

TP-00906 E

TP-00906 E

NOAA FORM 76-35 (3-76)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h2 style="text-align: center;">DESCRIPTIVE REPORT</h2>	
This map edition will not be field checked	
Map No. TP-00906 East	Edition No. I
Job No. CM-7709	
Map Classification III	
Type of Survey Shoreline	
<h3 style="text-align: center;">LOCALITY</h3>	
State ALASKA	
General Locality Kodiak Island-Cape Alitak to Cape Kuliuk	
Locality Larsen Bay Entrance	
<div style="border: 1px solid black; padding: 5px; text-align: center;"> 1977 TO 19 </div>	
<h3 style="text-align: center;">REGISTRY IN ARCHIVES</h3>	
DATE	

MAP NOT INSPECTED BY
QUALITY CONTROL OF PHOTOGRAMMETRY BRANCH
PRIOR TO REGISTRATION

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY TF. <u>00906E</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III</u> JOB CM <u>RM-7709</u>	
DESCRIPTIVE REPORT - DATA RECORD PHOTOGRAMMETRIC OFFICE Pacific Marine Center Seattle, Washington OFFICER-IN-CHARGE Ned C. Austin, CDR				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			
Photography May 10, 1977				Field May 3, 1977			
Office August 6, 1982				Field (Change 1) March 3, 1981			
				Field (Change 2) July 21, 1981			
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 Transverse Mercator				4. GRID(S)			
				STATE Alaska		ZONE 5	
5. SCALE 1:10,000				STATE		ZONE	
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY				B. Thornton		Jan. 1981	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Coradomat</u> CHECKED BY				B. Thornton		Jan. 1981	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY				D. Butler		Sept. 1982	
INSTRUMENT: <u>Wild B-8</u> CONTOURS BY				J. Minton		Sept. 1982	
SCALE: <u>1:10,000</u> CHECKED BY				N.A.		--	
4. MANUSCRIPT DELINEATION PLANIMETRY BY				D. Butler		Sept. 1982	
METHOD: <u>Smooth drafted</u> CHECKED BY				J. Minton		Sept. 1982	
SCALE: <u>1:10,000</u> HYDRO SUPPORT DATA BY				N.A.		--	
CHECKED BY				N.A.		--	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				None			
6. APPLICATION OF FIELD EDIT DATA BY				None			
CHECKED BY							
7. COMPILATION SECTION REVIEW BY				J. Minton		Sept. 1982	
8. FINAL REVIEW BY				E. D. Allen		June 1984	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY							
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY				E. D. Allen		June 1984	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				E & DAUGHERTY		NOV 1984	

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00906 E
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild R.C.8"E" (152.71 focal length)		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		(C) COLOR (P) PANCHROMATIC R <input checked="" type="checkbox"/> INFRARED B & W		ZONE Alaska MERIDIAN 150th <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
77E(P) 1519-1520'	June 28, '77	1138	1:30,000	11.9 ft. above MLLW	
77E(P) 1972-1974'	July 17, '77	0930	1:30,000	0.5 ft. above MLLW	

REMARKS The subordinate tide gage used to predict the stage of tide of the photography was Larsen Bay. Mean high water is at 12.8 ft. above MLLW.

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from the above listed 1977 photography.

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

Due to the stage of tide of the photography, no mean lower low water line was compiled.

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-00908 (1:20,000) ^W	TP-00908E(1:20,000)	TP-00910 (1:20,000)	TP-00906W (1:10,000)

REMARKS

This manuscript is an inset within the limits of TP-00908.

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00906 E
HISTORY OF FIELD OPERATIONS.I. ☒ FIELD ~~CONTROL~~ OPERATION☐ FIELD EDIT OPERATION.

