

00625

00625

NOAA FORM 76-35 (3-76)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
THIS MAP EDITION WILL NOT BE FIELD EDITED	
Map No. TP-00625	Edition No. 1
Job No. CM-7607 (Part II)	
Map Classification CLASS III FINAL	
Type of Survey SHORELINE	
LOCALITY	
State ALASKA	
General Locality SHELIKOF STRAIT, KATMAI BAY TO CAPE KILOKAK	
Locality CAPE AKLEK	
1976 TO 19	
REGISTRY IN ARCHIVES	
DATE	

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

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY TF. 00625	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. (1)	
				<input type="checkbox"/> RESURVEY		MAP CLASS III Final	
				<input type="checkbox"/> REVISED		JOB <del>PHK</del> CM-7607	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division AMC, Norfolk, VA				LAST PRECEDING MAP EDITION			
OFFICER-IN-CHARGE  Roy K. Matsushige, CDR				TYPE OF SURVEY		JOB PH. _____	
				<input type="checkbox"/> ORIGINAL		MAP CLASS _____	
				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
				<input type="checkbox"/> REVISED		19__ TO 19__	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation Part II August 14, 1980 Amendment No. I June 16, 1981 Compilation Part II June 23, 1981				Premarking April 30, 1976 Photo Mission June 14, 1976			
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 checked="" 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 6	
5. SCALE 1:20,000				STATE		ZONE	
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY				S. Solbeck		Feb. 7, 1980	
METHOD: Analytic LANDMARKS AND AIDS BY				None			
2. CONTROL AND BRIDGE POINTS PLOTTED BY				S. Solbeck		Nov. 1980	
METHOD: Coradomat CHECKED BY							
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				D. Butler		Jan. 1981	
COMPILATION CHECKED BY				F. Margiotta		Jan. 1981	
INSTRUMENT: Wild B-8				CONTOURS BY		NA	
SCALE: 1:20,000				CHECKED BY		NA	
4. MANUSCRIPT DELINEATION PLANIMETRY BY				F. Margiotta		Feb. 1981	
CHECKED BY				F. Mauldin		Aug. 1981	
METHOD: Smooth Drafted Graphic				CONTOURS BY		NA	
CHECKED BY				NA			
SCALE: 1:20,000 HYDRO SUPPORT DATA BY				F. Margiotta		Feb. 1981	
CHECKED BY				F. Mauldin		Sept. 1981	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				F. Mauldin		Sept. 1981	
6. APPLICATION OF FIELD EDIT DATA BY				None			
CHECKED BY				None			
7. COMPILATION SECTION REVIEW Class III BY				F. Mauldin		Sept. 1981	
8. FINAL REVIEW Class III BY				J. Hancock		Jan. 1983	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				J. Hancock		Jan. 1983	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY							
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				M. O. Co		10-20-83	

TP-00625  
COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "E" and Wild RC-10 "C" and "Z"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	
<input checked="" type="checkbox"/> PREDICTED TIDES				Alaska	
<input type="checkbox"/> REFERENCE STATION RECORDS				MERIDIAN	
<input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				150th	
<input type="checkbox"/> DAYLIGHT					

NUMBER AND TYPE	DATE	TIME	SCALE	* STAGE OF TIDE
76C(C) 5059--5064 ✓	6/11/76	11:35	1:60,000	9.3 ft. above MLLW
76E(I) 4459--4462 ✓	6/27/76	09:06	1:40,000	0.7 above MLLW
76Z(C) 5830--5833 ✓	6/27/76	09:06	1:40,000	0.7 above MLLW
76E(I) 4476--4479 ✓	6/27/76	09:26	1:40,000	1.4 above MLLW
76Z(C) 5844--5847 ✓	6/27/76	09:26	1:40,000	1.4 above MLLW
76Z(C) 5826--5827 ✓	6/27/76	08:56	1:40,000	0.4 above MLLW
76E(I) 4454--4455	6/27/76	08:56	1:40,000	0.4 above MLLW
Cameras: C = 88.47 mm E = 152.71 mm Z = 153.14 mm				MHW = 11.1 ft.
*Based on predicted tide data				

REMARKS The RC-10 "C" photography was used for bridging and compilation. The RC-8 "E" infrared photography was used for graphic compilation of the Mean Lower Low Water line and the RC-10 "Z" for hydro-support photography.

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

The mean high water line was compiled on the Wild B-8 stereo instrument using the above listed color compilation photography.

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

The mean lower low water line was compiled graphically using the above listed infrared photography. Also, refer to the Compilation Report, item #31, Delineation.

