

TP-00553

TP-00553

NOAA FORM 76-35 (6-80) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h1>DESCRIPTIVE REPORT</h1>	
Map No. TP-00553	Edition No. 1
Job No. CM-7206	
Map Classification FINAL FIELD EDITED MAP	
Type of Survey SHORELINE	
LOCALITY	
State ALASKA	
General Locality ZAREMBO ISLAND	
Locality BLIND SLOUGH	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 1972 TO 1976 </div>	
REGISTERED IN ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY

- ☒ ORIGINAL
☐ RESURVEY
☐ REVISED

SURVEY TP-00553

MAP EDITION NO. (1)

MAP CLASS Final

JOB ~~NA~~ CM-7206

PHOTOGRAMMETRIC OFFICE

Coastal Mapping Division, Norfolk, VA

OFFICER-IN-CHARGE

Jeffrey G. Carlen

LAST PRECEDING MAP EDITION

TYPE OF SURVEY

- ☐ ORIGINAL
☐ RESURVEY
☐ REVISED

JOB PH- _____

MAP CLASS _____

SURVEY DATES:

19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE

Aerotriangulation Sept. 19, 1972
 Compilation Feb. 22, 1973

2. FIELD

Field Jan. 26, 1972

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

Polyconic

4. GRID(S)

STATE

Alaska

ZONE

1

5. SCALE

1:10,000

STATE

ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION	BY	D. Norman	Feb. 1973
METHOD: Analytic-Block	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	R. Robertson	Feb. 1974
METHOD: Calcomp	CHECKED BY	R. Robertson	Feb. 1974
3. STEREOSCOPIC INSTRUMENT	PLANIMETRY BY	L. Neterer, Jr.	Apr. 1973
COMPILATION	CHECKED BY	R. White	Apr. 1973
INSTRUMENT: Wild B-8	CONTOURS BY	None	
SCALE: 1:15,000	CHECKED BY	None	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	C. Parker	May 1973
	CHECKED BY	R. White	July 1973
METHOD: Smooth drafted and	CONTOURS BY	None	
graphic	CHECKED BY	None	
SCALE: 1:10,000	HYDRO SUPPORT DATA BY	C. Parker	May 1973
	CHECKED BY	R. White	July 1973
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	R. White	July 1973
	BY	J. Roderick	Apr. 1977
6. APPLICATION OF FIELD EDIT DATA	CHECKED BY	J. Byrd	Apr. 1977
	BY	J. Byrd	Apr. 1977
7. COMPILATION SECTION REVIEW	BY	J. Byrd	Apr. 1977
8. FINAL REVIEW	BY	C. Blood	June 1987
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	J. Byrd	July 1988
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	P. Dempsey	Dec. 1988
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-00553

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) 3966-3970	6-23-72	09:20	1:30,000	10.0 ft. above MLLW	
72 E(C) 3943-3945	6-23-72	09:06	1:30,000	6.7 ft. above MLLW	
**72 E(C) 4061-4063	6-23-72	10:35	1:30,000	10.0 ft. above MLLW	

REMARKS

*Compilation photographs.

**Photographs used for graphic compilation.

2. SOURCE OF MEAN HIGH-WATER LINE:

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

3. SOURCE OF MEAN 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
No Survey	TP-00554	TP-00558	TP-00552

REMARKS

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

TP-00553

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ 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 N.A. ESTABLISHED BY N.A. PRE-MARKED OR IDENTIFIED BY N.A.	
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 S. Snyder	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) 3943-3945, 72 E(C) 4063			
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-00553
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	May 1973	Class III Map	June 28, 1974	June 28, 1974
Manuscript redrafted as a result of new bridge data	Mar. 1974	Class III Map		
Field edit applied compilation complete	Apr. 1977	Class I Map	Mar. 24, 1977	Mar. 24, 1977
Final Review	June 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

