

T 13172

T-13172

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<b>DESCRIPTIVE REPORT</b>	
<i>Map No.</i> T-13172	<i>Edition No.</i> 1
<i>Job No.</i> PH-6709	
<i>Map Classification</i> FINAL FIELD EDITED MAP	
<i>Type of Survey</i> SHORELINE	
<b>LOCALITY</b>	
<i>State</i> ALASKA	
<i>General Locality</i> SHELIKOF STRAIT	
<i>Locality</i> CAPE KULIAK	
<div style="border: 1px solid black; padding: 5px; display: inline-block;">1967 TO 1975</div>	
<b>REGISTERED IN ARCHIVES</b>	
<b>DATE</b>	

**DESCRIPTIVE REPORT - DATA RECORD**

TYPE OF SURVEY

- ORIGINAL
- RESURVEY
- REVISED

SURVEY TP. 13172

MAP EDITION NO. (1)  
Final Field  
MAP CLASS Edited Map  
JOB PH. 6709

PHOTOGRAMMETRIC OFFICE

Coastal Mapping Division, AMC,  
Norfolk, VA 23510

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

I. OFFICE

Aerotriangulation 09/26/67  
Compilation 05/06/68  
Compilation 11/06/70

2. FIELD

Premarking Feb 10, 1967

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

5

5. SCALE

1:10,000

STATE

ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS	NAME	DATE
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY	I. Saperstein	Apr 1968
	None	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Calcomp CHECKED BY	A. Bethea	Jul 1968
	L. Van Scoy	Jul 1968
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY	L. Neterer	Apr 1968
INSTRUMENT: Wild B-8	R. White	Apr 1968
SCALE: 1:15,000	NA	
	NA	
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY	F. Margiotta	May 1971
METHOD: Smooth drafted	B. Wilson	May 1971
	NA	
	NA	
SCALE: 1:10,000 HYDRO SUPPORT DATA BY CHECKED BY	F. Margiotta	May 1971
	B. Wilson	May 1971
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	B. Wilson	May 1971
6. APPLICATION OF FIELD EDIT DATA BY	J. Roderick	Jun 1976
CHECKED BY	F. Margiotta	Jul 1976
7. COMPILATION SECTION REVIEW BY	F. Margiotta	Jul 1976
8. FINAL REVIEW BY	J. Byrd	Feb 1987
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY	J. Byrd	Apr 1987
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	P. Dempsey	Aug 1987
11. MAP REGISTERED - COASTAL SURVEY SECTION BY	E. DAUGAERD	AUG '87

T-13172  
**COMPILATION SOURCES**

**1. COMPILATION PHOTOGRAPHY**

CAMERA(S) Wild RC 8"L" FL = 152.71mm Wild RC 9"M" FL = 88.20mm		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 (I) INFRARED		ZONE Alaska MERIDIAN 150th	
				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
67L(C) 4562-4564	7/27/67	12:50	1:30,000	3.2 ft above MLLW	
67L(C) 4567&4568	7/27/67	12:53	1:30,000	3.2 ft above MLLW	
67L(C) 4568-4571	7/11/67	10:48	1:30,000	2.0 ft above MLLW	
67M(P) 1001-1003	7/27/67		1:60,000	Not applicable	
REMARKS					

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

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

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

The mean lower low water line was compiled from the above listed 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
T-13169	No survey	No survey	T-13171

REMARKS  
None

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**HISTORY OF FIELD OPERATIONS**

I.  FIELD INSPECTION OPERATION      premarking  FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	G. Short	July 1967
2. HORIZONTAL CONTROL	RECOVERED BY	J. Carte
	ESTABLISHED BY	None
	PRE-MARKED OR IDENTIFIED BY	J. Carte
3. VERTICAL CONTROL	RECOVERED BY	NA
	ESTABLISHED BY	NA
	PRE-MARKED OR IDENTIFIED BY	NA
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED ( <i>Triangulation Stations</i> ) BY	None
	LOCATED ( <i>Field Methods</i> ) BY	None
	IDENTIFIED BY	None
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	<input type="checkbox"/> COMPLETE BY	
	<input type="checkbox"/> SPECIFIC NAMES ONLY	
<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  
NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
67M 974	KULIAK, 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     NONE

