

TP-00639

TP-00639

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. TP-00639	Edition No. 1
Job No. CM-7206	
Map Classification FINAL CLASS III MAP	
Type of Survey SHORELINE	
LOCALITY	
State ALASKA	
General Locality ZAREMBO ISLAND	
Locality KING SLOUGH	
1972 TO 19	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		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. 00639 MAP EDITION NO. (1) MAP CLASS Final Class III JOB PH - CM-7206	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, Norfolk, VA OFFICER-IN-CHARGE Jeffrey G. Carlen		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
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 Alaska ZONE 1	
5. SCALE 1:10,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY METHOD: Analytic-Block LANDMARKS AND AIDS BY		D. Norman	Feb. 1973
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY		Allen Allen	May 1973 May 1973
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 SCALE: 1:15,000 CONTOURS BY CHECKED BY		C. Blood, W. Connally R. White, D. Butler N.A. N.A.	6/74, 1/81 6/74, 1/81
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY METHOD: Smooth Draft SCALE: 1:10,000 HYDRO SUPPORT DATA BY CHECKED BY		F. Mauldin, W. Connally C. Blood N.A. N.A. F. Mauldin, W. Connally C. Blood	6/74, 1/81 Mar. 1981
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		C. Blood	Mar. 1981
6. APPLICATION OF FIELD EDIT DATA BY		None	
CHECKED BY		N/A	
7. COMPILATION SECTION REVIEW BY		N/A	
8. FINAL REVIEW BY		C. Blood	Dec. 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-00639

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "E" FL = 152.71mm		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Pacific	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 120th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
72 E(C) 3949-3951	6-23-72	09:06	1:30,000	6.7 ft. above MLLW	
*72 E(C) 3961, 3962	6-23-72	09:20	1:30,000	7.2 ft. above MLLW	
*72 E(C) 4077, 4078	6-23-72	10:45	1:30,000	10.3 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 LOW-WATER LINE~~ MEAN LOWER LOW-WATER LINE:

None delineated, there were no mean lower low-water 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	No Survey	TP-00555	TP-00638

REMARKS

NOAA FORM 76-36D
(3-72)

TP-00639

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

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	Jan. 1981	Class III Map		
Final Review	Dec. 1987	Final Class III Map	Dec. 1988	

II. LANDMARKS AND AIDS TO NAVIGATION None

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: None

3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

- ☐ BRIDGING PHOTOGRAPHS; ☐ DUPLICATE BRIDGING REPORT; ☐ COMPUTER READOUTS.
- ☐ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS. 76-40 SUBMITTED BY FIELD PARTIES.
- ☐ 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
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL

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JOINS PH-6627

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Z A R E M B O

62-7207

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JOINS
PH-6705

JOINS PH-6705

CM-7206

ZAREMBO ISLAND, ALASKA

SHORELINE MAPPING

10,000 SCALE

PH-6303

JOINS
PH-6303

SHEET NO. SQ MI

TP-003551	8
TP-003552	2
TP-003553	9
TP-003554	11
TP-003555	4
TP-003556	5
TP-003557	5
TP-003558	5
TP-003559	8
TP-003560	4
TP-003561	5
TP-003562	5
TP-003563	7
TP-003564	9
TP-003565	4
TP-003566	7
TP-003567	2
TP-003568	5
TP-003569	4
TP-003570	3
TP-003571	10
TP-003572	17
TP-003573	2
TP-003574	6
TP-003575	1
TP-003576	9
TP-003577	19
TP-003578	3
TP-003579	6
TP-003580	8
TP-003581	6
TP-003582	6
TP-003583	15
TP-003584	13

TP-00138 4
TP-00639 8
TOTAL 250

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

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00639

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 March 1981.

Field edit was not acquired for TP-00639.

Final review was accomplished at the Atlantic Marine Center in December 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-00639

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.

