sumner Strait

Wilson Islands

Approved:



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

## FIELD EDIT REPORT

TP-00554

Sumner Strait, Alaska

OPR-448-DA-76

NOAA Ship DAVIDSON

1976

## 51 METHODS

Field edit on TP-00554 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 OPODER.

OPODER procedures for field edit with HYDROLOT 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 72E4090, 72E4075, 72E3946 and 72E4074) were taken into the field to investigate and identify features.

The field edit investigation was performed on 14, 15, 17 and 20 October 1976 (JD 288, 289, 291 and 294). 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. MINI-RANGER fixes were taken from the survey launches 3131 (DA-1) and 3132 (DA-2) on 14 September and 2 October (JD 258, 276), respectively. Correctors for the MINI-RANGER's were determined from baseline calibrations. See the Electronic Control Note for OPR-448-DA-76 for details. Field calibration checks were made by comparison of MINI-RANGER readings with three three-point visual fixes to triangulation stations.

All original data was recorded on the Field Print at the time of investigation by the field editor. All times are referenced to Greenwich Mean Time.

Detached positions have been recorded and processed with hydrographic data for H-9652 and H-9653 (OPR-448), and are indexed on the MYLAR Field Edit Sheet. Newly established horizontal control stations were plotted.

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

Tide gages were installed at Greys Island and Vank Island, and should provide the controlling tide data for this sheet. A temporary gage was also installed on Mitkof Island at 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 for the southwest shore of Rynda Island and a few other cases as indicated in green on the Field Edit Sheet. When hydrography was run to the shoreline, which consisted primarily of steep rock outcroppings, using MINI-RANGER control, it agreed well with the compiled high water line, except as noted above.

Fixes and check fixes taken on the western shore of Rynda Island indicate that the shoreline as drawn extends too far to the west. Triangulation station ANNEKE 1976, which is awash at high water, appears inland of the high water line as presently delineated. Photograph 72E3947 was not supplied with the preliminary data, and thus could not be used to correct the shoreline. Apparently there is a shadow or distortion problem on the photograph in this area. Using this photograph, the shoreline should be correctly delineated using the fixes as a guide.

## 54 RECOMMENDATIONS

This manuscript should be considered complete with additions compiled by this field edit and the aforementioned corrections to the southwestern shoreline of Rynda Island. The compiler should refer to photograph 72E3947 to make corrections to the high water line of the questioned shoreline of Rynda Island.

Although no low water photography was available for the compilation of this manuscript, some attempt to depict features seaward of the high water line and to classify some of the foreshore areas would have helped the field editor. Much time and effort was spent delineating features that are readily identifiable on the photographs. It is recommended that in the future an attempt be made by the compiler to show such features and ask the field editor to verify the location and/or delineation of the questioned features. It is easier, and operationally more effective, to make small changes to a manuscript rather than delineating the majority of items on the manuscript in the field.

#### 56 MISCELLANEOUS

Photographs 72E3947 and 72E3948 were not supplied to the DAVIDSON. Therefore the field edit for the northern portion of Mitkof Island shoreline appearing on TP-00554 only appears on the 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  
LTJG, NOAA

Approved and Forwarded by:

*Christian Andreasen*  
Christian Andreasen  
CDR, NOAA  
Commanding Officer

REVIEW REPORT  
SHORELINE

TP-00554

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-9650, 1:10,000 scale, dated October 21, 1977

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

H-9652, 1:10,000 scale, dated October 21, 1977

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

A contemporary survey covering the shallow area in the northeast quadrant of this map was not available for comparison at the time of final review.

There were no conflicts.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following NOS charts:

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

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

The larger scale chart was compared where the smaller scale chart did not cover the map area.

The chart compared well with this manuscript.

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66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

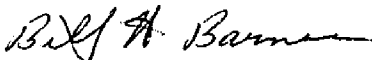
This map complies with the Project Instructions, and meets the requirements for National Standards of Map Accuracy.

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]