6. 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 152

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HISTORY OF FIELD OPERATIONS

I. <input type="checkbox"/> FIELD INSPECTION OPERATION		<input checked="" type="checkbox"/> FIELD EDIT OPERATION	
OPERATION	NAME	DATE	
1. CHIEF OF FIELD PARTY	R. Alderman	July 1975	
2. HORIZONTAL CONTROL	RECOVERED BY	None	
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	None	
3. VERTICAL CONTROL	RECOVERED BY	NA	
	ESTABLISHED BY	NA	
	PRE-MARKED OR IDENTIFIED BY	NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED ( <i>Triangulation Stations</i> ) BY	None	
	LOCATED ( <i>Field Methods</i> ) BY	None	
	IDENTIFIED BY	None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION		
	<input type="checkbox"/> COMPLETE	BY	
	<input type="checkbox"/> SPECIFIC NAMES ONLY		
	<input checked="" type="checkbox"/> NO INVESTIGATION		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	Gulley	July 1975
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA	
II. SOURCE DATA			
1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
None		NA	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
3. PHOTO NUMBERS ( <i>Clarification of details</i> )			
67L 4269, 4271, 4567			
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 ( <i>Sketch books, etc. DO NOT list data submitted to the Geodesy Division</i> )			
1 Field edit ozalid			
1 Field edit report			

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 1971	Class III manuscript Superseded	7/6/71	4/2/75
Field edit applied. Compilation complete	June 1976	Class I manuscript	1/11/80	8/4/76
Final Review	Feb 1987	Final Map	JUNE 1987	

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: \_\_\_\_\_
3.  REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

