

T-13177

T-13177

NOAA FORM 76-35 (3-76)		
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY		
DESCRIPTIVE REPORT		
<i>Map No.</i> T-13177	<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		
LOCALITY		
<i>State</i> Alaska		
<i>General Locality</i> Shelikof Strait		
<i>Locality</i> Cape Ilktugitak		
<table border="1"><tr><td>1967 TO 1975</td></tr></table>		1967 TO 1975
1967 TO 1975		
REGISTRY IN ARCHIVES		
DATE		

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY TP. <u>13177</u>	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. (1)- Final Field	
				<input type="checkbox"/> RESURVEY		MAP CLASS Edited Map	
				<input type="checkbox"/> REVISED		JOB PH. <u>6709</u>	
PHOTOGRAMMETRIC OFFICE				LAST PRECEDING MAP EDITION			
Coastal Mapping Division, AMC, NORfolk, VA				TYPE OF SURVEY		JOB PH. _____	
OFFICER-IN-CHARGE				<input type="checkbox"/> ORIGINAL		MAP CLASS _____	
Jeffrey G. Carlen				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
				<input type="checkbox"/> REVISED		19__ TO 19__	
I. INSTRUCTIONS DATED							
I. OFFICE				2. FIELD			
Aerotriangulation 09/26/68 Compilation 05/06/68 Compilation 11/06/70				Premarking Feb 10, 1967			
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				4. GRID(S)			
Polyconic				STATE Alaska		ZONE 5	
5. SCALE 1:10,000				STATE		ZONE	
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY				I. Saperstein		Apr 1968	
METHOD: Analytic LANDMARKS AND AIDS BY				None			
2. CONTROL AND BRIDGE POINTS PLOTTED BY				A. Bethea		Aug 1968	
METHOD: Calcomp CHECKED BY				L. Van Scoy		Aug 1968	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				J. Minton		Aug 1968	
COMPILATION CHECKED BY				A. Rauck		Aug 1968	
INSTRUMENT: Wild B-8				CONTOURS BY		NA	
SCALE: 1:15,000 CHECKED BY				NA			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				J. Minton		Sep 1968	
METHOD: Smooth drafted CHECKED BY				C. Bishop		Sep 1968	
SCALE: 1:10,000				CONTOURS BY		NA	
HYDRO SUPPORT DATA BY				J. Minton		Sep 1968	
CHECKED BY				C. Bishop		Sep 1968	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				C. Bishop		Sep 1968	
6. APPLICATION OF FIELD EDIT DATA BY				J. Minton		Jun 1976	
CHECKED BY				A. Shands		Jun 1976	
7. COMPILATION SECTION REVIEW BY				A. Shands		Jun 1976	
8. FINAL REVIEW BY				C. Blood		Mar 1987	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				J. Byrd		Apr 1987	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY				P. Dampson		Aug 1987	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				E.L. DAUGHERTY		AUG 87	

T-13177

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC 9 "M" FL = 88.20mm Wild RC-8 "L" FL = 151.77mm		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED	TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY			ZONE Alaska MERIDIAN	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
67L(C)4508 - 4514	7/27/67	10:35	1:30,000	1.7 ft. above MLLW

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of mean high-water line was compiled from above listed photographs.

3. SOURCE OF MEAN LOWER LOW-WATER LINE:

The source of 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-13173	T-13174	No Survey	T-13176

REMARKS

None

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HISTORY OF FIELD OPERATIONS

1. FIELD INSPECTION OPERATION premarking FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	G. Short	July 1967
2. HORIZONTAL CONTROL RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	R. Kokosh	July 1967
	G. Short	July 1967
	R. Kokosh	July 1967
3. VERTICAL CONTROL RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA	
	NA	
	NA	
4. LANDMARKS AND AIDS TO NAVIGATION RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	None	
	None	
	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 paneled	2. VERTICAL CONTROL IDENTIFIED NA
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PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
67M 931	DAKAUAK, 1967		