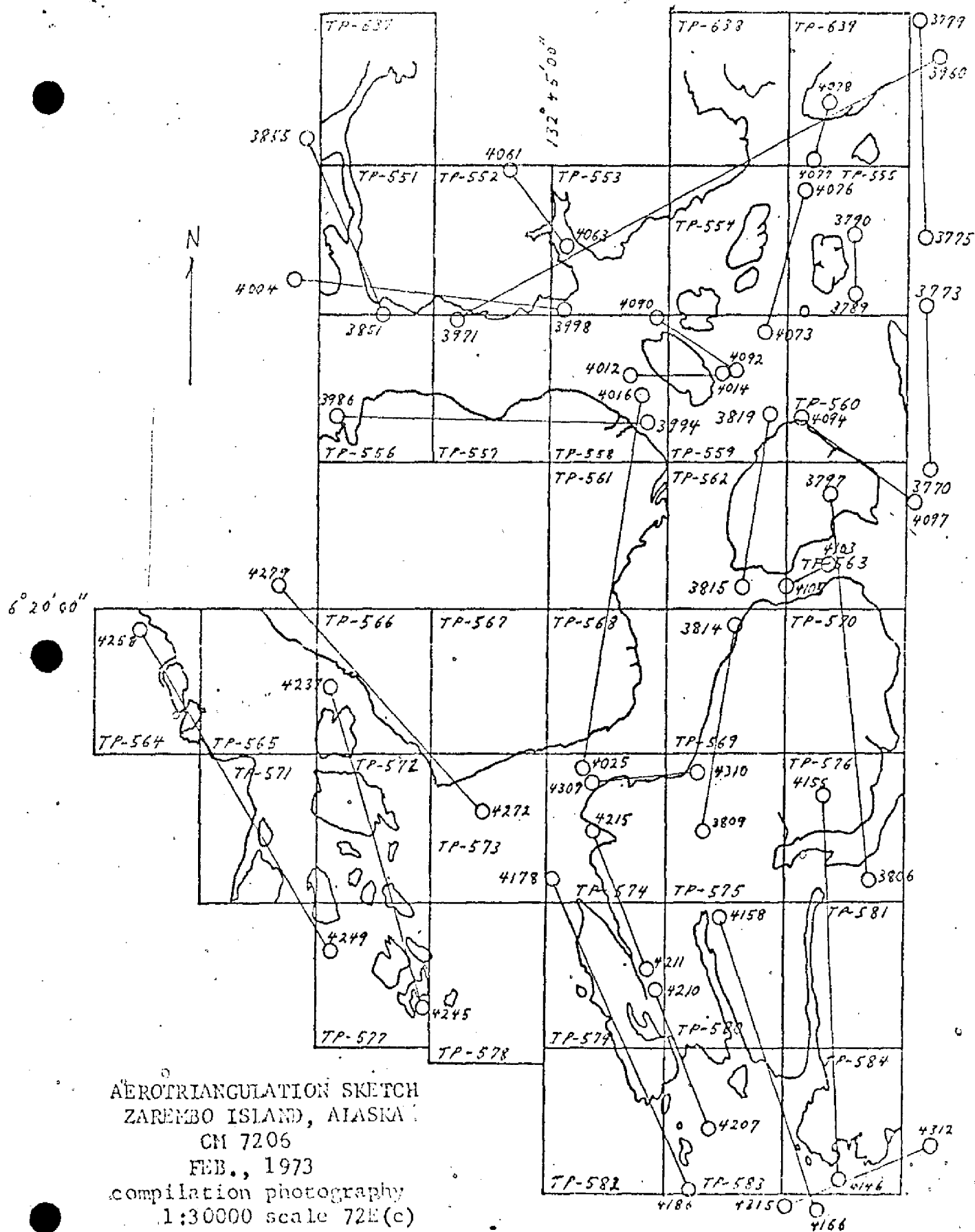
submitted by,

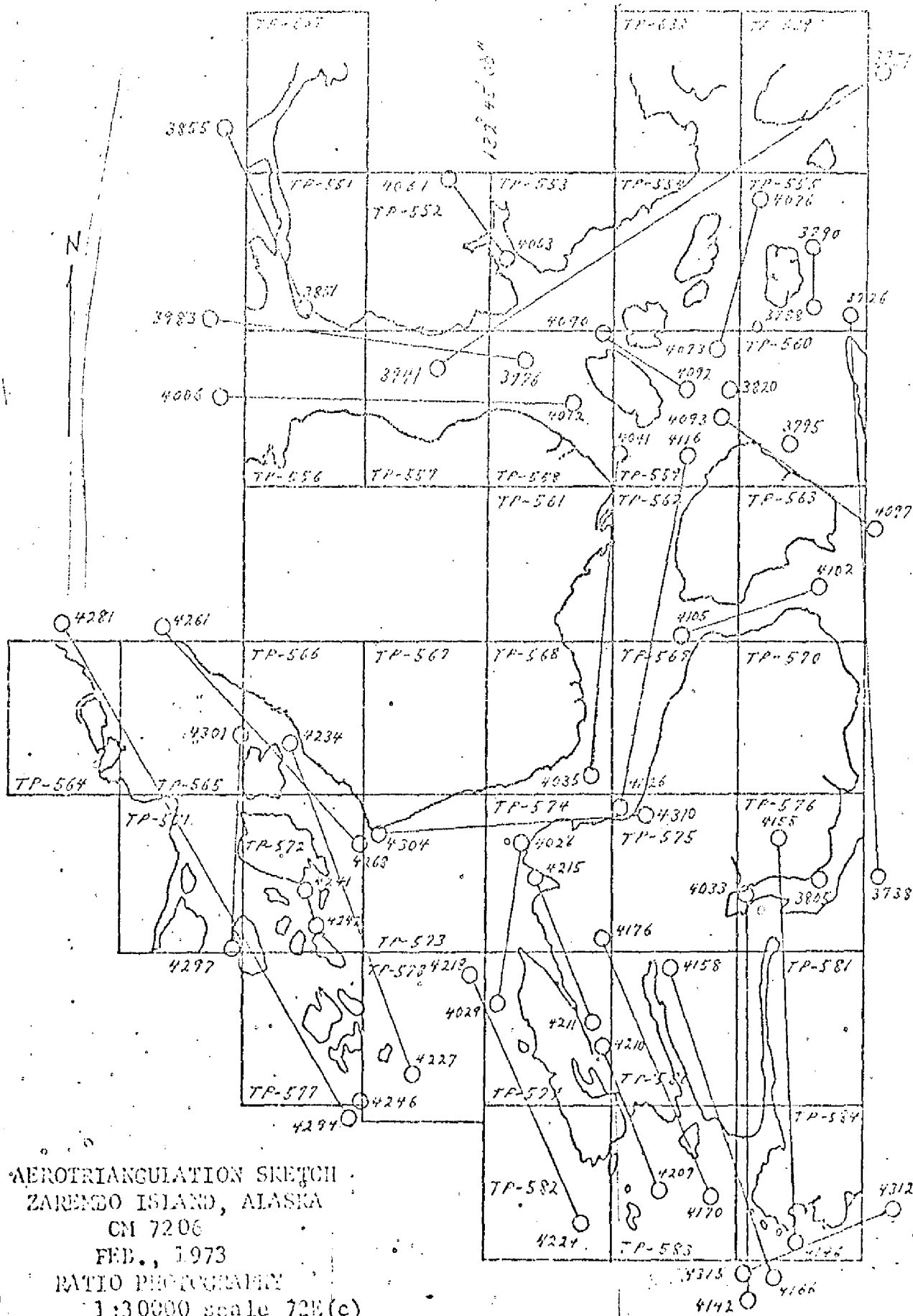
Don O. Norman

Don O. Norman

Approved by

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





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.

NOAA FORM 76-41 (6-75)				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION			
DESCRIPTIVE REPORT CONTROL RECORD				GEODETTIC DATUM		ORIGINATING ACTIVITY	
MAP NO.	JOB NO.	CM-7206	STATION NAME	COORDINATES IN FEET STATE Alaska ZONE 1	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE		Coastal Mapping Division, AMC, Norfolk, VA
TP-00639	Vol. 3 P. 989	228100	DRY STRAIT, EAST BASE, 1922	X=	ϕ 56° 36' 47.203"		
				Y=	λ 132° 24' 54.316"		
	Vol. 3 P. 989	62	FARM, 1922	X=	ϕ 56° 38' 17.538"		
				Y=	λ 132° 25' 08.670"		
				X=	ϕ		
				Y=	λ		
				X=	ϕ		
				Y=	λ		
				X=	ϕ		
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				X=	ϕ		
				Y=	λ		
COMPUTED BY A. C. Rauck, Jr.	DATE 3/19/73	COMPUTATION CHECKED BY F. Margiotta	DATE 3/21/73				
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-00639

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 photography 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 photographs.

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.

38. CONTROL FOR FUTURE SURVEY:

None.

TP-00639

39. JUNCTIONS:

Refer to the Data Record Form 76-36B, item 5 of the Descriptive Report concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY:

No Statement.

46. COMPARISON WITH EXISTING MAPS:

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

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with the U.S. Coast and Geodetic Survey chart 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:

Fay T. Mauldin

Fay T. Mauldin
Cartographer
January 30, 1981

and

Willie P. Connally

W. Connally
Cartographic Technician
January 30, 1981

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-00639

Binkleys Slough

Dry Island

Farm Island

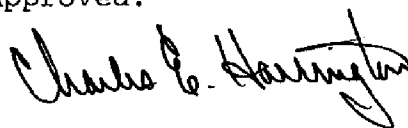
King Slough

Koknuk Flats

Sergief Island

Stikine River

Approved:



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

REVIEW REPORT
SHORELINE

TP-00639

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 Hydrographic Survey for the area of this map was not available for comparison at the time of Final Review.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with NOS chart 17360, 1:217,000 scale, dated November 14, 1981.

The chart compared well with this manuscript.

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:

J. Byrd, Jr.
James L. Byrd, Jr.
Final Reviewer

Approved for forwarding:

Billy H. Barnes
Billy H. Barnes
Chief, Quality Assurance Group, AMC

Approved:

Chief, Photogrammetric Productions Sec. Chief, Photogrammetry Branch

A. Y. Bryson

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]