III. FEDERAL RECORDS CENTER DATA

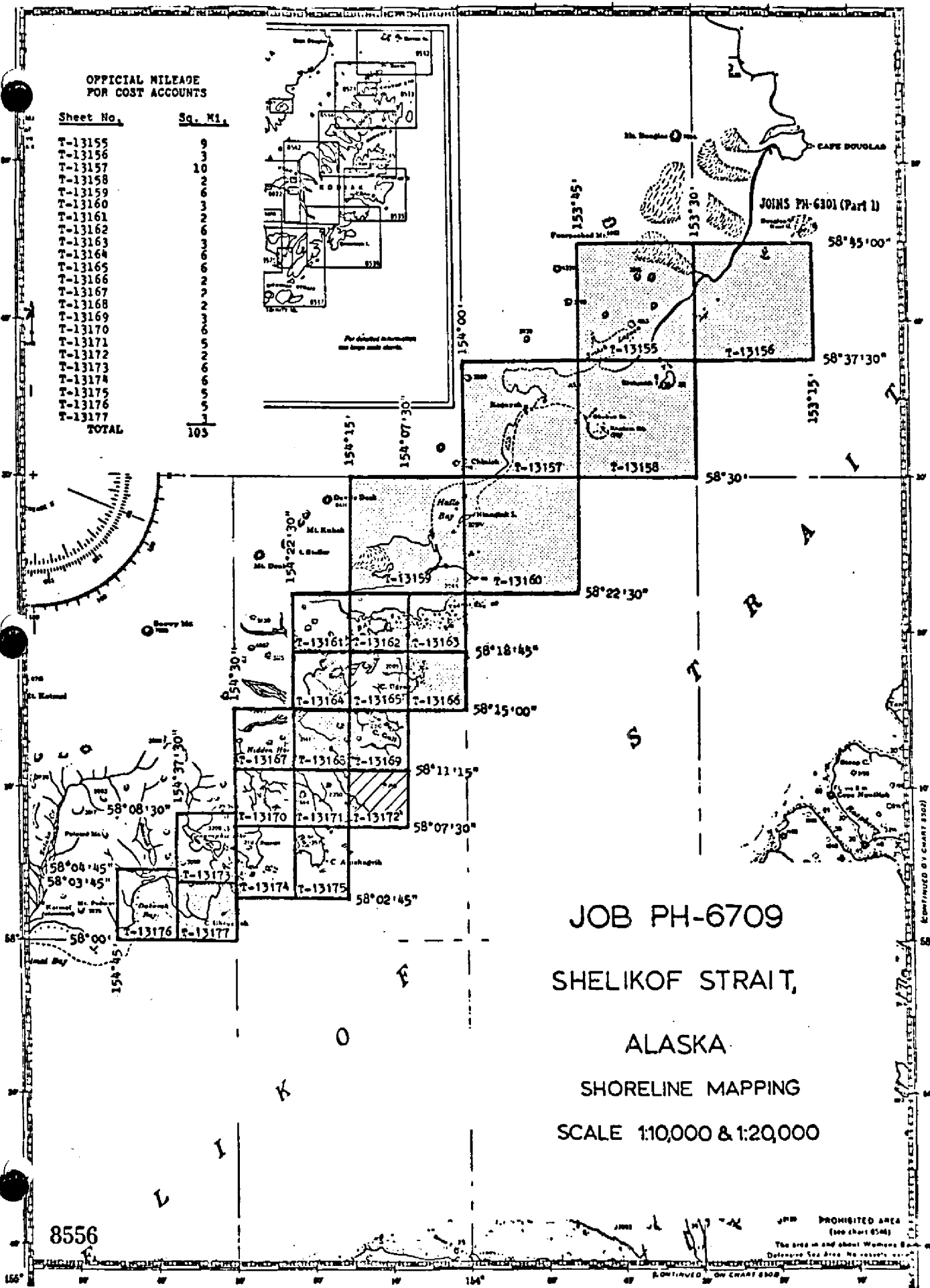
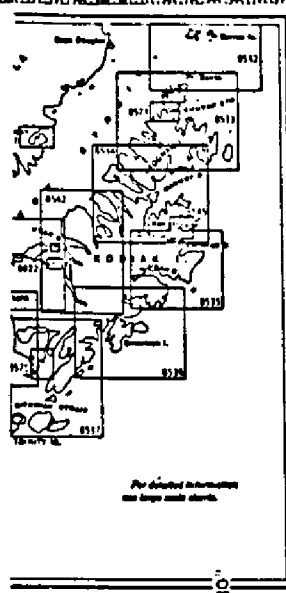
1.  BRIDGING PHOTOGRAPHS;  DUPLICATE BRIDGING REPORT;  COMPUTER READOUTS.
2.  CONTROL STATION IDENTIFICATION CARDS;  FORM NOS. 76-40 ~~563~~ SUBMITTED BY FIELD PARTIES.
3.  SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:
4.  DATA TO 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	

OFFICIAL MILEAGE  
FOR COST ACCOUNTS

Sheet No.	Sq. Mi.
T-13155	9
T-13156	3
T-13157	10
T-13158	2
T-13159	2
T-13160	2
T-13161	2
T-13162	2
T-13163	2
T-13164	2
T-13165	2
T-13166	2
T-13167	2
T-13168	2
T-13169	2
T-13170	2
T-13171	2
T-13172	2
T-13173	2
T-13174	2
T-13175	2
T-13176	2
T-13177	2
<b>TOTAL</b>	<b>103</b>



JOB PH-6709  
 SHELIKOF STRAIT,  
 ALASKA  
 SHORELINE MAPPING  
 SCALE 1:10,000 & 1:20,000

8556

PROHIBITED AREA  
 (See chart 8546)  
 The area in and about Womens Bay  
 Delaware Sea Area. No resorting

CONTINUED ON CHART 8508

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

T-13172

This 1:10,000 scale Final shoreline map is one of twenty-three maps designated as project PH-6709, Shelikof Strait, Cook Inlet, Alaska. Six maps are 1:20,000 scale and seventeen maps are 1:10,000 scale.

