

TP-00559

TP-00559

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. TP-00559	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 MUD BAY (VANK ISLAND)	
1972 TO 1976	
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. <u>00559</u> MAP EDITION NO. (1) MAP CLASS Final JOB <u>RM-CM-7206</u>	
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	
1. AEROTRIANGULATION BY METHOD: Analytic-Block LANDMARKS AND AIDS BY		D. Norman Feb. 1973	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Calcomp CHECKED BY		Allen May 1973 Allen May 1973	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 SCALE: 1:15,000 CONTOURS BY CHECKED BY		L. Neterer, Jr. July 1973 R. White Aug. 1973 N.A. N.A.	
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY METHOD: Smooth Draft SCALE: 1:10,000 HYDRO SUPPORT DATA BY CHECKED BY		H. Bazell Apr. 1974 F. Marqiotta June 1974 None None H. Bazell Apr. 1974 F. Marqiotta June 1974	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		F. Marqiotta June 1974	
6. APPLICATION OF FIELD EDIT DATA BY		J. Roderick Apr. 1977	
7. COMPILATION SECTION REVIEW BY		J. Minton May 1977	
8. FINAL REVIEW BY		C. Blood Aug. 1987	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		J. Byrd July 1988	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		P. Damprey 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-00559

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	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 120th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
*72 E(C) 4090-4092	6-23-72	11:05	1:30,000	10.9 ft. above MLLW	
72 E(C) 4066, 4067	6-23-72	10:35	1:30,000	10.0 ft. above MLLW	
72 E(C) 4073	6-23-72	10:45	1:30,000	10.3 ft. above MLLW	
72 E(C) 4116, 4117	6-23-72	11:34	1:30,000	11.3 ft. above MLLW	
*72 E(C) 3818, 3819	6-23-72	12:09	1:30,000	10.8 ft. above MLLW	
*72 E(C) 4012-4014	6-23-72	09:57	1:30,000	08.7 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:

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-00554	TP-00560	TP-00562	TP-00558

REMARKS

TP-00559

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	
	PRE-MARKED OR IDENTIFIED BY	
3. VERTICAL CONTROL	RECOVERED BY None	
	ESTABLISHED BY	
	PRE-MARKED OR IDENTIFIED BY	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY M. Wencker	Oct. 1976
	LOCATED (Field Methods) BY M. Wencker	Oct. 1976
	IDENTIFIED BY M. Wencker	Oct. 1976
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. Wencker	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) 4091-4092, 72 E(C) 4067, 72 E(C) 4073, 72 E(C) 4116

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
72 E(C) 4091	VANK ISLAND LIGHT		
72 E(C) 4092	FIVE MILE ISLAND LIGHT		

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. 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-00559

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	Apr. 1974	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	Aug. 1987	Class I Map	Dec. 1987	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		July 1, 1977	2 aids to be charted

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: July 1, 19773. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