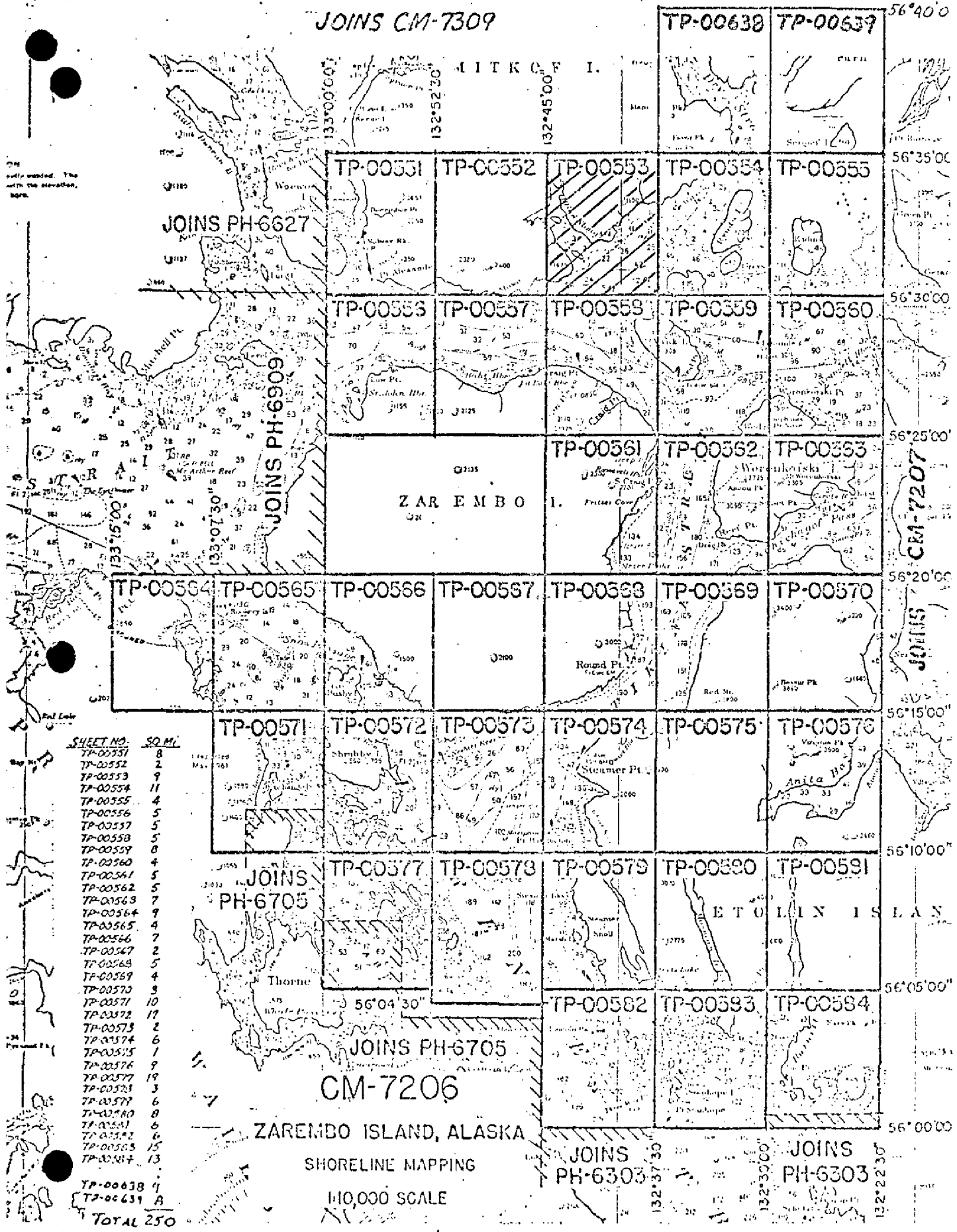
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS. 562 SUBMITTED BY FIELD PARTIES.
 3. ☐ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:

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



SHEET NO.	SQ. 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	9
TP-00577	19
TP-00578	3
TP-00579	6
TP-00580	8
TP-00581	6
TP-00582	6
TP-00583	15
TP-00584	13
TP-00638	4
TP-00639	1
TOTAL	250

REVISED 5/19/72 R.N.W.
REVISED 4/23/73 R.N.W.

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00553

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.

This map was compiled at the Norfolk Office in July 1973 and revised using readjusted aerotriangulation in April 1974.

Field edit was acquired for TP-00553 during the 1976 field season. Field edit was applied at AMC in April 1977.

Final review was accomplished at the Atlantic Marine Center in June 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-00553

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.