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 1967 field season consisted of recovery and premarking of horizontal control for aerotriangulation.

This map area was photographed in July 1967 with the RC-9 "M" camera at 1:60,000 scale using panchromatic film. The map area was also photographed in July 1967 with the RC-8 "L" camera at 1:30,000 scale using color film.

Aerotriangulation was completed at the Washington Office in April 1968.

This map was compiled at the Norfolk Office in May 1971.

Field edit was acquired for T-13172 during the 1975 field season. Field edit was applied at AMC in July 1976.

Final review was accomplished at the Atlantic Marine Center in February 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

T-13172

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  
Job PH-6709  
Shelikof Strait, Alaska

April 1968

21. Area Covered

The area of this report covers the western shore of Shelikof Strait, Alaska, and consists of seven (7) 1:20,000 scale T-sheets, T-13154 thru T-13160 and seventeen (17) 1:10,000 scale T-sheets T-13161 thru T-13177.

22. Method

Strips 1, 2, 3 and 4 were bridged by analytic aerotriangulation methods. Strips 211, 212, 222, 223, 232, 233, 241 and 281 were bridged by stereoplanigraph using tie points located by the analytic bridge. Strips 224, 231, 242 and 243 were not bridged, but sufficient points have been located to set the models. Photographs 4576 and 4578 on sheet T-13174 are to be compiled graphically using points to be transferred from the color plates to the ratio prints. This is a water model and may be difficult to set.

The attached sketch of the strips bridged shows the placement of triangulation used in the final strip adjustments. Closures to control are shown for each strip on the IBM readout, along with all bridge points on Alaska Zone 5 plane coordinates.

23. Adequacy of Control

Horizontal control is adequate to control strips 1, 2, 3 and 4. All color photographs that were bridged used tie points and horizontal control. This was adequate. All horizontal control was premarked with the exception of DAKAVAK, 1967 and KINAK, 1967. RC-9 photography on strip 2 was flown before the above stations were panelled. KINAK, 1967 was transferred on the PUG from strip 4 to strip 2. DAKAVAK, 1967 was outside the limits of strip 1 and 4 and it was impossible to transfer the point from the color photography due to a poor area. DAKAVAK, 1967 was therefore omitted from the adjustment of strip 2.

DOUGLAS, 1964 could not be held in the adjustment of strip 3. The station is at the extreme edge of the photograph where film distortion is greatest.

24. Supplemental Data

Vertical control needed for the adjustment was taken from USGS quadrangles.

-2-

25. Photography

The definition and quality of the RC-9 "M" and RC-8 "L" color photography were fair and good respectively. Coverage was adequate to compile all sheets.

Ratio prints have been ordered from the 1:40,000 scale color photographs on black and white base that cover the 1:20,000 scale sheets. Ratio prints have also been ordered from the 1:30,000 scale color photographs on black and white base that cover the 1:10,000 scale sheets.