## 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-00622 (Part I)	*TP-00626 (Part I)	TP-00628 (Part II)	No Survey

REMARKS

\*See Summary included with this descriptive report.

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

TP-00625

## HISTORY OF FIELD OPERATIONS.

I. ☒ FIELD INSPECTION OPERATION (Premarking) ☐ FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Melby	June 1976
2. HORIZONTAL CONTROL	RECOVERED BY " "	" "
	ESTABLISHED BY " "	" "
	PRE-MARKED OR IDENTIFIED BY L. Riggers	June 1976
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 BY	
	<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 NA	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED.

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
76C(C)5059	TERESA, 1947, Sub. Pt. established		
	Note: TERESA Sub. Pt. panelled on TP-00622		
76C(C)5063	REX 1947		
76C(C)5061	TRAIL 1947		

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)

3 - forms 76-53, 1 form 76-61A (Tellurometer Obser.)

NOAA FORM 76-36D  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00625  
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	Sept. 1981	Class III manuscript	None	Dec. 1981
Final Review Class III	Jan. 1983	Final Class III map, No field edit performed	April 26, 1983	Mar. 1983

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: None

## III. FEDERAL RECORDS CENTER DATA

1. ☐ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
ACCOUNT FOR EXCEPTIONS: All indicated data will be forwarded to the Federal Records Center upon completion of the entire project.
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: July 1983

## 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	



SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

TP-00625

This 1:20,000 scale final Class III shoreline map is one of six maps: TP-00625, TP-00627 through TP-00629, TP-00927, and TP-00717 that comprise project CM-7607, Part II, Shelikof Strait, Alaska. Part I of this project, which includes five 1:20,000 scale maps, will not be final reviewed at this time as it is presently being utilized to assist in active hydrographic survey operations.

The purpose of this project was to provide contemporary shoreline data in the support of hydrographic activity and to furnish data for nautical chart revision.

This final Class III map portrays the shoreline area from Dry Bay to the west coast of Puale Bay, including Cape Aklek and its offshore detail.

Field work prior to compilation was accomplished in June 1976; this involved the establishment of horizontal control in order to meet aerotriangulation requirements.

Photo coverage was provided in June 1976 for aerotriangulation and compilation by color photography using the RC-10 "C" camera at 1:60,000 scale. Supplemental black and white infrared and additional color photography were taken in tandem at 1:40,000 scale. The infrared photography was flown with the "E" camera at a stage of tide near MLLW based on predicted tide data. The color photography was flown using the "Z" camera. The supplemental photography was used to establish the approximate mean lower low water line, to assist in evaluating the compilation photography, and to provide photo support information for the hydrographer.

Analytic aerotriangulation was adequately provided by the Washington Science Center in November 1980.

Compilation was performed at the Atlantic Marine Center in September 1981. All compilation was based upon photo interpretation considering the stage of tide for the photography as determined from predicted tide data. The composition of several of the delineated foul areas could not be determined and were simply labeled "foul"; these areas were primarily compiled as advisory information to the hydrographer. Copies of the Class III manuscript were forwarded to the Pacific Marine Center to provide shoreline data for proposed hydrographic surveys.

Field edit was not performed for this map. This Class III map will junction with Part I of the project, which includes adjacent maps TP-00622 and TP-00626, which are scheduled to be registered at a later date as final field edited maps. This may result in junction discrepancies and should be considered when a final junction of all maps is accomplished.



SUMMARY  
TP-00625

Final review was performed at the Atlantic Marine Center in January 1983. A "Chart Maintenance Print" was prepared and forwarded to the Marine Charts Division. A "Notes to Hydrographer" print was submitted to the Hydrographic Surveys Division;; this annotated copy of the final map supersedes all previously forwarded data.

The Descriptive Report contains all pertinent information used to compile this Final Class III map. The original base manuscript was forwarded to the Washington Science Center for registration. Original control and subsequent office data will be submitted upon completion of the entire project.

## FIELD INSPECTION

TP-00625

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.

Aerotriangulation Report  
Shelikof Strait, Alaska

CM-7607

November 1980

21. Area Covered

The area covered by this report is the Alaska Peninsula Side of Shelikof Strait. The area is covered by six 1:20,000 scale manuscripts; TP-00625, TP-00627 through TP-00629, TP-00927, TP-00717.

22. Method

Four strips of 1:60,000 scale color photography were bridged by standard analytic aerotriangulation methods. Pre-paneled horizontal control was provided. Tie points were used to provide adequate junctioning between the strips.