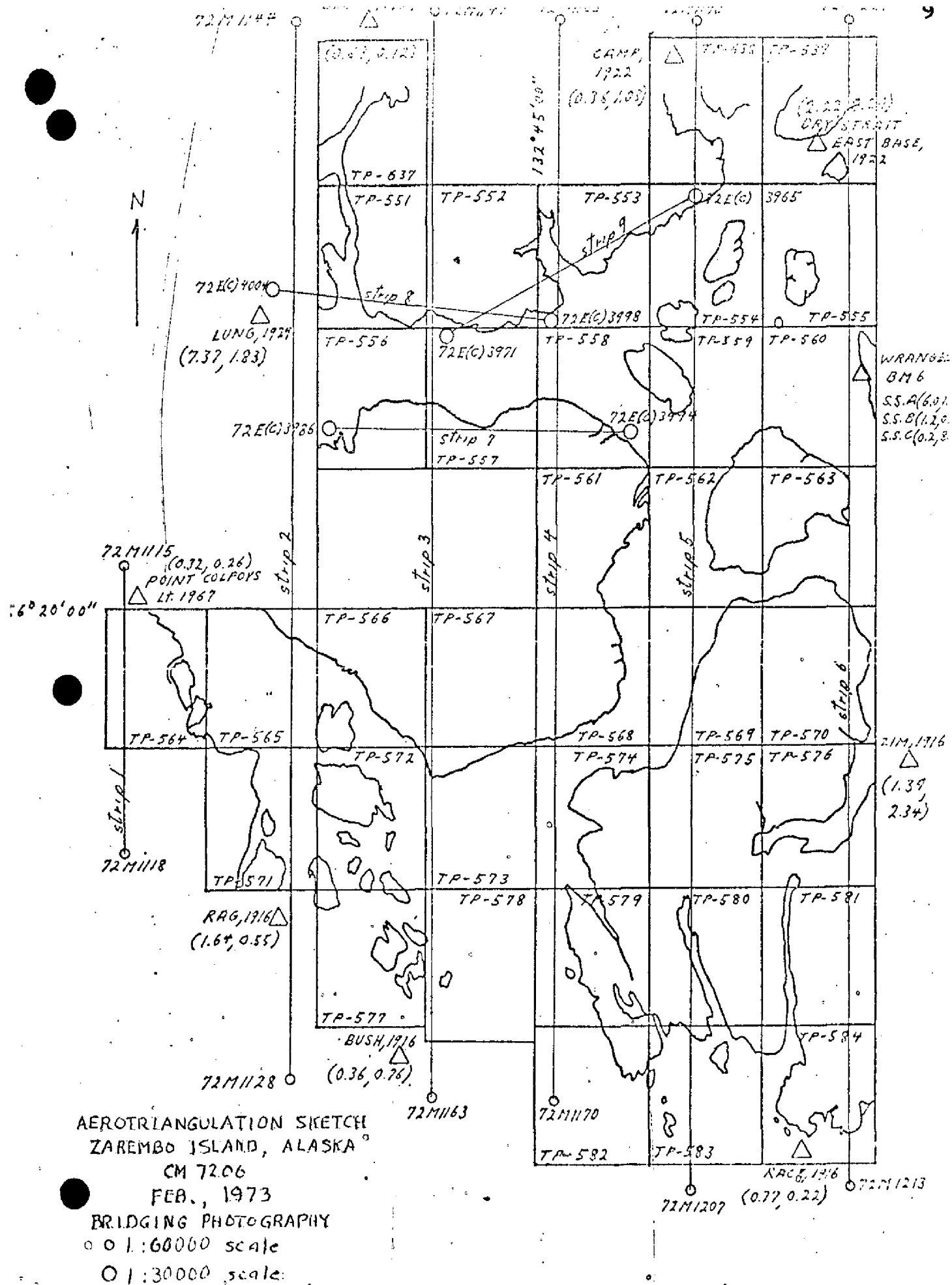
submitted by,

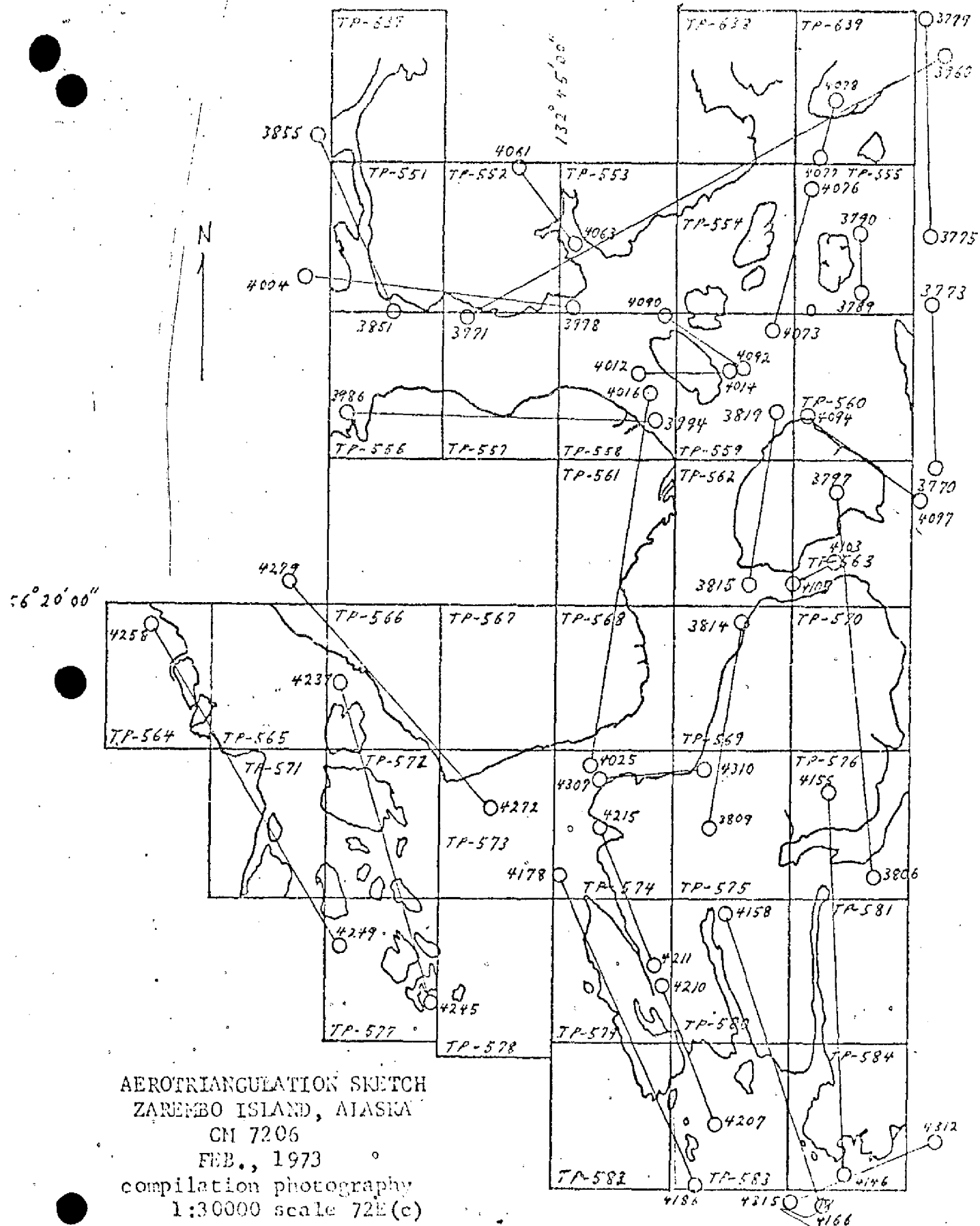
Don O. Norman

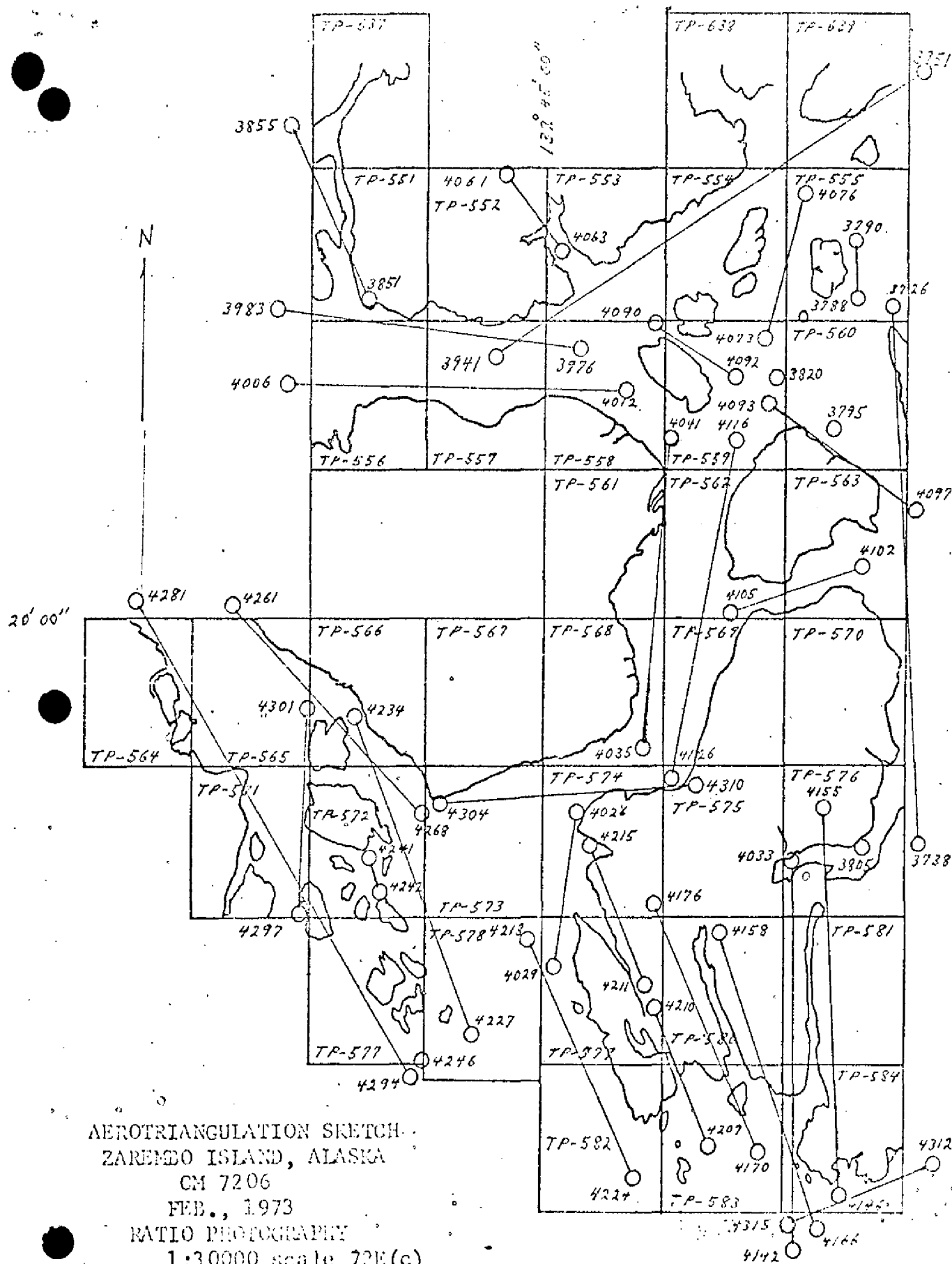
Don O. Norman

Approved by

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







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ADDENDUM
ZARENBO 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.	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETTIC DATUM		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY	REMARKS
				COORDINATES IN FEET STATE Alaska ZONE 1	N.A. 1927	ϕ LATITUDE λ LONGITUDE	Division, AWC, Norfolk, VA		
TP-00553	CM-7206								
		Vol. 1 P. 140	46	X=		ϕ 56° 30' 42.062"			
QUARTZ, 1916				Y=		λ 132° 43' 25.019"			
				X=		ϕ			
				Y=		λ			
				X=		ϕ			
				Y=		λ			
				X=		ϕ			
				Y=		λ			
				X=		ϕ			
				Y=		λ			
				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. Magliotta				DATE 3/19/73	
LISTED BY			DATE	LISTING CHECKED BY				DATE	
HAND PLOTTING BY			DATE	HAND PLOTTING CHECKED BY				DATE	

COMPILATION REPORT

TP-00553

31. DELINEATION:

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

The quality of the photography is adequate for shoreline compilation. The graphic compilation method was used for the head of Blind Slough and nearby detail, north of 56° 34.0' latitude.