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

HISTORY OF FIELD OPERATIONS

I. FIELD INSPECTION OPERATION FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Alderman	June 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	June 1975
7. BOUNDARIES AND LIMITS SURVEYED OR IDENTIFIED BY	NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED None	2. VERTICAL CONTROL IDENTIFIED NA
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PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (*Clarification of details*)
67L 4509, 4511, 4597

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
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7. SUPPLEMENTAL MAPS AND PLANS
None

8. OTHER FIELD RECORDS (*Sketch books, etc. DO NOT list data submitted to the Geodesy Division*)
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	Sep 1968	Class III manuscript Superseded	12/17/70	12/16/70
Field edit applied. Compilation complete	Jun 1976	Class I manuscript	08/23/77	08/04/76
Final Review	Mar 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: _____

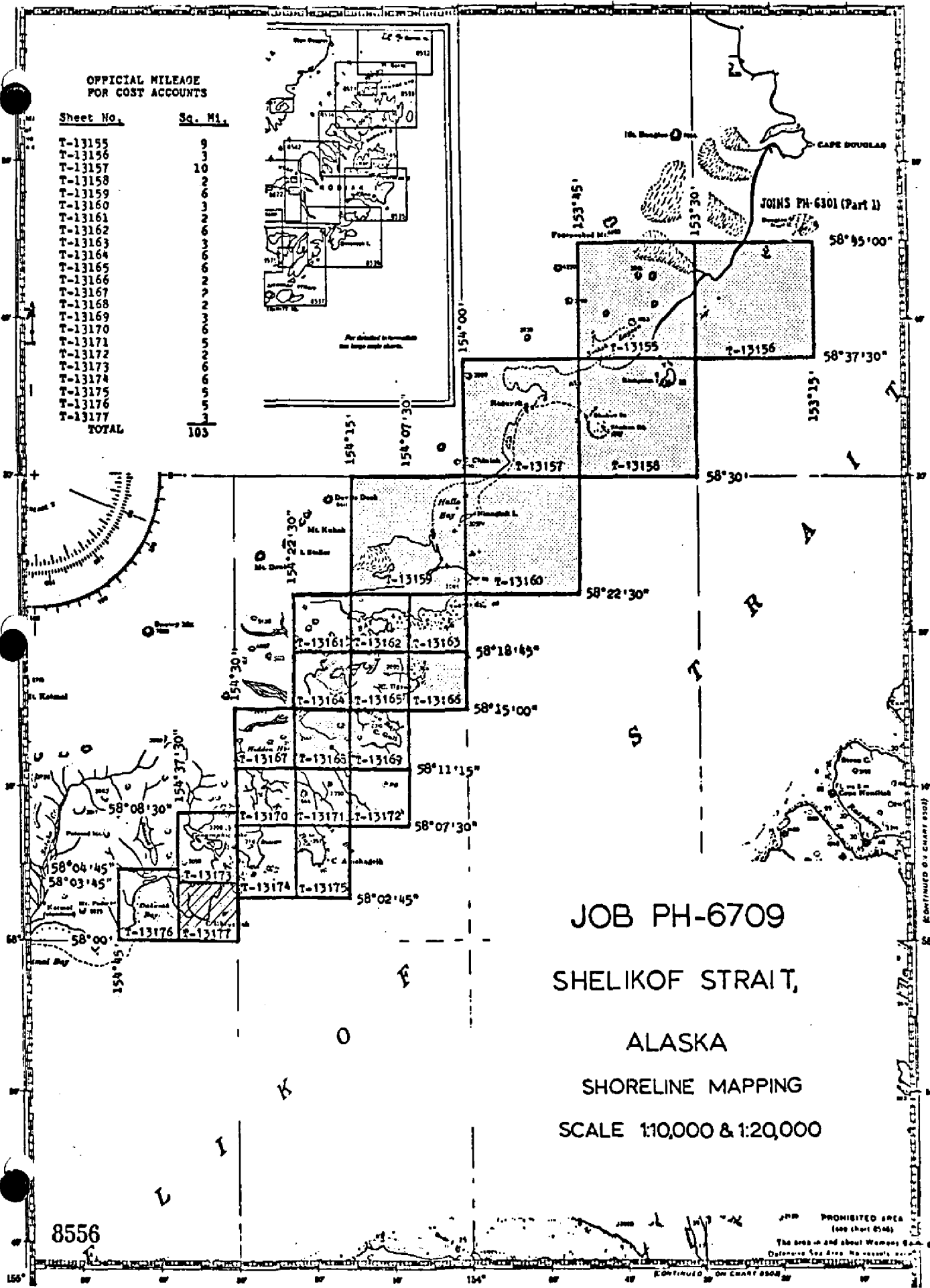
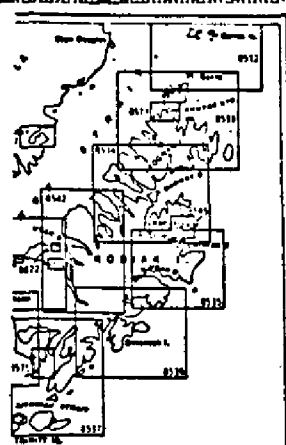
- III. FEDERAL RECORDS CENTER DATA
1. BRIDGING PHOTOGRAPHS; DUPLICATE BRIDGING REPORT; COMPUTER READOUTS.
2. CONTROL STATION IDENTIFICATION CARDS; FORM NOS ⁷⁶⁻⁴⁰ ~~567~~ SUBMITTED BY FIELD PARTIES.
3. SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:
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