The support photography consists of 1:40,000 scale black-and-white infrared and 1:40,000 scale color photography flown in tandem. Common points were located between the bridging photography and the infrared photography for ratio purposes. A predetermined constant was multiplied to these ratio values to determine the ratio values for color compilation photography.

Ratio prints have been ordered. The manuscripts were ruled on the coradomat.

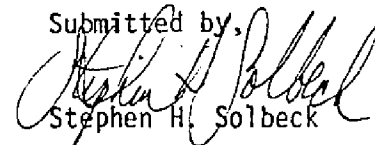
23. Adequacy of Control

The control proved adequate according to the National Map Accuracy Standards.

25. Photography

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

Submitted by,

  
Stephen H. Solbeck

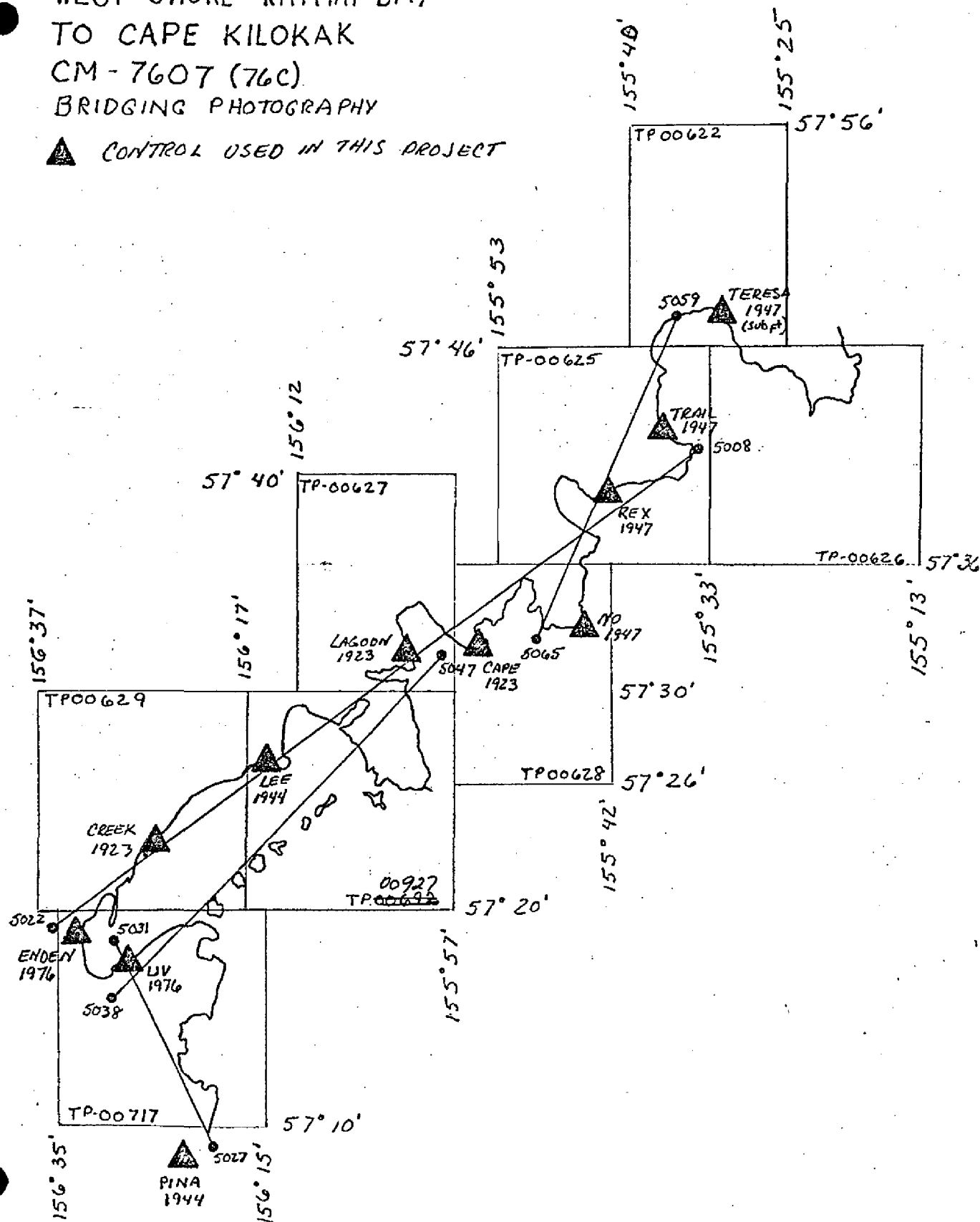
Approved and Forwarded:



Don O. Norman  
Chief, Aerotriangulation Section

SHELIKOF STRAIT, ALASKA  
 WEST SHORE - KATMAI BAY  
 TO CAPE KILOKAK  
 CM-7607 (76C)  
 BRIDGING PHOTOGRAPHY

▲ CONTROL USED IN THIS PROJECT



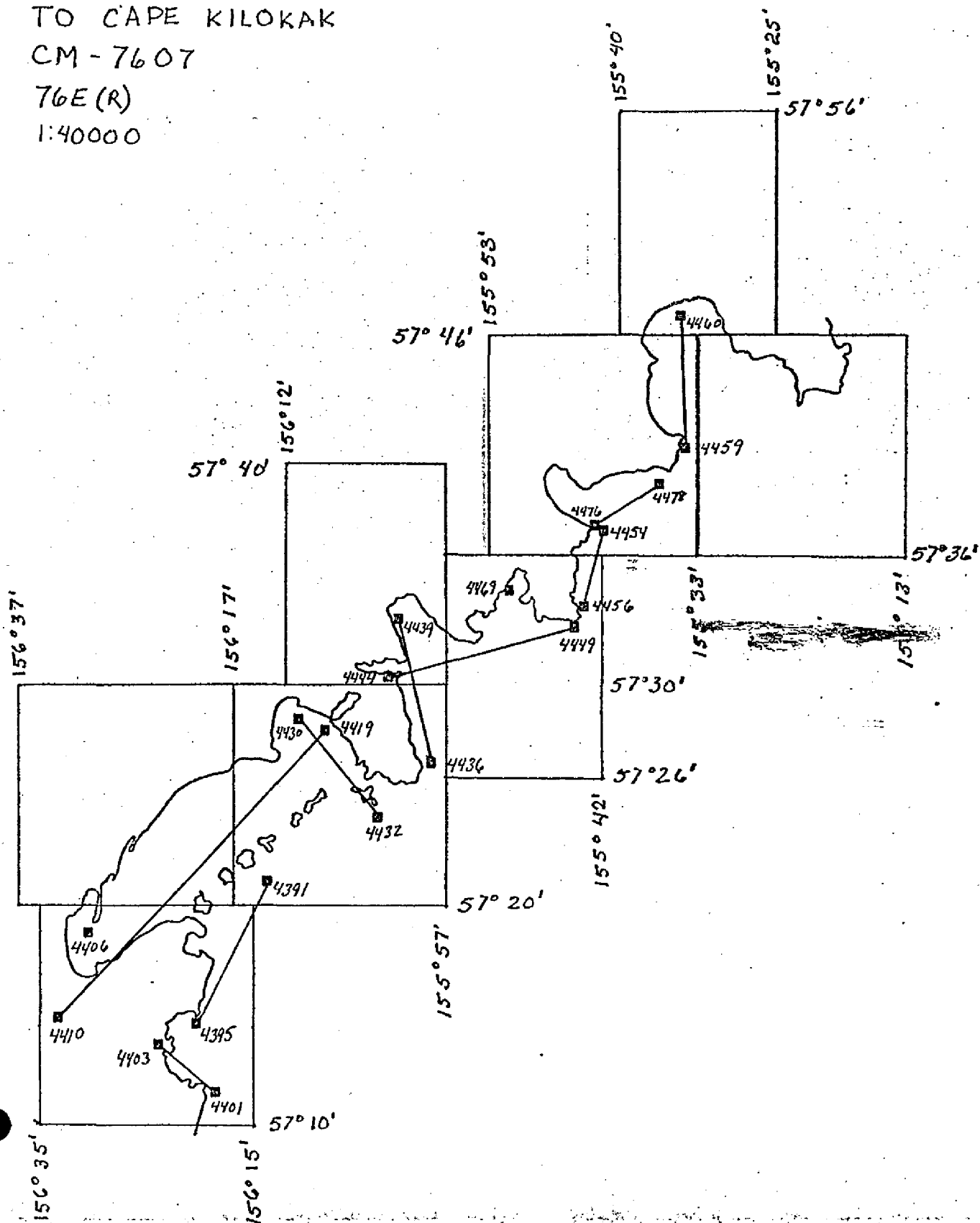
SHELIKOF STRAIT, ALASKA  
WEST SHORE KATMAI BAY

TO CAPE KILOKAK

CM-7607

76E(R)