OPERATION	NAME-	DATE
1. CHIEF OF FIELD PARTY	R. Melby	June 1977
2. HORIZONTAL CONTROL	RECOVERED BY R. Melby	June 1977
	ESTABLISHED BY None	--
	PRE-MARKED OR IDENTIFIED BY L. Riggers	June 1977
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 BY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY None	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

Premark

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
77C 4598	ENTRANCE, 1908		

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: ☐ 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)

1 Form 76-53 (CSI for station ENTRANCE, 1908 which was panelled direct)

NOAA FORM 76-36D
(3-72)

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

TP-00906 E
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete.	Sept. 24, 1982	Class III manuscript		
Final Reviewed Map	June 26, 1984	Class III Map	OCT 24 1984	

II. LANDMARKS AND AIDS TO NAVIGATION**1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH**

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		OCT 24 1984	1 landmark for charting.

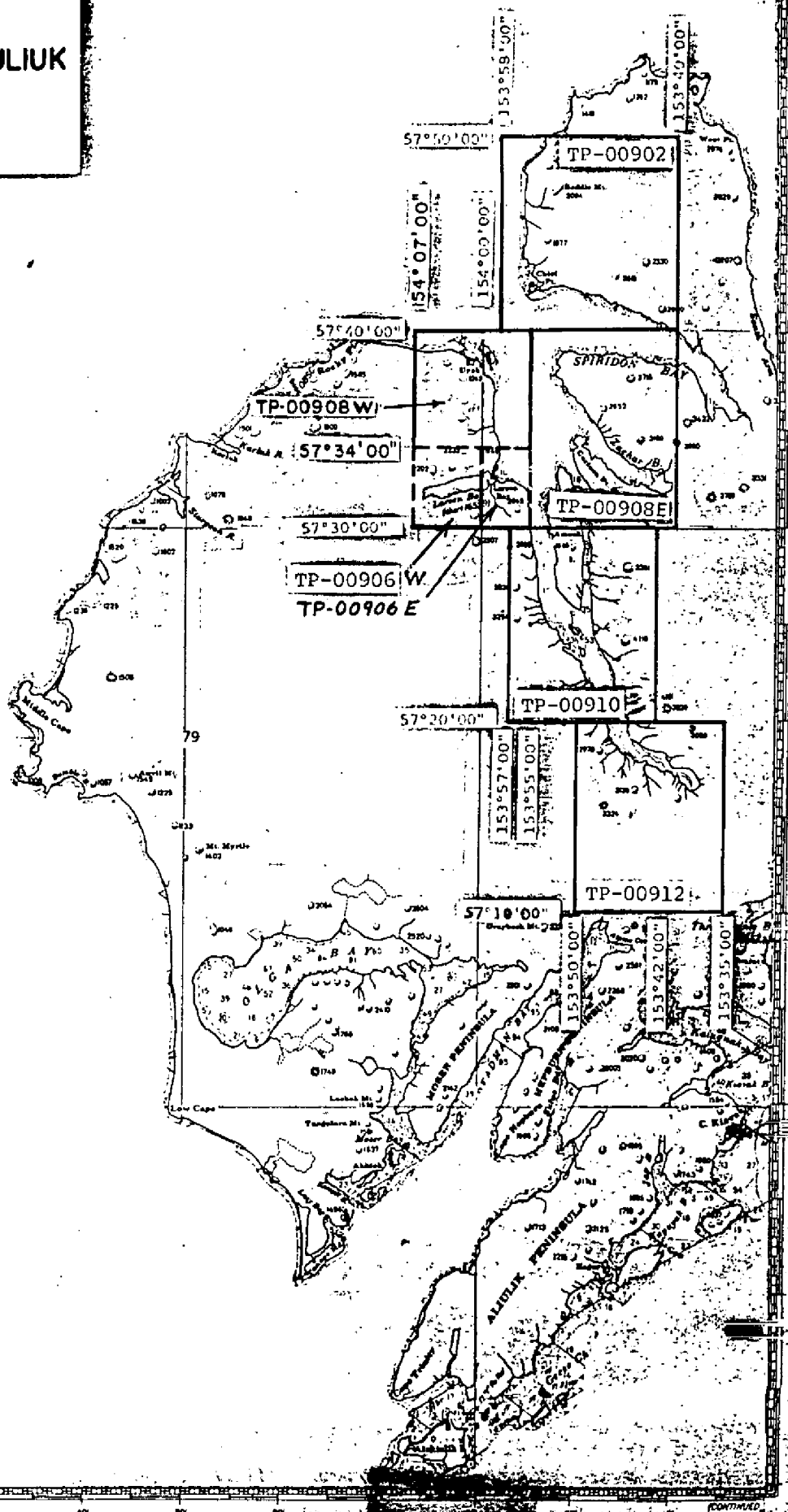
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☐ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS. ~~76~~ 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	
	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	



REVISED 10-10-83 WDB
REVISED 7-12-82 EPQ
REVISED 4-17-81 R.W.