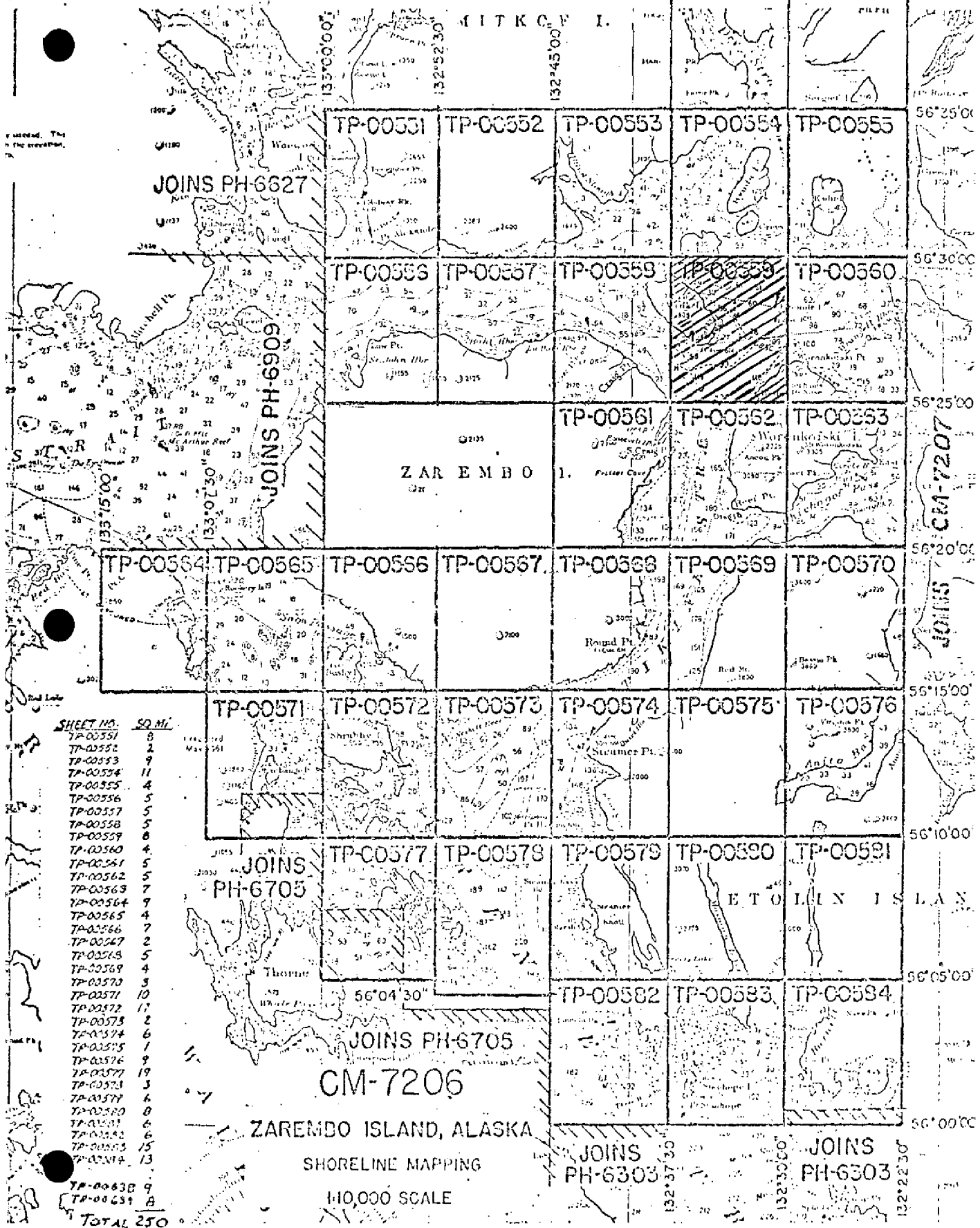
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS ~~562~~⁷⁶⁻⁴¹ SUBMITTED BY FIELD PARTIES.
 3. ☐ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:

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-00531	8
TP-00532	2
TP-00533	9
TP-00534	11
TP-00535	4
TP-00536	5
TP-00537	5
TP-00538	5
TP-00539	8
TP-00540	4
TP-00541	5
TP-00542	5
TP-00543	7
TP-00544	7
TP-00545	4
TP-00546	7
TP-00547	2
TP-00548	5
TP-00549	4
TP-00550	3
TP-00551	10
TP-00552	17
TP-00553	2
TP-00554	6
TP-00555	1
TP-00556	9
TP-00557	19
TP-00558	3
TP-00559	4
TP-00560	8
TP-00561	6
TP-00562	6
TP-00563	15
TP-00564	13
TP-00638	9
TP-00639	8
TOTAL	250

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

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00559

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 June 1974.

Field edit was acquired for TP-00559 during the 1976 field season. Field edit was applied at AMC in May 1977.

Final review was accomplished at the Atlantic Marine Center in August 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-00559

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.