1:40000

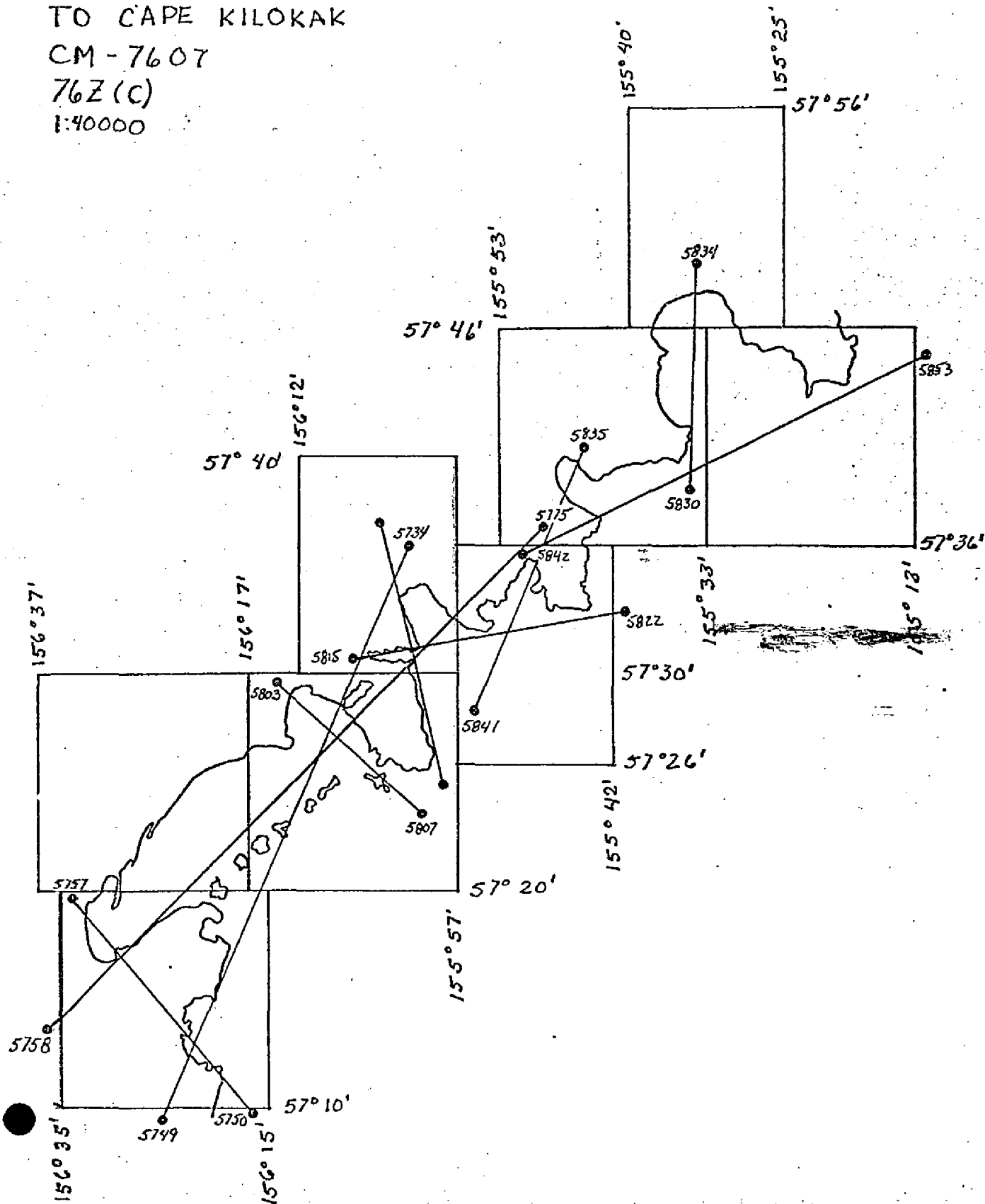


SHELIKOF STRAIT, ALASKA  
 WEST SHORE KATMAI BAY  
 TO CAPE KILOKAK

CM-7607

76Z(C)

1:40000



CM-7607  
 SHELIKOF STRAIT, ALASKA  
 FIT TO CONTROL  
 OF X&Y IN FEET

## STRIP #4

	X	Y
THERESA, 1947 (Sub Point)	.165	.022
TRAIL, 1947	-.530	-.024
REX, 1947	.496	.057
NO, 1947	-.132	-.055

