

T-13159

T-13159

NOAA FORM 76-35 (3-76)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. T-13159	Edition No. 1
Job No. PH-6709	
Map Classification FINAL FIELD EDITED MAP	
Type of Survey SHORELINE	
LOCALITY	
State Alaska	
General Locality Shelikof Strait	
Locality Hallo Bay	
19 67 TO 19 75	
REGISTRY IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. <h3 style="text-align: center;">DESCRIPTIVE REPORT - DATA RECORD</h3>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>T-13159</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final Field</u> Edited Map JOB PH. <u>6709</u>								
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, AMC, Norfolk, VA OFFICER-IN-CHARGE Jeffrey G. Carlen		LAST PRECEDING MAP EDITION <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">TYPE OF SURVEY</td> <td style="width:50%;">JOB PH. _____</td> </tr> <tr> <td><input type="checkbox"/> ORIGINAL</td> <td>MAP CLASS _____</td> </tr> <tr> <td><input type="checkbox"/> RESURVEY</td> <td>SURVEY DATES:</td> </tr> <tr> <td><input type="checkbox"/> REVISED</td> <td>19__ TO 19__</td> </tr> </table>		TYPE OF SURVEY	JOB PH. _____	<input type="checkbox"/> ORIGINAL	MAP CLASS _____	<input type="checkbox"/> RESURVEY	SURVEY DATES:	<input type="checkbox"/> REVISED	19__ TO 19__
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									
<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Aerotriangulation</td> <td style="width:50%; text-align: right;">09/26/68</td> </tr> <tr> <td>Compilation</td> <td style="text-align: right;">05/06/68</td> </tr> <tr> <td>Compilation</td> <td style="text-align: right;">11/06/70</td> </tr> </table>	Aerotriangulation	09/26/68	Compilation	05/06/68	Compilation	11/06/70	Premarking Feb 10, 1967				
Aerotriangulation	09/26/68										
Compilation	05/06/68										
Compilation	11/06/70										
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	ZONE								
		Alaska	5								
5. SCALE		STATE	ZONE								
1:20,000											
III. HISTORY OF OFFICE OPERATIONS											
OPERATIONS		NAME	DATE								
1. AEROTRIANGULATION BY		I. Saperstein	Jun 1968								
METHOD: Analytic	LANDMARKS AND AIDS BY	None									
2. CONTROL AND BRIDGE POINTS PLOTTED BY	CHECKED BY	A. Bethea	Jun 1968								
METHOD: Calcomp		L. Van Scoy	Jun 1968								
3. STEREOSCOPIIC INSTRUMENT PLANIMETRY BY	CHECKED BY	L. Neterer, Jr.	Oct 1970								
COMPILATION		R. Pate	Oct 1970								
INSTRUMENT: Wild B-8 & graphically	CONTOURS BY	NA									
SCALE: 1:25,000	CHECKED BY	NA									
4. MANUSCRIPT DELINEATION PLANIMETRY BY	CHECKED BY	F. Margiotta	Nov 1970								
METHOD: Smooth drafted	CONTOURS BY	L. Beugnet	Dec 1970								
SCALE: 1:20,000	CHECKED BY	NA									
HYDRO SUPPORT DATA BY	CHECKED BY	F. Margiotta	Nov 1970								
		L. Beugnet	Dec 1970								
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	CHECKED BY	L. Beugnet	Dec 1970								
6. APPLICATION OF FIELD EDIT DATA BY	CHECKED BY	F. Margiotta	Jul 1976								
		C. Blood	Jul 1976								
7. COMPILATION SECTION REVIEW BY	CHECKED BY	C. Blood	Jul 1976								
8. FINAL REVIEW BY	CHECKED BY	C. Blood	Jan 1987								
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY	CHECKED BY	J. Byrd	Apr 1987								
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	CHECKED BY	P. Dempsey	July 1987								
11. MAP REGISTERED - COASTAL SURVEY SECTION BY	CHECKED BY	E.L. DAUGHERTY	AUG 87								