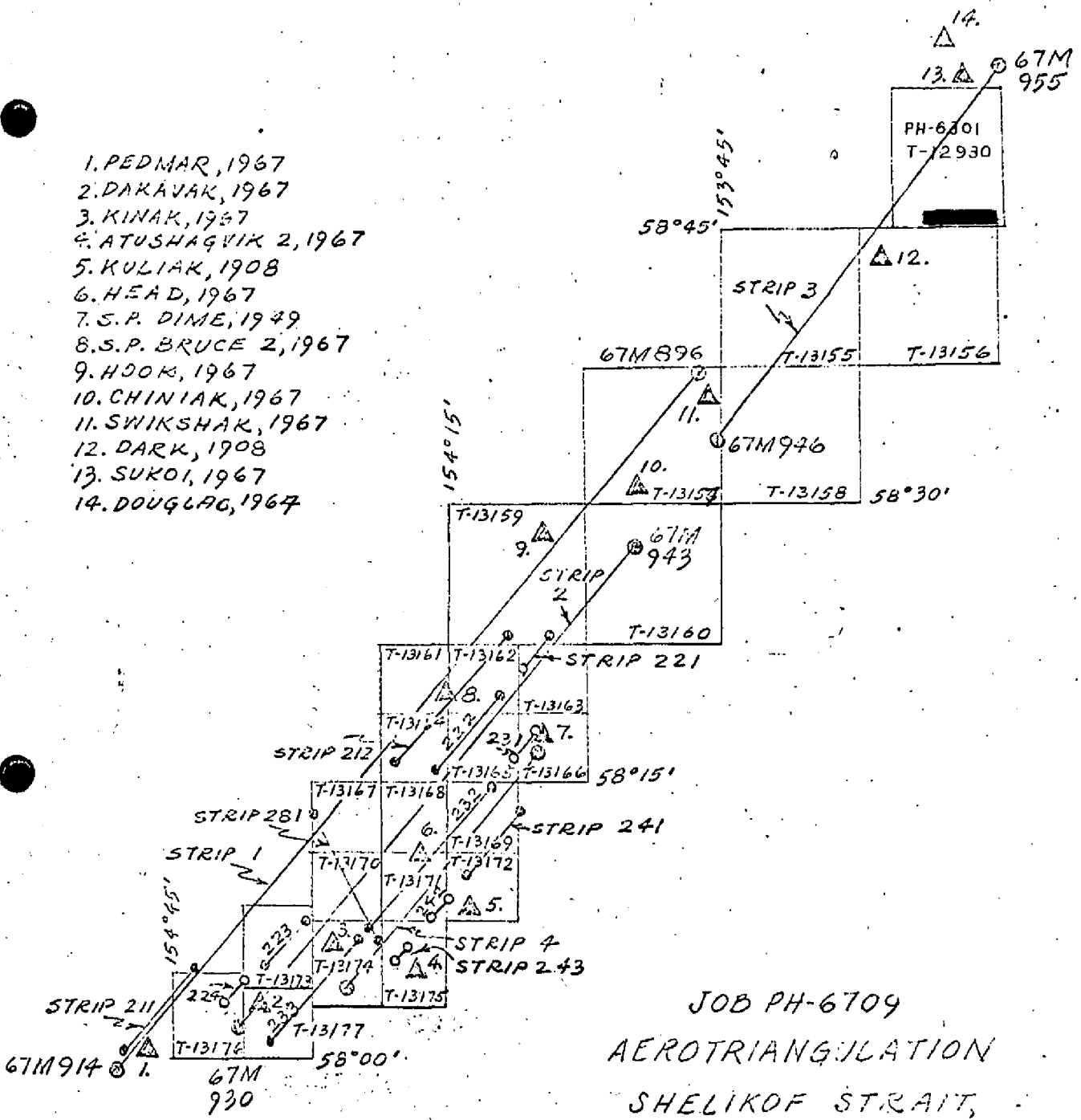
Respectively submitted,

  
I. I. Saperstein

Approved and forwarded

  
Chief, Aerotriangulation Section

1. PEDMAR, 1967
2. DAKAVAK, 1967
3. KINAK, 1967
4. ATUSHAGVIK 2, 1967
5. KULIAK, 1908
6. HEAD, 1967
7. S. P. DIME, 1949
8. S. P. BRUCE 2, 1967
9. HOOK, 1967
10. CHINIAK, 1967
11. SWIKSHAK, 1967
12. DARK, 1908
13. SUKOI, 1967
14. DOUGLAG, 1967



JOB PH-6709  
 AEROTRIANGULATION  
 SHELIKOF STRAIT,  
 ALASKA

- ▲ Control used in adjustment
- strips bridged analytically
- strips bridged by Stereoplanigraph
- strips not bridged; models to be scaled using points from analytic bridge.