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
TOTAL	103



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

8556

PROHIBITED AREA
 (see chart 5146)
 The area in and about Womens Bay
 is a Prohibited Area. No vessels
 are to be permitted to anchor or
 operate in this area.

CONTINUED ON CHART 8509

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

T-13177

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 September 1968.

Field edit was acquired for T-13177 during the 1975 field season. Field edit was applied at AMC in June 1976.

Final review was accomplished at the Atlantic Marine Center in March 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-13177

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.

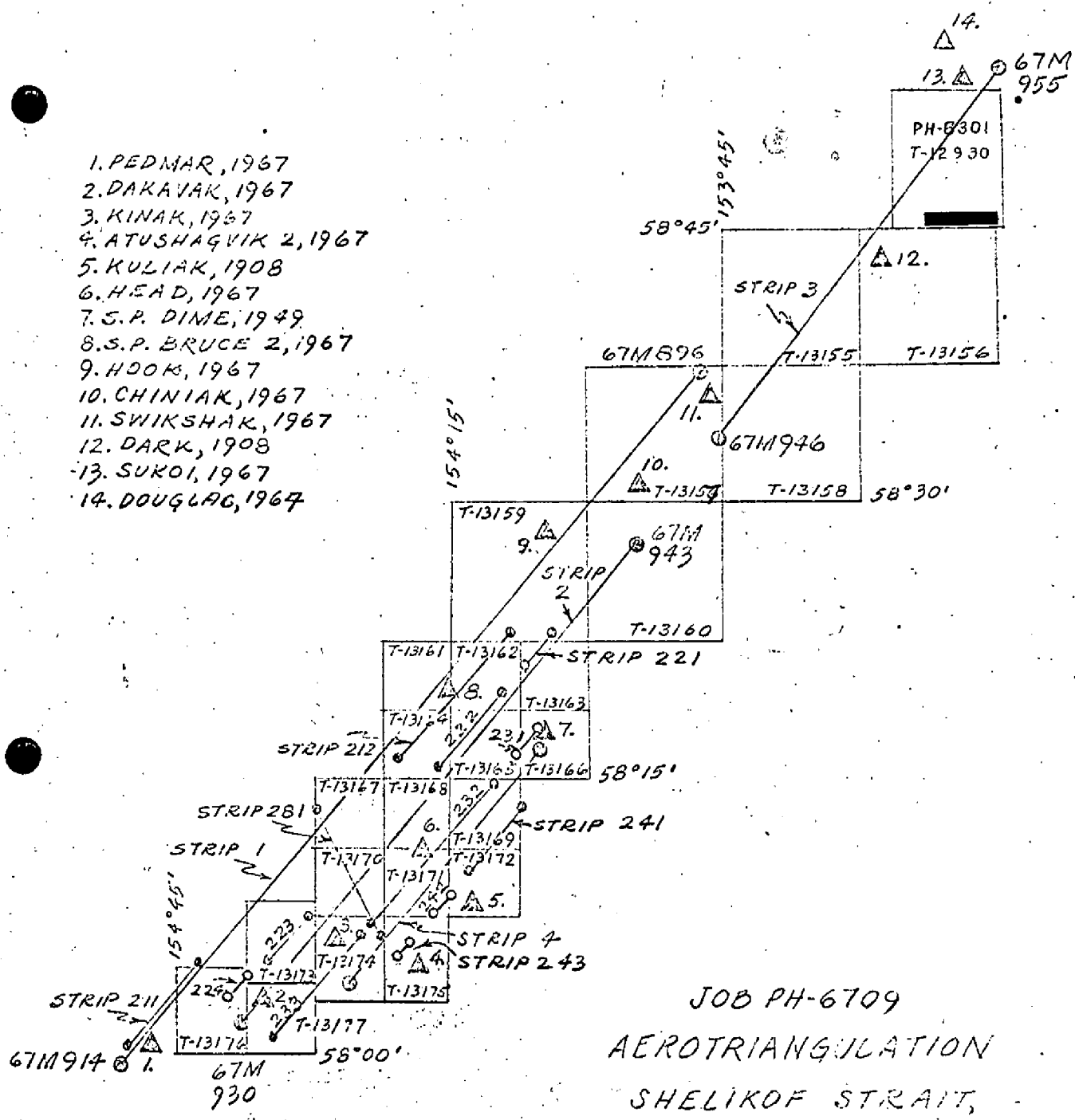
Respectively submitted,


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. CHINIYAK, 1967
- 11. SWIKSHAK, 1967
- 12. DARK, 1908
- 13. SUKOL, 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 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 $+0.84$ 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

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

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODEIC DATUM		COORDINATES IN FEET STATE ALASKA ZONE 5	GEOGRAPHIC POSITION		REMARKS
					PH-6709	N.A. 1927		ORIGINATING ACTIVITY	ϕ LATITUDE λ LONGITUDE	
T-13177	PH-6709									
		DAKAVAK, 1967	ADJ. I.B.M.					ϕ 58 01 44.310		1370.9 485.4
		ILKTUGITAK, 1908	ADJ. I.B.M.					λ 154 35 52.347		859.2 125.6
								ϕ 58 01 40.151		1242.2 614.1