## STRIP #5

TRAIL, 1947	-1.126	1.506
REX, 1947	3.126	-.884
CAPE, 1923	-.376	-4.341
LAGOON, 1923	-6.809	1.994
LEE, 1944	4.893	2.224
CREEK, 1923	2.432	1.400
LIV, 1976	1.935	-2.679
ENDEN, 1976	-4.092	.768

## STRIP #6

LIV, 1976	-.247	-1.141
LAGOON, 1923	-.366	1.853
CREEK, 1923	-4.159	3.827
LEE, 1944	4.711	2.932

## STRIP #7

PINA, 1927	-.259	-.285
LIV, 1976	-.079	.879

## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.		JOB NO.		GEODETIC DATUM		ORIGINATING ACTIVITY		REMARKS
TP-00625		CM-7607		NA 1927		Coastal Mapping Div., AMC		
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE Alaska ZONE 6		GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE			
NORTH WATERFALL 1947	IBM		x=		φ 57°40'47.663"			
	READ-OUT pg. 1 & 2 (1980)		y=		λ 155°34'49.022"			
PUALE, 1947	Geodesy Adjustment)		x=		φ 57°41'23.253"			
			y=		λ 155°35'06.330"			
REX, 1947			x=	949,851.199	φ 57°38'17.782"			
			y=	1,336,497.534	λ 155°42'14.177"			
TERESA, 1947			x=	966,599.478	φ 57°45'00.422"			
			y=	1,377,974.588	λ 155°36'39.887"			
TRAIL, 1947			x=	962,676.020	φ 57°42'22.300"			
			y=	1,361,775.139	λ 155°38'02.552"			
ULM, 1947			x=		φ 57°41'07.994"			
			y=		λ 155°34'44.239"			
OIL, 1947			x=		φ 57°39'08.445"			
			y=		λ 155°39'05.469"			
CAPE, 1947	AK 38135 pg. 6		x=		φ 57°39'30.948"			
			y=		λ 155°35'31.150"			
DRY, 1947			x=		φ 57°36'57.484"			
			y=		λ 155°43'11.998"			
JOE, 1947			x=		φ 57°40'45.623"			
			y=		λ 155°34'37.150"			
COMPUTED BY F. Margiotta		DATE Feb. 1981	COMPUTATION CHECKED BY Billy H. Barnes			DATE Feb. 1981		
LISTED BY F. Margiotta		DATE Feb. 1981	LISTING CHECKED BY W. Connally			DATE Feb. 1981		
HAND PLOTTING BY F. Margiotta		DATE Feb. 1981	HAND PLOTTING CHECKED BY L. Williams			DATE Feb. 1981		

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.



NOVEMBER 1972

U.S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

# HORIZONTAL CONTROL DATA

ALASKA 57155 PAGE NO 6

by the  
Coast and Geodetic Survey  
NORTH AMERICAN 1927 DATUM

CAPE (Alaska Peninsula, S.W. Alaska, H.A.S., 1923)--CAPE is located on the southern shore of Cape Kanatak about midway between the extreme southeast point of the cap and the first jutting promontory to the westward, in the locality of Portage Bay. It is a standard station mark set in a boulder about 13 feet back from the edge of cliff which drops abruptly about 40 feet to beach. Note 4. Station LAGOON is just visible over a grassy slope extending down to the left. A pile of rocks was placed around the base of the pole signal.

Reference marks nos. 1 and 2 are standard marks, both set in the top of the cliff jutting out toward the beach, and both about 10 feet lower than the station. Note 12a. Measurements to both were taken on the slope.

OBJECT	DISTANCE	DIRECTION
LOVAK	21.96	0°00'00"0
R.M. No. 1	28.49	00
R.M. No. 2	17.84	228 03 00

Height of signal above station mark-5 meters.

CAPE (Shelikof Strait, Alaska, A.P.R., 1947)--On the W shore of Shelikof Strait, on the SE side of Cape Alek, Puale Bay, on an offshore rock (approximately 75 feet high), on SE end of rock, SE of highest part of rock. Station is a bronze station disk stamped "CAPE 1947".

Reference mark 1 is a bronze reference disk stamped "1 1947" and set in a drill hole in outcropping bedrock. disk stamped "2 1947" and Reference mark 2 is a bronze reference disk stamped "2 1947" and set in a drill hole in outcropping bedrock.

OBJECT	DISTANCE	DIRECTION
R.M. 1	5.160	0°00'00"0
R.M. 2	4.155	80 04

## COMPILATION REPORT

TP-00625

31. DELINEATION

Delineation of the MHW line and the planimetric detail were by instrument methods using the Wild B-8 stereoplotter. Compilation photography was adequate.