**UNITED STATES DEPARTMENT OF COMMERCE**  
**National Oceanic and Atmospheric Administration**  
 NATIONAL OCEAN SURVEY  
 ROCKVILLE, MARYLAND 20852  
 National Ocean Service  
 CHARTING AND GEODETIC SERVICES  
 Rockville, Md. 20852

March 10, 1983

N/CG2321:GF

TO: N/CG232 - George M. Ball  
 N/MOA22 - A. Y. Bryson  
 FROM: N/CG23 - Lawrence W. Fritz *L. W. Fritz*  
 SUBJECT: Geodetic Datum, Jobs PH-6709 and CM-7607 Part I

A horizontal datum conflict occurs between these jobs. This conflict was detected during an evaluation of 1980 field data developed for PH-6709. A complete review of project data for both jobs has been conducted to seek the proper course of action required to resolve this matter.

1. Review. The examination revealed the following:
  - a. Maps comprising each job are Class I and unreviewed.
  - b. Copies of unreviewed maps have been furnished in support of hydrography by N/MOA221.
  - c. N/CG232 has not released any data to N/CG22.
  - d. Aerotriangulation of each job checked well within the specified standards.
  - e. The National Geodetic Survey, in 1976, readjusted segments of the control network within the region of Alaska covered by these photogrammetric jobs. This action affected all geodetic stations used in these projects and resulted in an adjustment of approximately  $-.02$  second in latitude and  $+.84$  second in longitude to the stations.
  - f. The datum conflict occurs because base compilation of PH-6709 is based on aerotriangulated positions determined using geodetic station positions prior to the 1976 adjustment and CM-7607 compilation is controlled using post-1976 adjusted geodetic positions.
  - g. Conflict between jobs went unnoticed during aerotriangulation and compilation. Two reasons probably caused this; aerotriangulation operations were accomplished independently and meet standards, and the shoreline at the junction between jobs is oriented in an east-west direction and the major datum shift occurs in longitude.



- h. Map T-13176(PH-6709) represents conflicting data. This map depicts detail compiled from photographs controlled using pre-1976 geodetic data and 1980 field information based on adjusted geodetic data.
- i. Users of PH-6709 data must be alerted about the geodetic adjustment. Users will be required to effect a datum adjustment before this data is used in the production of charts, other maps or surveys, etc.

2. Actions Required. Because of the 1976 geodetic adjustment, the following actions are required and to be taken immediately:

- a. Make appropriate report documentation for each map of PH-6709 indicating that map detail is based on geodetic control positions prior to the 1976 adjustment and add this statement to each map: "The National Geodetic Survey readjusted the geodetic network in 1976. This map is based on geodetic control positions prior to the adjustment." Because CM-7607 is based on adjusted control, a map notation is not required. However, for the one map junctioning with PH-6709, report documentation addressing the datum conflict is required.
- b. Field data developed in 1980 was applied to T-13176(PH-6709). Data applied based on 1980 field geodetic positions are to be removed. This will generally include geodetic stations and rocks. Data applied based on map detail/photo image points are adequate and will remain in the photogrammetric records, e.g.; area limits, items graphically applied, items intersected using radial plot principals.
- c. Field data and records acquired that are based on 1980 geodetic field control and affecting T-13176 are to be transferred to the hydrographic record for H-9887 and H-9896 through N/CG2321. It will be necessary to prepare duplicate field records to remain with photogrammetric data.
- d. A map copy of T-13176, after it is updated, will be required to complete H-9887/H-9896 and is to be routed through N/CG2321 to N/CG24.

3. Miscellaneous. A request has been made by N/CG24 for an updated copy of T-13176 before 4/20/83. If compliance with this request cannot be met, please inform this office immediately. Completion schedule for final review is pending and will be addressed by subsequent instructions.

cc:

N/CG2342

N/CG24

N/MOA221 ✓

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETTIC DATUM		ORIGINATING ACTIVITY		REMARKS	
					PH-6709	N.A. 1927	Division, AMC, Norfolk, VA	Coastal Mapping		
			COORDINATES IN FEET		GEOGRAPHIC POSITION					
			STATE	ALASKA	$\phi$ LATITUDE	$\lambda$ LONGITUDE				
			ZONE	5						
			ADJ.			$x=$	$\phi$ 58 08 04.714	145.8	1710.6	
		KULIAK, 1908	I.B.M.	0100		$y=$	$\lambda$ 154 12 59.736	977.6	4.3	
						$x=$	$\phi$ 58 08 41.651	1288.6	567.8	
		LEDGE, 1967				$y=$	$\lambda$ 154 13 58.726	960.8	20.8	
						$x=$	$\phi$			
						$y=$	$\lambda$			
						$x=$	$\phi$			
						$y=$	$\lambda$			
						$x=$	$\phi$			
						$y=$	$\lambda$			
						$x=$	$\phi$			
						$y=$	$\lambda$			
						$x=$	$\phi$			
						$y=$	$\lambda$			
						$x=$	$\phi$			
						$y=$	$\lambda$			
COMPUTED BY				DATE		COMPUTATION CHECKED BY	J. R. Minton	DATE	5/7/68	
LISTED BY	A. C. Rauck, Jr.			DATE		LISTING CHECKED BY		DATE		
HAND PLOTTING BY				DATE		HAND PLOTTING CHECKED BY		DATE		

## COMPILATION REPORT

T-13172

31. DELINEATION:

The Wild B-8 plotter and graphic methods were used, the latter for the northeast quadrant of the manuscript.

The photography was adequate.

32. CONTROL:

See Photogrammetric Plot Report dated April 1968.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are inapplicable. Drainage was compiled from the photographs, uninspected.

35. SHORELINE AND ALONGSHORE DETAILS:

The shoreline and the alongshore details were compiled from office interpretation of the photos, as was the lower low water line, compiled in part.

36. OFFSHORE DETAILS:

No statement.

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.



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39. JUNCTIONS:

This manuscript joins T-13171 to the west and T-13169 to the north. The east and south limits are in Shelikof Strait.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with USGS Quadrangle MT. KATMAI (A-1) ALASKA, dated 1951 and scale of 1:63,360.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with NOS Chart 8556, scale 1:350,000, 3rd edition, dated October 23, 1967.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

*Charles E. Blood*  
*for*

B. Wilson  
Cartographic Technician  
May 26, 1971

Approved:

*Charles E. Blood*  
*for*

Albert C. Rauck, Jr.  
Chief, Coastal Mapping Division, AMC

## ADDENDUM TO THE COMPILATION REPORT

T-13172

FIELD EDIT

Field edit was adequate. All questions were answered. The following discrepancies were noted:

1. The foul limits indicated by the field editor on the film ozalid differ from those he showed on the photographs. The photographs were used to compile the foul limits.
2. The field editor gives a height of 7 ft. (20202, 6/16/75) for an islet already compiled (154 13' 29", 58 8' 50"), on the film ozalid, on the photograph he applies the same data to a slightly different position. The islet was left on the manuscript with no height data, and a new rock was compiled as indicated on the photograph.

JDR  
6/28/76

GEOGRAPHIC NAMES

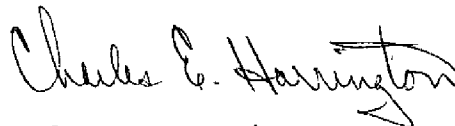
FINAL NAME SHEET

PH-6709 (Shelikof Strait, Alaska)

T-13172

Cape Kuliak  
Kuliak Bay  
Shelikof Strait

Approved:



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

## FIELD EDIT REPORT

Map T-13172

Cape Kuliak, Alaska

June - July, 1975

Field edit of map T-13172 was done by Lt(jg) Gulley during June and July, 1975. Field inspection of the area was done at various stages of the tide by skiff and on foot.

METHOD

Photographs and a copy of the field edit ozalid were examined in the field. The MHWL was corrected when found in error. All field edit data and corrections are noted on the film ozalid, paper ozalid and photographs. All times are based on GMT.

ADEQUACY OF COMPILATION

Compilation of this map is good. The MHWL was corrected where necessary.  
Note:

-A reef was found at  $58^{\circ}08.33'N$ ,  $154^{\circ}11.82'W$ . Refer to boat sheet H-9522 and photo 27 Jul 67L4567.

