

T-13171

T-13171

<b>NOAA FORM 76-35</b> (3-76)	
<b>U.S. DEPARTMENT OF COMMERCE</b> NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<b>DESCRIPTIVE REPORT</b>	
<i>Map No.</i> T-13171	<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> Missak Bay	
<div style="border: 1px solid black; padding: 5px; display: inline-block;">19 67 TO 19 75</div>	
<b>REGISTRY IN ARCHIVES</b>	
<b>DATE</b>	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY TP. <u>13171</u>	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. (1)	
				<input type="checkbox"/> RESURVEY		MAP CLASS <u>Final Field</u>	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, AMC, Norfolk, Virginia 23510				<input type="checkbox"/> REVISED		JOB <u>Edited Map</u> PH. <u>6709</u>	
				OFFICER-IN-CHARGE  Jeffrey G. Carlen			
				TYPE OF SURVEY		JOB PH. _____	
				<input type="checkbox"/> ORIGINAL		MAP CLASS _____	
				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
				<input checked="" type="checkbox"/> REVISED		19__ TO 19__	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation 09/26/67 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 METHOD: Analytic LANDMARKS AND AIDS BY				L. 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 COMPIATION CHECKED BY				L. Neterer		Apr 1971	
INSTRUMENT: Wild B-8				R. White		Apr 1971	
SCALE: 1:15,000				NA			
				NA			
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY				L. Neterer		May 1971	
METHOD: Smooth drafted				B. Wilson		Jun 1971	
SCALE: 1:10,000				NA			
				NA			
HYDRO SUPPORT DATA BY				L. Neterer		May 1971	
CHECKED BY				B. Wilson		Jun 1971	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				B. Wilson		Jun 1971	
6. APPLICATION OF FIELD EDIT DATA BY				C. Parker		Jun 1976	
CHECKED BY				L. Neterer		Jun 1976	
7. COMPILATION SECTION REVIEW BY				L. Neterer		Jun 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. L. DAUGHERTY		AUG '87	

T-13171  
**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		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) 4524-4529	7/27/67	10:40	1:30,000	1.6 ft above MLLW	
67L(C) 4567-4569	7/27/67	12:53	1:30,000	3.2 ft above MLLW	
67L(C) 4290-4291	7/11/67	11:06	1:30,000	2.3 ft above MLLW	
67M(P) 933-935	7/11/67		1:60,000	Not applicable	
67M(P) 1001-1004	7/27/67		1:60,000	Not applicable	
REMARKS					

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

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

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

The mean lower low waterline 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-13168	T-13172	T-13175	T-13170

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	June 1967
2. HORIZONTAL CONTROL RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None	
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 <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 None		2. VERTICAL CONTROL IDENTIFIED NA	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
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: <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 (Sketch books, etc. DO NOT list data submitted to the Geodesy Division) None			

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 ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None	
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 <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION		
6. PHOTO INSPECTION CLARIFICATION OF DETAILS BY	Thomas & 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

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)  
67L-4291, 4529, 4567

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 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	May 1971	Class III manuscript Superseded	7/6/71	4/2/75
Field edit applied. Compilation complete	July 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

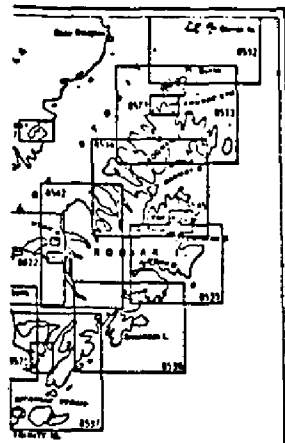
1.  BRIDGING PHOTOGRAPHS;  DUPLICATE BRIDGING REPORT;  COMPUTER READOUTS.  
 2.  CONTROL STATION IDENTIFICATION CARDS;  FORM NOS ~~607~~ <sup>76-40</sup> SUBMITTED BY FIELD PARTIES.  
 3.  SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:  
 4.  DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: \_\_\_\_\_