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT
TP-00906E

This 1:10,000-scale shoreline map is one of seven maps in project CM-7709. The area covered is in Kodiak Island, Alaska.

Field operations consisted of aerial photography and the recovery, establishment, and identification (premarking) of horizontal control necessary for aerotriangulation. Ten horizontal control stations were established and paneled. There was no field inspection performed.

Panchromatic photographs were taken at scales of 1:30,000 and 1:50,000 in June 1977, infrared photographs at 1:50,000 scale in July 1977. The 1:50,000-scale photographs were taken with the Wild RC-10(C) camera and the 1:30,000-scale photographs with the RC-8(E).

Four strips of panchromatic photographs were bridged using analytic aerotriangulation methods, three strips 1:50,000 scale, one strip 1:30,000. Geodetic control used was premarked (paneled). Tie points between strips were located and used as additional control to ensure adequacy and meets the requirements of National Standards of Map Accuracy.

Tidal stages concurrent with photography were determined based on predicted tides at Seldovia, Alaska, with subordinate stations at Uyak Bay, Larsen Bay, and Mining Camp.

Compilation was performed by Photogrammetric Unit, Pacific Marine Center, Seattle, Washington. The map delineation was based on office interpretation of 1:30,000-scale panchromatic photographs.

Final Review was performed by the Rockville Office. This map was found to be satisfactory and meets the requirements of National Standards of Map Accuracy.

FIELD INSPECTION

TP-00906 E

CM-7709

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

Photogrammetric Plot Report

Kodiak Island, Alaska

CM-7709

January 1981

21. Area Covered

The area covered by this project extends from Twocone Pt. on Shelikof Strait down to the southern end of Uynk Bay, Alaska. This segment of the project area is covered by four 1:20,000 scale sheets: TP-00902, TP-00908, TP-00910, TP-00912, and three 1:10,000 scale sheets TP-00906 East, TP-00906 West, and TP-00907.

This job and report reflects only part of the entire project area of CM-7709.

22. Method

Three strips of 1:50,000 scale photography and one strip of 1:30,000 scale photography were bridged by analytic aerotriangulation methods. The strips of bridging photography were controlled by field identified control and in the case of the 1:30,000 scale bridging strip, additional tie points were used for control to ensure an adequate adjustment and junction of all the strips. Compilation points were established and ratio points determined for the MHW, MLLW, and the hydro support photography and ordered by this office.

The manuscripts were plotted by the Coradi plotter using the Alaska State Plane coordinate system in Zone 5.

23. Adequacy of Control

One of the bridging strips (Strip 2) caused difficulty in adjusting. This office was unable to determine the cause of the problem, but the control checked within National Standards of Map Accuracy and is sufficient for its intended use. All other control checked within these standards.

24. Supplemental Data

USGS quadrangles were used to provide vertical control for the strip adjustments.

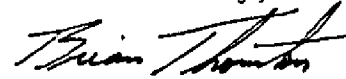
25. Photography

The coverage, overlap, and quality of the photography were adequate for the job.

26. Change in Project Diagram

Sheet TP-00906 was changed into two sheets, TP-00906 East and TP-00906 West. This change was necessary because the oversized sheet exceeded the 430 plot programs projection limitations for that scale sheet.