-A rock was found at  $58^{\circ}08.99'N$ ,  $154^{\circ}13.61'W$ . See film ozalid & photo 27 Jul 67L4567.

-A rock does exist at  $58^{\circ}11.24'N$ ,  $154^{\circ}14.57'W$ . See film ozalid.

-Two rocks were noted as "existence doubtful" on the manuscript. One was found at  $58^{\circ}11.01'N$ ,  $154^{\circ}12.96'W$ ; the other was not found after a thorough search. See photo 11 Jul 67L4269.

Incorrectly identified features were corrected on the photographs. Field inspection of this map is complete.

RECOMMENDATIONS

It is recommended that this map be revised in accordance with the notes on the ozalid and photographs, and that the map be accepted as an advance manuscript.

## FIELD EDIT REPORT

Cape Ilktugitak to Douglas Reef, Alaska

OPR - 478

Summer 1975

Introduction

Field edit reports are attached for the following Job PH-6709 maps:

T-13155 through T-13175, and T-13177

Manuscript T-13176 was not field edited since the survey area did not include Dakavak Bay.

Copies of the field edit ozalids were taken into the field. All notes were made on these field ozalids. The matte ratio prints were used as a last resort in the field when the field ozalid did not provide enough information. The matte ratio prints were found to be of poor quality, very grainy and lacking clarity. These photographs were also hard to handle in the field because of paper curl and stiffness. The cronapaques were of slightly better quality (in clarity and definition) than the matte ratio prints, but they still left a lot to be desired because of their graininess.

Another problem encountered with these photographs was the stage of the tide at the time of photography. Many of the rocks shown on the manuscripts could not be found on the photographs because the tide was too high in these photographs. It would be of great help to have photographs taken at a lower tidal stage.

Apparently color photographs of the area are available. However, none were furnished. Color photographs are far superior to black and white photographs in clarity and definition, and with the added feature of color, are of greater value to the field editor. It is highly recommended that color photographs be furnished in the future.

Compilation of the maps is generally good. All notes were made in violet ink on the ozalids and cronapaques, with deletions in green ink and references to hydrography in red ink. All heights of rocks were estimated by the field editor. Where required, the MHWL was located by measuring distances from photoidentifiable points, as noted on the photographs. All times are based on G.M.T.

Turbid water (due to glacial runoff) in several bays of the project area made it difficult to locate some of the rocks and shoal areas. Due to

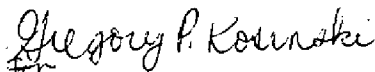
-2-

the vast amount of area and shoreline involved, and to the fact that all hydrography was electronically controlled, it was impractical to establish visual signals to be used for field edit. Therefore, the hydrographic launches, and their electronic positioning equipment, were utilized to locate detached positions.

The dashed line symbol on the field edit ozalid was found rather confusing, since it depicts three different features: the approximate MLWL, foul limits, and ledge limits.

It is recommended that these maps be revised in accordance with the notes on the ozalids and cronapaques and on the attached sheets before acceptance as advanced manuscripts. Field inspection of these maps is complete, except as noted on the individual reports.

Respectfully Submitted:

  
Joanne Gulley  
Lt(jg), NOAA

Approved and Forwarded:



Richard E. Alderman  
CDR, NOAA  
Commanding Officer,  
NOAA Ship FAIRWEATHER (MSS-20)

REVIEW REPORT  
SHORELINE

T-13172

61. GENERAL STATEMENT:

See the summary included with this Descriptive Report. The National Geodetic Survey readjusted the geodetic network in 1976. This map is based on a geodetic datum that existed prior to that adjustment.

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-9523, 1:10,000 scale, dated July 1975.

H-9522, 1:10,000 scale, dated July 1975.

There were no major conflicts.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with NOS chart 16576, 1:80,000 scale, dated November 16, 1985, 1st edition.

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*  
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Approved:

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