32. CONTROL:

Refer to the Photogrammetric Plot Report, dated February 1973 and the Addendum dated January, 1974.

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 photographs. Details which were covered by water 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.

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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 following U.S. Geological Survey quadrangles: PETERSBURG (C-1) Alaska, scale 1:63,360 dated 1951 with minor revisions in 1965; and PETERSBURG (C-3) Alaska, scale 1:63,360 dated 1953 with minor revisions in 1963.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with the U.S. Coast and Geodetic Survey Chart 8160, 1:80,000 scale, 7th edition, dated July 4, 1970.

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
May 17, 1973

Approved and forwarded:

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

GEOGRAPHIC NAMES

FINAL NAME SHEET

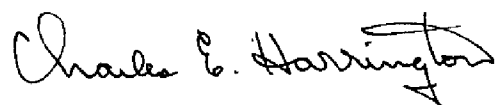
CM-7206 (Clarence and Sumner Straits, Alaska)

TP-00553

Blind Slough

Sumner Strait

Approved:



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

FIELD EDIT REPORT

TP-00553

Sumner Strait, Alaska

OPR-448-DA-76

NOAA Ship DAVIDSON

1976

51 METHODS

Field edit on TP-00553 was accomplished in accordance with project instructions OPR-448-DA-76, Sumner Strait, Alaska, dated 10 June 1976; supplemental instructions dated 23 July 1976; and 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 72E3943, 72E3944, 72E3945 and 72E4063) were taken into the field.

The field edit investigation was performed from 15 October to 19 October 1976. It was conducted by skiff. Detached positions were taken by visual three-point sextant fixes near times of low tide. Check angles were observed whenever possible.

All original data was recorded on the Field Print or in a field volume at the time of investigation. All hydrographic detached position information is included in the hydrographic records for H-9652 (DA-10-5-76). All times are referenced to Greenwich Mean Time.

Detached positions have been recorded and processed with hydrographic data for the project and are indexed on the MYLAR Field Edit Sheet.

Weather observations for the days of field edit were generally as follows: winds: 0-15 knots; sky: partly cloudy; water vertical visibility: 0-5 feet.

Tide gages were installed at Greys Island, Point Howe and Vank Island. A temporary gage was also installed on Mitkof Island (triangulation station BELLA 1976) to monitor tides in Dry Strait.

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

FIELD PHOTOGRAPHS:	Violet - Additions
	Green - Deletions
FIELD EDIT SHEET:	Red - Additions
	Green - Deletions
	Black - Verification, Compiled Items
	Violet - References to photos

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FINAL FIELD SHEET:

Black - Manuscript, no change
Red - Additions52 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 was accurate.

54 RECOMMENDATIONS

This manuscript should be considered complete with corrections compiled from this field edit.

56 MISCELLANEOUS

No "Non-floating Aids or Landmarks for Charts" forms (Form 76-40) are being submitted as there are no fixed or floating aids to navigation within the mapped area.

A note should be included on the chart informing mariners that Blind Slough is used by area logging firms for log storage. Log rafts may or may not be in the charted positions. Also additional log rafts may be in uncharted positions. The use of the area is not recommended as an anchorage without local knowledge.

Submitted by:

*Steven S. Snyder*Steven S. Snyder
ENS, NOAA

Approved and Forwarded by:

*Christian Andreasen*Christian Andreasen
CDR, NOAA
Commanding Officer

REVIEW REPORT
SHORELINE

TP-00553

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-9572, 1:10,000 scale, dated September 26, 1977.

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

There were no conflicts.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with NOS chart:

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

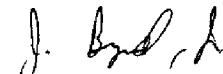
The chart compared well with this manuscript.

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66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

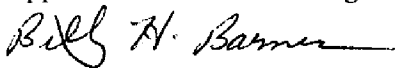
This map complies with the Project Instructions, and meets the requirements for National Standards of Map Accuracy.

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]