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

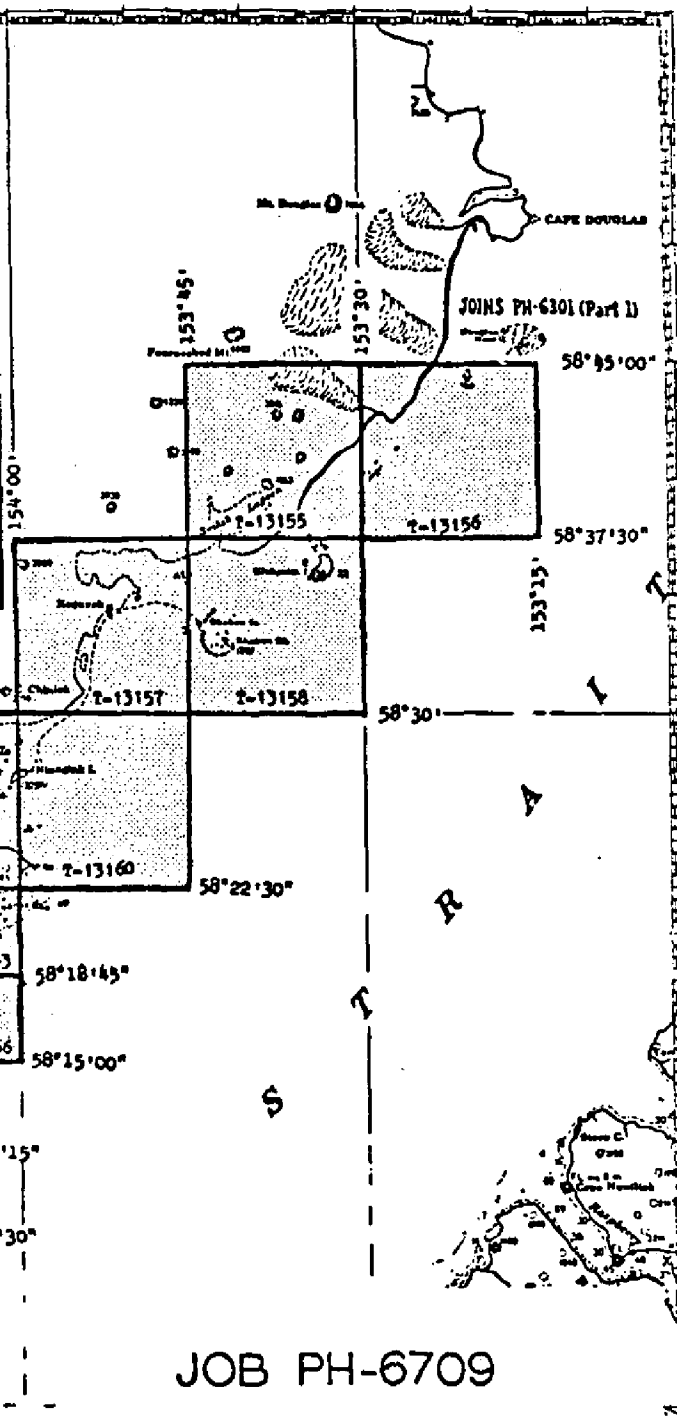
EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY	
	TP - _____ (2)	PH - _____	<input type="checkbox"/> REVISED	<input type="checkbox"/> RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS	
			<input type="checkbox"/> II.	<input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
THIRD EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY	
	TP - _____ (3)	PH - _____	<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	JOB NUMBER	TYPE OF SURVEY	
	TP - _____ (4)	PH - _____	<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	3
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>



For detailed information  
and large map sheets.



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

8556

PROHIBITED AREA  
 (See chart 6146)  
 The area in and about Wempe Bay  
 is a Defense Sea Area. No vessels or  
 aircraft are permitted to enter or  
 leave the area without the  
 permission of the Commanding  
 Officer, Naval Air Station, Kodiak, Alaska.

CONTINUED ON CHART 6709

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

T-13171

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 June 1971.