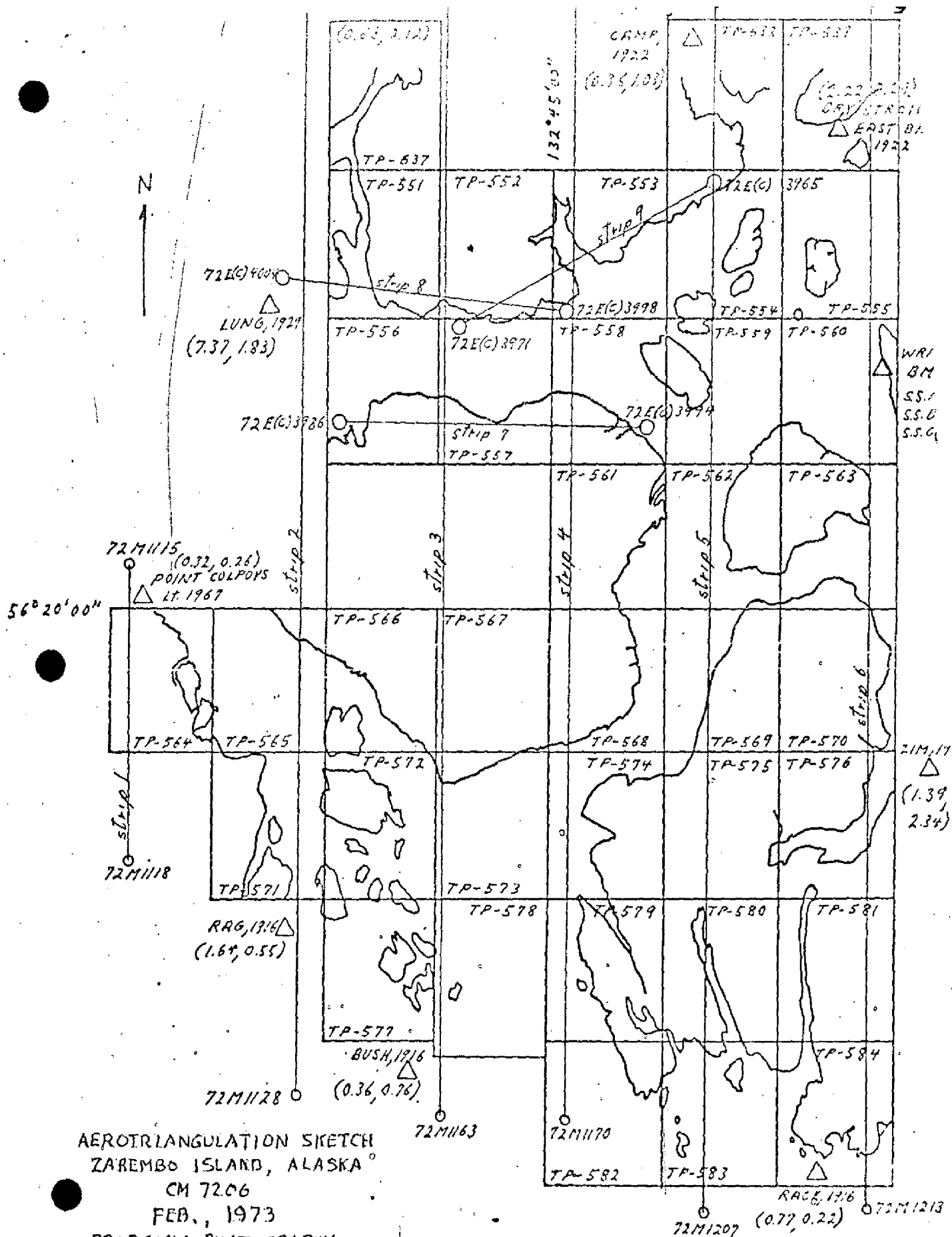
submitted by,

Don O. Norman

Don O. Norman

Approved by

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



AEROTRIANGULATION SKETCH
ZAREMBO ISLAND, ALASKA

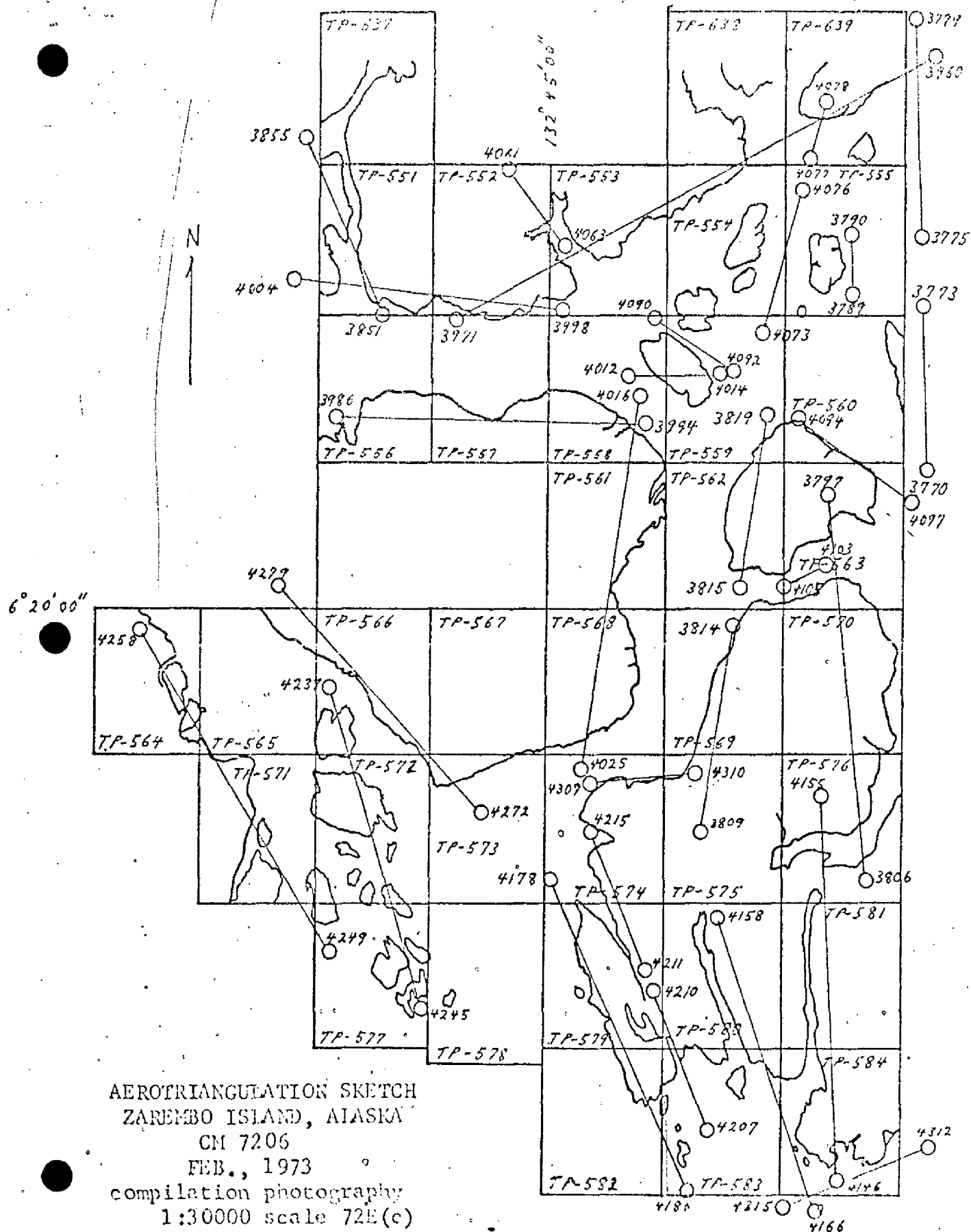
CM 7206

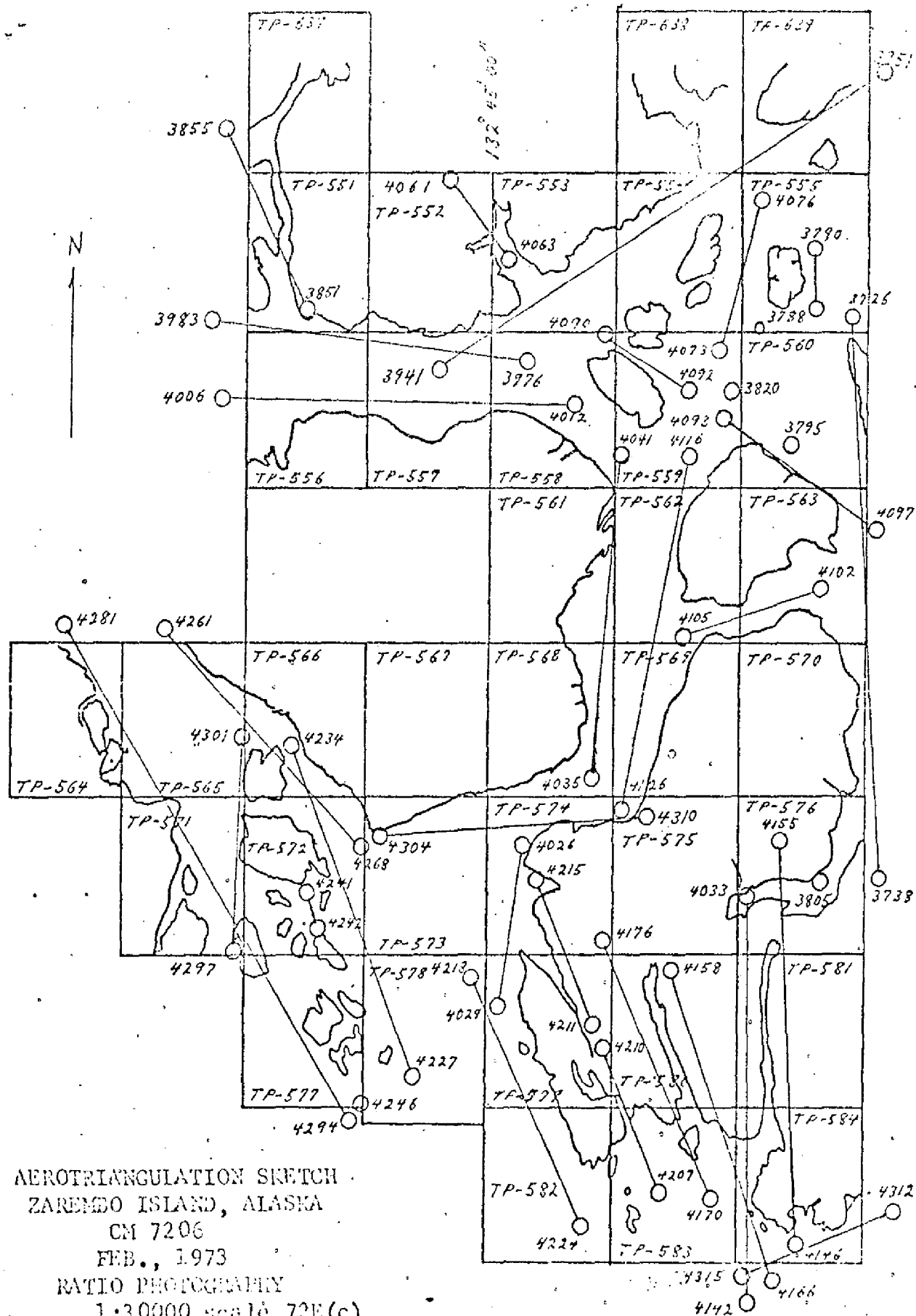
FEB., 1973

BRIDGING PHOTOGRAPHY

001:60000 scale

01:30000 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.

COMPILATION REPORT

TP-00559

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 and coverage of the photography is adequate for shoreline compilation. Five mile Island was graphically delineated, see Photogrammetric Plot Report.