								λ 154 31 33.928		556.9 427.9
								ϕ		
								λ		
								ϕ		
								λ		
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								λ		
								ϕ		
								λ		
								ϕ		
								λ		
								ϕ		
								λ		
COMPUTED BY					DATE	COMPUTATION CHECKED BY				DATE
LISTED BY	A. C. Rauck, Jr.				5/3/68	J. R. Minton				5/7/68
HAND PLOTTING BY					DATE	LISTING CHECKED BY				DATE
					DATE	HAND PLOTTING CHECKED BY				DATE

COMPILATION REPORT

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31. DELINEATION:

Delineation was by Wild B-8 stereoplotter.

Drill points 10312, 10320, and 12320 did not hold on photo 67L4510 and were removed from 67L4510. Substitute points dropped in the vicinity of these drill points held off in the same direction indicating a distorted photo and were also removed.

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 delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

There was no field inspection prior to compilation. Shoreline detail and the alongshore area were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS:

Offshore details were delineated from office interpretation of the photographs.

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:

Junctions have been made with 1:10,000 scale sheets T-13173, 13174, and 13176 to the north, east, and west respectively. There are no contemporary surveys to the south or below 58 02' 45" on the east.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

Comparison was made with USGS Quadrangle MT. KATMAI (A-2) ALASKA, dated 1951 and scale of 1:63,360.