T-13159
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-9 "M" FL = 88.20mm Wild RC-8 "L" FL = 152.21mm		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 150th	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
67M(P) 941-943	7/11/67	09:30	1:60,000	1.3 ft below MLLW
67M(P) 898-901	7/11/67	08:54	1:60,000	0.5 ft below MLLW
67L(C) 4030-4036	7/10/67	08:57	1:40,000	1.0 ft below MLLW
67L(C) 4046-4052	7/10/67	09:17	1:40,000	2.1 ft below MLLW
67L(C) 4390-4391	7/13/67	11:08	1:40,000	0.6 ft below MLLW

REMARKS The 1:60,000 scale photography was used for compilation. The 1:40,000 scale photography is 80% overlapped, alternate photographs were processed for hydro support.

2. SOURCE OF MEAN HIGH-WATER LINE:

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

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

The mean low water line was compiled graphically.

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 no survey	EAST T-13160	SOUTH 1:10,000 scale T-13162 & T-13163	WEST No survey
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REMARKS

HISTORY OF FIELD OPERATIONS

1. FIELD INSPECTION OPERATION premarking FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	G. Short	June 1967
2. HORIZONTAL CONTROL	RECOVERED BY G. Boyack	June 1967
	ESTABLISHED BY G. Short	June 1967
	PRE-MARKED OR IDENTIFIED BY G. Boyack	June 1967
3. VERTICAL CONTROL	RECOVERED BY NA	
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
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	NA

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED 2. VERTICAL CONTROL IDENTIFIED
paneled NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
67M-900	HOOK, 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. <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		
	<input type="checkbox"/> SPECIFIC NAMES ONLY BY		
	<input checked="" type="checkbox"/> NO INVESTIGATION		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	G. Kosinski	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 4032, 4050, 4052, 4390			
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			

I. MANUSCRIPT COPIES			DATE MANUSCRIPT FORWARDED	
COMPILATION STAGES			MARINE CHARTS	HYDRO SUPPORT
DATA COMPILED	DATE	REMARKS		
Compilation complete pending field edit	Nov 1970	Class III manuscript	12/17/70	12/16/70
Field edit applied Compilation complete	Jul 1976	Class I manuscript	03/25/77	08/04/76
Final Review	Jan 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

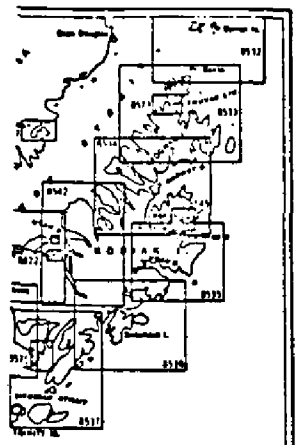
1. BRIDGING PHOTOGRAPHS; DUPLICATE BRIDGING REPORT; COMPUTER READOUTS.
 2. CONTROL STATION IDENTIFICATION CARDS; FORM NOS. 76-40 ~~567~~ SUBMITTED BY FIELD PARTIES.
 3. SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:
 4. DATA TO FEDERAL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

IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

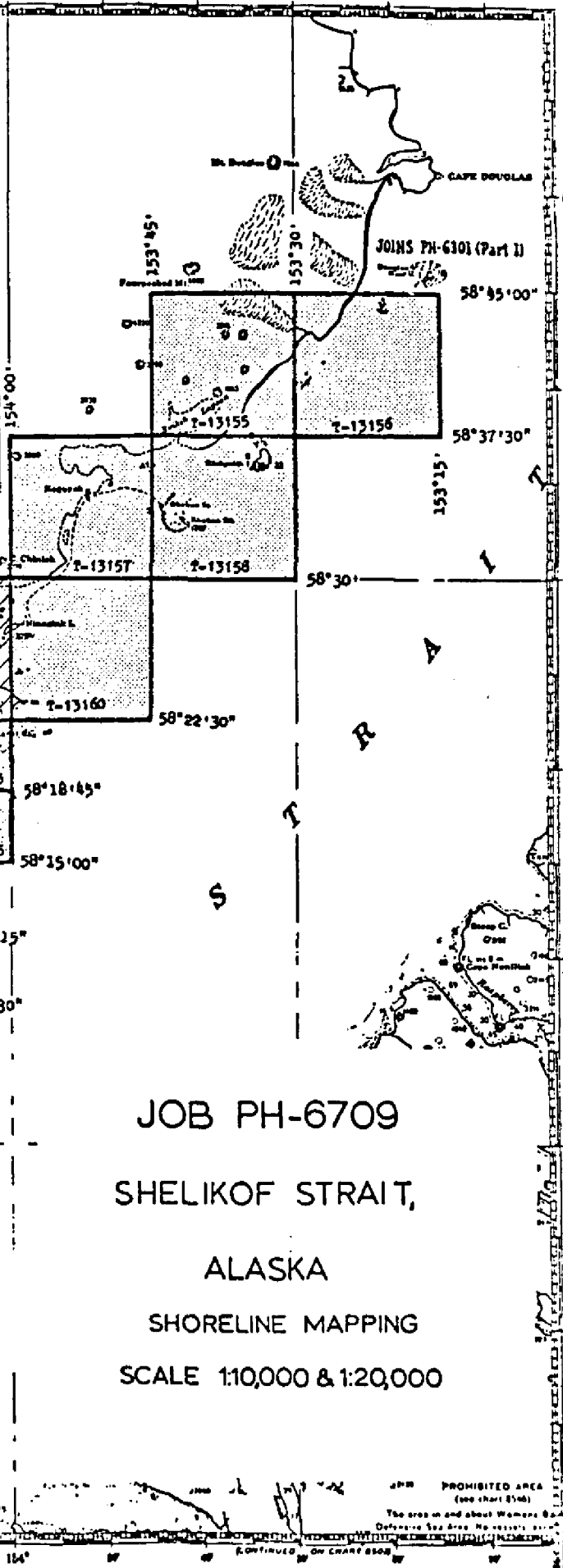
SECOND EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
	TP - _____ (2)	PH - _____	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS
			<input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
THIRD EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
	TP - _____ (3)	PH - _____	
	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	JOB NUMBER	TYPE OF SURVEY
	TP - _____ (4)	PH - _____	
	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	3
T-13159	3
T-13160	3
T-13161	3
T-13162	3
T-13163	3
T-13164	3
T-13165	3
T-13166	3
T-13167	3
T-13168	3
T-13169	3
T-13170	3
T-13171	3
T-13172	3
T-13173	3
T-13174	3
T-13175	3
T-13176	3
T-13177	3
TOTAL	103



For detailed information see larger scale charts.



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 is a Defense Sea Area. No vessels are permitted to enter.

Continued on chart 8508

Continued on chart 8508

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

T-13159

This 1:20,000 scale final shoreline map is one of twenty-three maps designated as 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 1:40,000 scale using color film.

Aerotriangulation was completed at the Washington Office in April 1968.

This map was compiled at the Norfolk Office in December 1970.

Field edit was acquired for T-13159 during the 1975 field season. Field edit was applied at AMC in July 1976.

Final review was accomplished at the Atlantic Marine Center in January 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-13159

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.