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, see the February 1973 Photogrammetric Plot Report.

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:

Form 76-40 concerning these items were submitted to the field for verification.

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 has been made with U.S. Geological Survey quadrangle PETERSBURG (B-2) Alaska, 1:63,360 scale, dated 1948.

47. COMPARISON WITH NAUTICAL CHARTS:

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

Chart 8160, 1:80,000 scale, dated July 4, 1970 and
Chart 8165, 1:20,000 scale, dated August 5, 1972.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Charles E. Blood
for

Heidi Bazell
Cartographic Aid
April 3, 1974

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-00559

Fivemile Island

Mud Bay

Neal Point

Sokolof Island

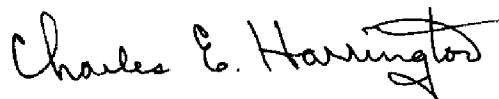
Stikine Strait

Vank Island

Wedge Point

Woronkofski Island

Approved:



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

FIELD EDIT REPORT

TP-00559

Sumner Strait, Alaska

OPR-448-DA-76

NOAA Ship DAVIDSON

1976

51 METHODS

Field edit on manuscript TP-00559 was accomplished in accordance with Project Instructions OPR-448-DA-76, Sumner Strait, Alaska, dated 10 June 1976. PMC OPORDER procedures for field edit assigned with hydrographic operations were used.