47. COMPARISON WITH NAUTICAL CHARTS:

Comparison was 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

J. R. Minton
Cartographic Technician
September 12, 1968

Approved:

Charles E. Blood
for

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

ADDENDUM TO THE COMPILATION REPORT

T-13177

FIELD EDIT

Field edit was adequate except that the wreck (not visible on photography) at 58 01.6' N, 154 35.49' W is delineated as submerged wreckage.

GEOGRAPHIC NAMES

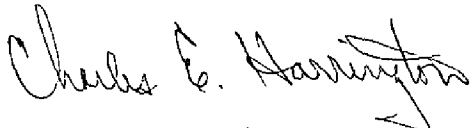
FINAL NAME SHEET

PH-6709 (Shelikof Strait, Alaska)

T-13177

Alaska Peninsula
Amalik Bay
Cape Ilktugitak
Shelikof Strait
Takli Island

Approved:



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

FIELD EDIT REPORT

Map T-13177

Cape Iktugitak, Alaska

June, 1975

Field edit of map T-13177 was done by Lt(jg) Gulley during June, 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. All field edit data and corrections are noted on the film ozalid or 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 the following:

- Two rocks were found: one at $58^{\circ}02.57'N$, $154^{\circ}33.13'W$, the other at $58^{\circ}02.54'N$, $154^{\circ}33.09'W$. See film ozalid and photo 27JUL67L4511.
- A rock was found at $58^{\circ}02.25'N$, $154^{\circ}33.27'W$. See photo 27JUL67L4511.
- A rock was found at $58^{\circ}01.9'N$, $154^{\circ}31.13'W$. See photo 27JUL67L4511.
- No rocks were found at low water in the vicinity of $58^{\circ}01.63'N$, $154^{\circ}31.8'W$ except within the ledge limits. See photo 27JUL67L4511.
- A rock was found at $58^{\circ}01.18'N$, $154^{\circ}35.1'W$. See photo 27JUL67L4511.
- The feature designated "rock awash" was not found at low water at $58^{\circ}01.24'N$, $154^{\circ}35.24'W$.
- The shallow area in the vicinity of $58^{\circ}01.55'N$, $154^{\circ}35.3'W$, consists of a sandy bottom with rock outcrops. One of the "rock awash" symbols found in this area (at $58^{\circ}01.6'N$, $154^{\circ}35.49'W$) is part of the wreckage of the GOLDEN FOREST (see Coast Pilot 9, page 126, lines 10-11/L) which bares at low water. See photo 27JUL67L4509.
- A rock was found at $58^{\circ}01.63'N$, $154^{\circ}36.93'W$. See film ozalid and photo 27JUL67L4509.

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

-2-

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

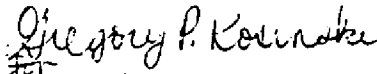
-2-

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-13177

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 Hydrographic Survey H-9519, 1:10,000 scale, dated June 6, 1977. There were no conflicts.

A contemporary Hydrographic Survey for the map area westward of longitude 154 35' west was not available for comparison when T-13177 was final reviewed.

65. COMPARISON WITH NAUTICAL CHARTS:

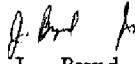
A comparison was made with the NOS chart 16576, 1:80,000 scale, dated November 16, 1985, 1st edition.

The chart compared well with this manuscript.

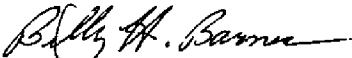
66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

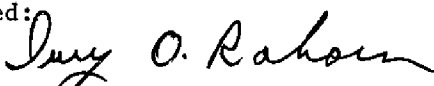
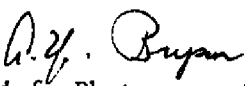
Submitted by:


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Final Reviewer

Approved for forwarding:


Billy H. Barnes
Chief, Quality Assurance Group, AMC

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Chief, Photogrammetric Productions Sec. 
Chief, Photogrammetry Branch