The MLLW line was compiled graphically using infrared photographs. This photography was taken within  $\pm 1$  ft. of mean lower low water based upon predicted tide data. One area, approximately 2 miles in length, extending easterly from Oil Creek, was an exception to the  $\pm 1$  ft. tide tolerance. The MLLW photography for this area was taken at 1.4 ft. above MLLW according to predicted tide data. Consequently, with consideration for the excessive tide level on the infrared photos and assistance from the supplemental color photos taken in tandem, the MLLW line was delineated.

32. CONTROL

Horizontal control was adequate. See the attached Photogrammetric Plot Report, dated November 1980.

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 by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

There are numerous foul areas delineated on the sheet; in most cases, the composition of these areas could not be determined and were labeled only as "foul."

36. OFFSHORE DETAILS

No unusual problems.

37. LANDMARKS AND AIDS

There were no charted landmarks or aids within the limits of this manuscript.

TP-00625

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

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

40. HORIZONTAL AND VERTICAL ACCURACY

See Item #32.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with Quad Karluk (C-6) Alaska, scale 1:63,360, date 1951, Karluk (C-4 and C-5), Alaska, scale 1:63,360, date 1951 - Karluk (D-5), Alaska, scale 1:63,360, date 1951.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with N.O.S. chart No. 16580, scale 1:350,000, 7th edition, dated March 11, 1978.

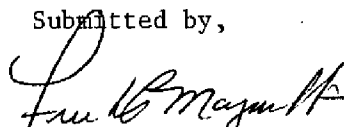
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

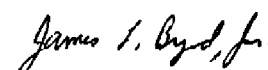
None

Submitted by,

  
Frank Margiotta  
Cartographic Technician

February 1981

Approved,

  
James L. Byrd, Jr.  
Chief, Coastal Mapping Unit

## PHOTOGRAMMETRIC OFFICE PRE-HYDRO AND FIELD EDIT REVIEW

TP-00625

PROJECTION AND GRIDS FTM	TITLE FTM	HORIZONTAL CONTROL FTM	PHOTOGRAMMETRIC PLOT REPORT FTM
DETAIL POINTS AND PASS POINTS FTM	PROCESSED RATIOS FTM	AIDS TO NAVIGATION None	LANDMARKS None
MEAN HIGH WATER LINE FTM	LOW-WATER LINE FTM	ROCKS, SHOALS, ETC. FTM	ALONG SHORE AND OTHER PHYSICAL FEATURES FTM
WATER FEATURES FTM	ALONG SHORE AND OTHER CULTURAL FEATURES FTM	BRIDGES None	ROADS None
BUILDINGS FTM	RAILROADS None	CONTOURS AND SPOT ELEVATIONS NA	GEOGRAPHIC NAMES FTM
JUNCTIONS ** FTM	LEGIBILITY OF THE MANUSCRIPT FTM	COMPILATION REPORT FTM	FIELD EDIT OZALID FTM
COMPARISON WITH NAUTICAL CHARTS FTM	COMPARISON WITH PRIOR SURVEYS *FTM	COMPARISON WITH EXISTING MAPS FTM	FIELD PRINTS AND OTHER COPIES FTM
REVIEWER F. Mauldin	DATE Sept. 1981	SUPERVISOR J. Byrd	DATE September 1981
REMARKS *A comparison was made with the following hydro sheets: H=7195; dated June-Sept. 1947; scale 1:20,000; and H-7194; scale 1:20,000; dated July-Sept. 1947. **Junction was made to the north with film copy of TP-00622 because the sheet and all data was sent to PMC 2/81.			

## PHOTOGRAMMETRIC OFFICE POST-HYDRO AND FIELD EDIT REVIEW

MANUSCRIPT NUMBERS	FORMAT STICK-UP	MANUSCRIPT SIZE	HORIZONTAL CONTROL
PHOTO HYDRO STATIONS	PLOTTING OF SEXTANT FIXES	AIDS TO NAVIGATION	LANDMARKS
MEAN HIGH WATER LINE	LOW-WATER LINE	ROCKS, SHOALS, ETC.	ALONG SHORE AND OTHER PHYSICAL FEATURES
WATER FEATURES	ALONG SHORE AND OTHER CULTURAL FEATURES	PIPELINES, CABLES, ETC.	BRIDGES
ROADS	BUILDINGS	RAILROADS	CONTOURS AND SPOT ELEVATIONS
GEOGRAPHIC NAMES	JUNCTIONS	FIELD EDIT PHOTOGRAPHS	FIELD EDIT OZALID
GEOGRAPHIC FIX POSITIONS	FIELD FORMS	FIELD EDIT REPORT	APPROVED TIDES
CHART MAINTENANCE PRINT AND OTHER COPIES	PREPARATION FOR FINAL REVIEW	COMPILER	DATE
REVIEWER	DATE	SUPERVISOR	DATE
REMARKS			