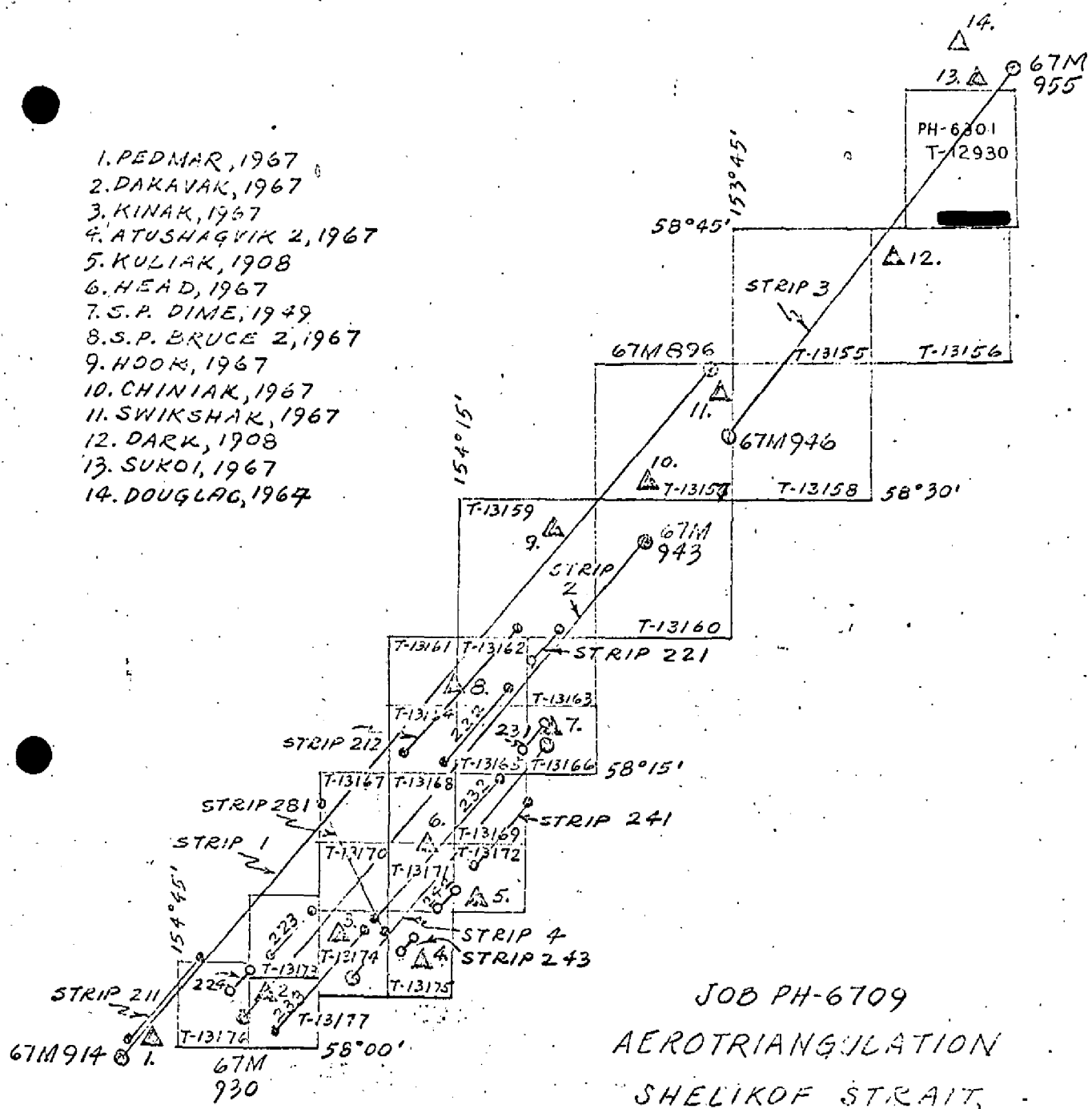
Respectively submitted,


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. DOUGLAC, 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 sealed 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
 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 ✓

COMPILATION REPORT

T-13159

31. DELINEATION:

Most of the detail on this map was delineated with the Wild B-8, using diapositives of the "M" photography taken in July 1967. The quality of this photography was poor. Points common to the 1:40,000 scale photo-hydro support photographs were dropped.

Foul areas and the mean lower low water line were delineated graphically from office interpretation of the 1:20,000 ratio prints of the 1:40,000 scale photo-hydro support photography.