Field edit was acquired for T-13171 during the 1975 field season. Field edit was applied at AMC in June 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-13171

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

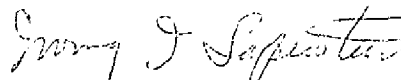
Vertical control needed for the adjustment was taken from USGS quadrangles.

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,



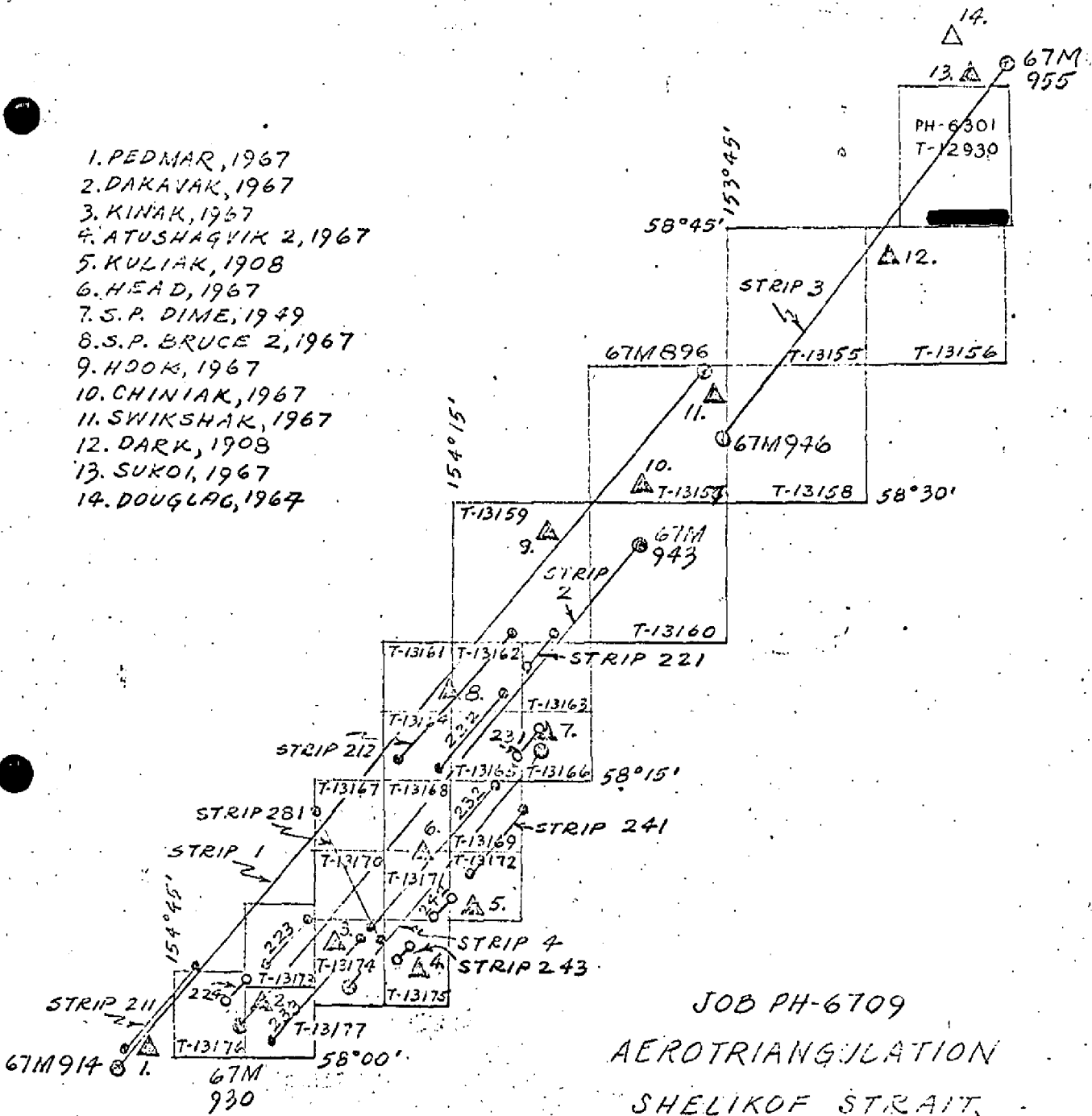
I. I. Saperstein

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. SUKOL, 1967
14. DOUGLAG, 1967



JOB PH-6709  
 AEROTRIANGULATION  
 SHELKOF 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.