## REVIEW REPORT TP-00625

## SHORELINE

61. GENERAL STATEMENT:

For a schedule of field and office activities for this Final Class III map, refer to the Summary included in this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with the following 1:63,360 scale U.S.G.S. quadrangles:

Karluk (C-6) Alaska, 1951  
Karluk (C-4 & C-5) Alaska, 1951

No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No comparison was made with a contemporary hydrographic survey as the primary purpose of this photogrammetric map is to provide shoreline information for current hydrographic activity. However, a comparison was made with a copy of two previous hydrographic surveys registered as H-7194 and H-7195, both dated September 1947 and surveyed at 1:20,000 scale. This comparison revealed two discrepancies concerning offshore rocks along the south shore of Cape Aklek at Lat. 57°39.5', Long. 155°35.5'. One major bare rock, where triangulation station CAPE, 1947 (Alaska quad 57155 pg. 6) is located, was omitted from the hydrographic surveys. This rock is very prominent and appears as described (approx. 75 ft. tall) in the station publication. Another rock at Lat. 57°39.9', Long. 155°35.0' was surveyed as 4 feet bare. This rock does not appear bare on the photography and was delineated as awash on this final Class III map. These two discrepancies fall within the limits of both H-7194 and H-7195 as they junction at approximately Lat. 57°40.0'. Both items were addressed on the "Notes to Hydrographer" print prepared during final review.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with N.O.S. chart #16580, 8th edition, 1:350,000 scale, dated October 31, 1981. A detailed comparison could not be accomplished due to the scale of this chart, which happens to be the largest scale available. However, it does appear that the

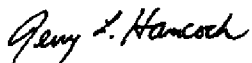
TP-00625

offshore rocks charted along the southeast point of Cape Aklek are a product of the Hydrographic surveys discussed in Item #34 of this review report. Consequently, the previously mentioned mass of bare rock uncharted at triangulation station CAPE 1947, needs to be charted.

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,



Jerry L. Hancock  
Final Reviewer

Approved for forwarding,



Billy H. Barnes  
Chief, Photogrammetric Section, AMC

Approved,

Chief, Photogrammetric Section, Rockville    Chief, Photogrammetry Branch

November 16, 1982

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7607 (Shelikof Strait, Alaska)

TP-00625

Cape Aklek

Dry Bay

Dry Creek

Katie Creek

Oil Creek

Puale Bay

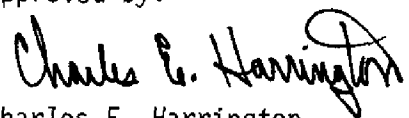
Rex Creek

Shelikof Strait

Teresa Creek

Trail Creek

Approved by:



Charles E. Harrington  
Chief Geographer, C3x5

DISSEMINATION of PROJECT MATERIAL

CM-7607

Shelikof Strait, Katmai Bay to Cape Kilokak

National Archives/Federal Record Center

Brown Jacket

Plot Report  
Computer Readout  
NOAA Forms 76-53 (CSI Copies)  
NOAA Forms 76-15 (Photo Flight Reports)  
NOAA Forms 76-41 (Proj. Hor. Control)  
Project Diagram (Page Size)

Project Completion Report

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





TYPE OF ACTION		RESPONSIBLE PERSONNEL	
		NAME	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD			<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED			FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW			OFFICE ACTIVITY REPRESENTATIVE
ACTIVITIES			<input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'			
(Consult Photogrammetric Instructions No. 64.)			
<b>OFFICE</b> <b>I. OFFICE IDENTIFIED AND LOCATED OBJECTS</b> 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		<b>FIELD (Cont'd)</b> <b>B. Photogrammetric field positions*</b> 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	
<b>FIELD</b> <b>I. NEW POSITION DETERMINED OR VERIFIED</b> 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		<b>II. TRIANGULATION STATION RECOVERED</b> 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	
<b>A. Field positions* require entry of method of location and date of field work.</b> EXAMPLE: F-2-6-L 8-12-75		<b>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH</b> Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75	
<b>**FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.</b> <b>**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.</b>			