Shoreline investigation was performed from a skiff near times of low tide on 29 September, 5 October, 7 October and 19 October (JD 273, 279, 281, 293) 1976. Weather was generally overcast and calm, except 29 September when it was raining and there was a 1 foot chop along the eastern side of Vank Island. Vertical water visibility was 3-5 feet along Woronkofski Island and Fivemile Island but was drastically reduced (less than 1 foot) by suspended silt in the vicinity of Vank and Sokolof Islands.

The Field Print, to which questions from the Discrepancy Print had been transferred, was used to record elevations, soundings, question answers and other descriptive information while in the field. Notes relating to photogrammetrically identifiable objects were transferred in violet ink to the following field photographs (matte ratio photographs 72E4067, 72E4092, 72E4091, 72E4073 and 72E4116). Data from the Field Print and field photographs was applied to the Field Edit Sheet, using red ink for additions, green ink for deletions, and violet ink for photo-indexing. Positions of all existing navigational aids were verified and newly established horizontal control stations were plotted on the Field Edit Sheet.

Detached positions have been recorded and processed with hydrographic data for surveys H-9650 and H-9651, and they are indexed on the Field Edit Sheet. Elevations and depths are referenced to Greenwich Mean Time. During field edit tide gages were operating at Point Howe, Vank Island, Greys Island and Dry Strait. See Field Tide Note OPR-448-DA-76. Details are shown on the Final Field Sheet in black, for no change from the manuscript, or red, for additions.

52 ADEQUACY OF COMPILATION

The mean high water line was generally complete and adequate as compiled. However, compilation of fore-

shore features was inadequate on the Class III manuscripts received. Much field edit time was spent compiling photogrammetrically identifiable features which could have been previously compiled on the Class III manuscript.

With this field edit applied the map compilation is complete and adequate for charting.

53 ACCURACY

The mean high water line as depicted on the manuscript was accurate except for the small cove on the north shore of Fivemile Island.

54 RECOMMENDATIONS

Although the photographs were taken at 10-11 feet of tide, many foreshore features were readily visible. All such features should have been compiled on the Class III manuscripts to be field edited. The field editor could then have more effectively accomplished verification and revision of the manuscript.

56 MISCELLANEOUS

Form 76-40 "Nonfloating Aids or Landmarks for Charts" is attached to this report. No preliminary Form 76-40's were furnished. There were no objects of landmark value found in the mapped area. Navigational aids were located by Third-order traverse and intersection methods. See Horizontal Control Note OPR-448-DA-76. Fivemile Island Light was not charted correctly on the current Chart No. 17384, 2nd Ed. June 26, 1976. The position has been corrected on manuscript TP-00559.

The submerged rock charted on Chart No. 17384 at 56° 29' 54.6"N/132° 36' 46.2"W was relocated hydrographically to the position 56° 29' 54.0"N/132° 36' 43.6"W. See survey H-9650, D.P.-7501.

Submerged rocks charted at 56° 27' 19.8"N/132° 34' 34.8"W and 56° 27' 36.6"N/132° 34' 26.4"W proved to be ledges connected to shore.

Submitted by:

M. Christine Wencker
M. Christine Wencker
LTJG, NOAA

Approved and Forwarded by:

Christian Andreasen
Christian Andreasen
CDR, NOAA
Commanding Officer

REVIEW REPORT
SHORELINE

TP-00559

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.

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.

The charts compared well with this manuscript.

TP-00559

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

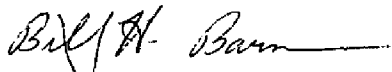
This map complies with the Project Instructions, and meets the requirements for National Standards of Map Accuracy.

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]