Photography was adequate.

32. CONTROL:

See Photogrammetric Plot Report dated April 1968.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours were inapplicable. Drainage was delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The mean high water line was delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS:

Ledges and foul were done graphically with the Wild B-8 plotter.

37. LANDMARKS AND AIDS:

There were no charted nonfloating aids or landmarks and none were noted during stereoscopic instrument compilation.

T-13159

38. CONTROL FOR FUTURE SURVEY:

None.

39. JUNCTIONS:

Junctions were made to the east with T-13160 and to the south with T-13162 and T-13163 (154 07'30"). There were no contemporary surveys to the north or west.

40. HORIZONTAL AND VERTICAL ACCURACY:

No Statement.

46. COMPARISON WITH EXISTING MAPS:

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

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with 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:

Frank P. Margiotta
Frank P. Margiotta
Cartographic Aid
October 27, 1970

Approved and forwarded:

Charles E. Blood
for

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

ADDENDUM TO THE COMPILATION REPORT

T-13159

FIELD EDIT

Field edit is adequate.

18
JAN 14 1987

GEOGRAPHIC NAMES

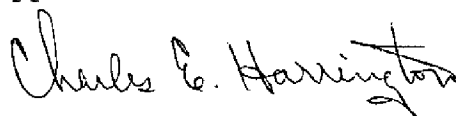
FINAL NAME SHEET

PH-6709 (Shelikof Strait, Alaska)

T-13159

Alaska Peninsula
Cape Nukshak
Hallo Bay
Hallo Creek
Hook Creek
Ninagiak Island
Ninagiak River

Approved:



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

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:

Gregory P. Kourinski
Joanne Gulley
Lt(jg), NOAA

Approved and Forwarded:


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

FIELD EDIT REPORT

Map T-13159

Hallo Bay, Alaska

July, 1975

Field edit of map T-13159 was accomplished by Lt(jg) Gulley and Ens. Kosinski during 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 paper field edit ozalid were examined in the field. The shoreline was corrected on the photos and mylar ozalid where it was found to have changed or was in error. All field edit data and corrections are noted on the photographs, film ozalid, paper ozalid, or are included in the hydrographic records for H-9543 (OPR-478-FA-75). All times are GMT. Violet ink was used to annotate features, red ink used as reference to hydrographic records.

ADEQUACY OF COMPILATION

Compilation of this map is good. The MHWL and MLLWL were corrected when found in error. Special notes:

-High and low water lines are constantly changing in the vicinity of the mouth of Hallo Creek and are substantially different from the time the photographs were taken. Refer to photo 13 July 67L4390.

-Hallo Bay, west of $154^{\circ}02'00''W$ and north of $58^{\circ}28'00''N$, is extremely shallow and an approximate revised shallow water limit is noted on the map.

RECOMMENDATIONS

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

REVIEW REPORT
SHORELINE

T-13159

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-9543, 1:20,000 scale, date of hydrography 1975.

There were no conflicts.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following NOS charts:

16608, 1:80,000 scale, dated February 26, 1983, 1st edition.
16603, 1:30,000 scale, dated September 24, 1983, 6th edition.

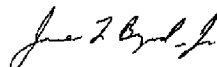
The charts compared well with this manuscript.

T-13159

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

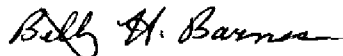
This map complies with the Project Instructions, and meets the requirements for National Standards of Map Accuracy.

Submitted by:



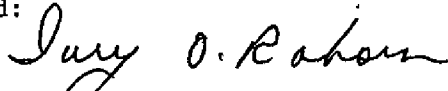
James L. Byrd, Jr.
Final Reviewer

Approved for forwarding:

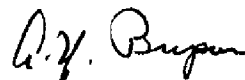


Billy H. Barnes
Chief, Quality Assurance Group, AMC

Approved:



Chief, Photogrammetric Productions Sec.



Chief, Photogrammetry Branch