Submitted by,

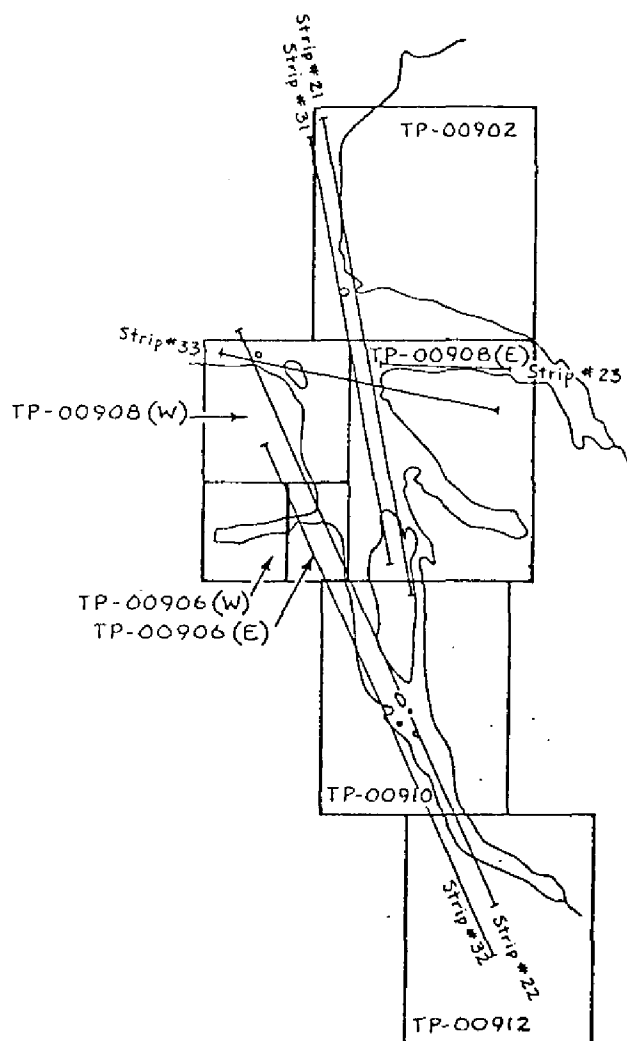


Brian Thornton

Approved and Forwarded:

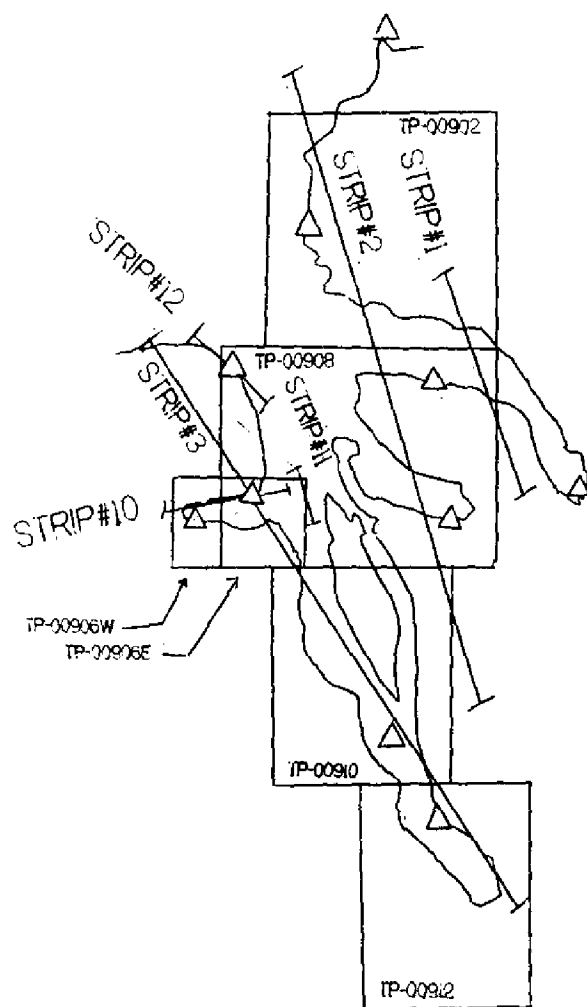


Don O. Norman
Chief, Aerotriangulation Section



PREDICTED TIDE PHOTOGRAPHY

STRIPS#31,32,&33 MHW
STRIPS#21,22,&23 MLLW

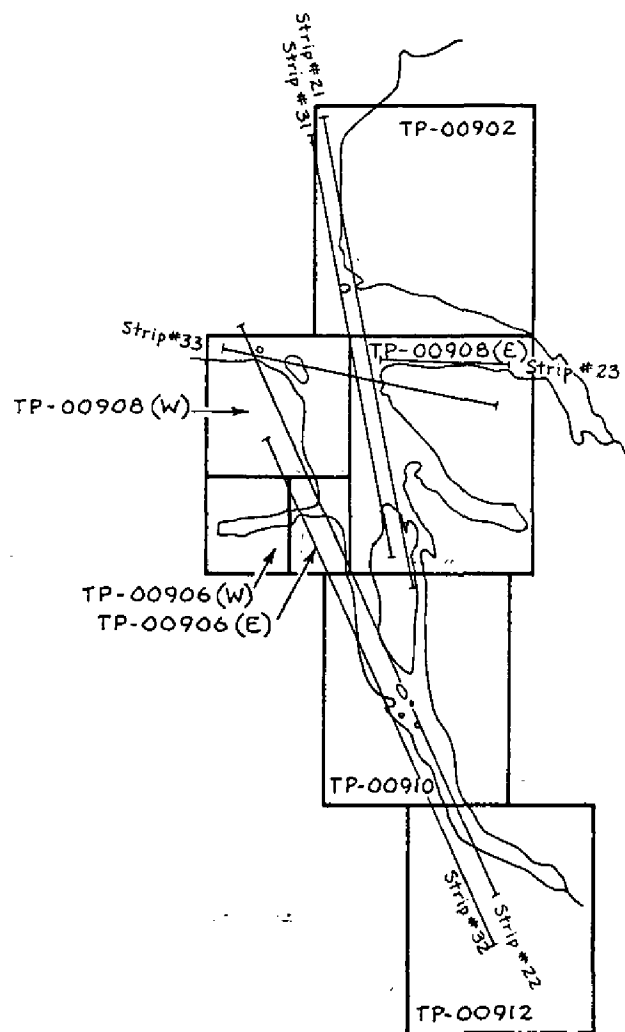


BRIDGING PHOTOGRAPHY

STRIPS 1,2.&3
1:50,000

STRIPS 10,11.&12
1:30,000

NOTE: STRIPS 11.&12 WERE NOT BRIDGED. THIS PHOTOGRAPHY WAS CONTROLLED BY TRANSFERRING IMAGE POINTS FROM THE 1:50,000 SCALE BRIDGED PHOTOGRAPHS



INFRARED TIDE COORDINATED PHOTOGRAPHY
STRIPS#31,32,&33 MHW
STRIPS#21,22,&23 MLLW

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETIC DATUM		ORIGINATING ACTIVITY			
					COORDINATES IN FEET STATE <u>Alaska</u> ZONE <u>5</u>	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE	PHOTOGRAMMETRIC BRANCH, P.M.C.	REMARKS		
TP-00906 East	CM-7709	ENTRANCE, 1908	571534	598100	X=	503,083.72	ϕ	57°32'47.315"		
					Y=	1,295,344.09	λ	153°59'03.487"		
					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										
LISTED BY	D. Butler									
HAND PLOTTING BY										
COMPUTATION CHECKED BY										
DATE										
DATE	Sept. 1982									
DATE	Sept. 24, 1982									

COMPILATION REPORT

TP-00906 E
CM-770931 - DELINEATION

Delineation was by instrument method using the Wild B-8 stereoplotter and 1:30,000 scale black and white panchromatic photographs. The photographs were of good quality; however, glare on the water from the sun inhibited the identification of some charted piling in the small bays to the east and west of the cannery at Larsen Bay. Coverage of the photographs was adequate for compilation.

32 - CONTROL

The placement, density and adequacy of aerotriangulated control that was provided as control for the stereo-models was adequate. Refer to Photogrammetric Plot Report dated January 1981.

33 - SUPPLEMENTAL DATA

None.

34 - CONTOURS AND DRAINAGE

Contours are not applicable to the project.