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**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  $+0.84$  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

MAP NO. T-13171	JOB NO. PH-6709	COORDINATES IN FEET STATE Alaska ZONE 5	GEODETIC DATUM N.A. 1927	ORIGINATING ACTIVITY Division, AMC, Norfolk, VA
STATION NAME ROCK, 1967	SOURCE OF INFORMATION (index) ADJ. I.B.M.	AEROTRI- ANGULATION POINT NUMBER	φ LATITUDE λ LONGITUDE φ 58 10 20.882 λ 154 16 30.831	REMARKS <del>6461</del> 4240.3 <del>5040</del> 476.8
		x=	φ	
		y=	λ	
		x=	φ	
		y=	λ	
		x=	φ	
		y=	λ	
		x=	φ	
		y=	λ	
		x=	φ	
		y=	λ	
		x=	φ	
		y=	λ	
		x=	φ	
		y=	λ	
COMPUTED BY F. Margiott	DATE 7/18/68	COMPUTATION CHECKED BY L. O. Neterer, Jr.	DATE 7/18/68	
LISTED BY	DATE	LISTING CHECKED BY	DATE	
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE	

COMPILATION REPORT

T-13171

31. DELINEATION:

Compilation was done on the Wild B-8, using color photography taken July 11 and 27, 1967. 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 has been compiled from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The shoreline and the alongshore area were compiled from office interpretation of the photographs.

36. OFFSHORE DETAILS:

The offshore detail was compiled 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:

Satisfactory junctions have been made with T-13168 to the north, T-13172 to the east, T-13175 to the south, and T-13170 to the west.

40. HORIZONTAL AND VERTICAL ACCURACY:

Refer to the Item #32.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with USGS Quadrangles MT. KATMAI (A-1) and (A-2) ALASKA, both 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:

*Lowell O. Neterer, Jr.*  
Lowell O. Neterer, Jr.  
Cartographic Technician  
May 27, 1971

Approved:

*Charles E. Blood*  
*for*

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

## ADDENDUM TO THE COMPILATION REPORT

T-13171

FIELD EDIT

Field edit was adequate. All questions were answered.

JAN 14 1987

GEOGRAPHIC NAMES

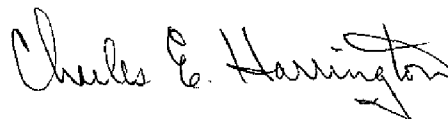
FINAL NAME SHEET

PH-6709 (Shelikof Strait, Alaska)

T-13171

Alaska Peninsula  
Kuliak Bay  
Missak Bay

Approved:



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

## FIELD EDIT REPORT

Map T-13171

Missak Bay, Alaska

June, 1975

Field edit of map T-13171 was done by Lt. Thomas and 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, 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:

- No individual significant rock exists as shown on the T-sheet at  $58^{\circ}10.78'N$ ,  $154^{\circ}16.9'W$ . That whole area consists of small rocks.
- The poor clarity and definition of the black and white photographs prevented any delineation of the marsh located at  $58^{\circ}11.0'N$ ,  $154^{\circ}17.5'W$ .

Field inspection of this map is complete.

RECOMMENDATIONS

It is recommended that the 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 Ikktugitak 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

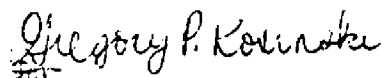
-2-

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-13171

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:

*James L. Byrd, Jr.*  
James L. Byrd, Jr.  
Final Reviewer

Approved for forwarding:

*Billy H. Barnes*

Billy H. Barnes  
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