Drainage was delineated by the Wild B-8 stereoplotter and office interpretation of the 1:30,000 scale photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

The mean high water line and all of the alongshore details were delineated from the Wild B-8 stereoplotter and office interpretation of the 1:30,000 scale photographs.

36 - OFFSHORE DETAILS

Several charted piling in the small bays to the east and west of the cannery at Larsen Bay were not visible due to glare on the water from the sun. Refer to the Chart Comparison Print.

TP-00906 E
CM-7709

37 - LANDMARKS AND AIDS

There were two charted landmarks and no charted nonfloating aids within the mapping limits of this manuscript. The STACK was located photogrammetrically, but the DISK was not visible.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

Refer to the Data Record Form 76-36B, item 5.

40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Plot Report dated January 1981, and item 32 of the Descriptive Report.

46 - COMPARISON WITH EXISTING MAPS

A comparison was made with the U. S. Geological Survey Quadrangle KODIAK (C-6), ALASKA, dated 1952, scale 1:63,360.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with National Ocean Survey Charts:

16599, 5th edition, dated June 27, 1981, scale 1:20,000
16598, 6th edition, dated November 5, 1977, scale 1:80,000
16597, 6th edition, dated November 5, 1977, scale 1:80,000

Differences between the compilation manuscript and nautical charts were noted and reported to Marine Charts via the Chart Maintenance Print.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

TP-00906 E
CM-7709

ITEMS TO BE CARRIED FORWARD

None.

Submitted by:

David P. Butler

David P. Butler
Cartographer

Approved:

James W. Massey
James W. Massey
Photogrammetry Branch
Pacific Marine Center

REVIEW REPORT TP-00906 EAST
SHORELINE
JUNE 1984

61. GENERAL STATEMENT

Refer to Summary bound with this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

None

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Refer to Compilation Report, paragraph 46, bound with Descriptive Report.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

None.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following charts:

16599, 5th Edition, dated June 27, 1981, Scale 1:20,000

16598, 6th Edition, dated November 5, 1977, Scale 1:80,000

16597, 6th Edition, dated November 5, 1977, Scale 1:80,000

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with the project instructions and meets National Map Accuracy Standards.

67. PHOTOGRAPHS

Panchromatic and infrared (B&W) photographs were ^{taken}~~taken~~ in June and July 1977 with the Wild RC-8 (E) camera. These photographs were taken at scale 1:30,000 as mentioned in the Plot Report. The photographs were used to complement each other.

Submitted By:



Edward D. Allen
Cartographer

Approved and Forwarded:

Chief, Photogrammetric Section

Chief, Photogrammetry Branch

October 19, 1983

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7709 (Cape Alitak to Cape Kuliuk, Alaska)

TP-00906(E)

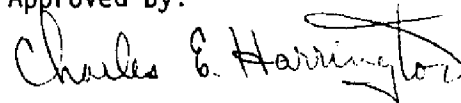
KODIAK ISLAND

LARSEN BAY

LARSEN BAY (locality)

UYAK BAY

Approved by:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

DISSEMINATION OF PROJECT MATERIAL

CM-7709

NATIONAL ARCHIVES/FEDERAL RECORDS CENTER

Job Completion Report

Brown Jacket:

Photogrammetric Plot Report Copies
Geographic Names Copies
Computer Listings
Project Diagrams
NOAA Forms 76-53
76-40
76-15
76-41

BUREAU ARCHIVES

Registered Copy of Each Map
Descriptive Report of Each Map

REPRODUCTION DIVISION

8x Reduction Negative of Each Map

OFFICE OF STAFF GEOGRAPHER

Geographic Names Standard

[illegible]

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	
POSITIONS DETERMINED AND/OR VERIFIED	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	David Butler, Cartographer
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64.)	
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field P - Photogrammetric L - Located Vis - Visually V - Verified 1 - Triangulation 5 - Field identified 2 - Traverse 6 - Theodolite 3 - Intersection 7 - Planetable 4 - Resection 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	III. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 II. POSITION VERIFIED VISUALLY ON PHOTOGRAPH EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

