

T-13163

T-13163

NOAA FORM 76-35 (3-76)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. T-13163	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 KUKAK POINT	
19 67 TO 19 75	
REGISTRY IN ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY

- ☒ ORIGINAL
☐ RESURVEY
☐ REVISED

SURVEY TP. T-13163

MAP EDITION NO. (1)

MAP CLASS Final Field
Edited Map

JOB PH. 6709

PHOTOGRAMMETRIC OFFICE

Coastal Mapping Division, AMC,
Norfolk, VA

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

1. 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 METHOD: Analytic	BY LANDMARKS AND AIDS BY	I. Saperstein None	Apr 1968
2. CONTROL AND BRIDGE POINTS METHOD: Calcomp	PLOTTED BY CHECKED BY	A. Berhea L. Van Scoy	Jun 1968 Jun 1968
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY CHECKED BY	R. White A. Shands	Sep 1968 Sep 1968
INSTRUMENT: Wild B-8 SCALE: 1:15,000	CONTOURS BY CHECKED BY	NA NA	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY CHECKED BY	R. White C. Bishop	Sep 1968 Dec 1970
METHOD: Smooth drafted & graphically	CONTOURS BY CHECKED BY	NA NA	
SCALE: 1:10,000	HYDRO SUPPORT DATA BY CHECKED BY	R. White C. Bishop	Sep 1968 Dec 1970
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	C. Bishop	Dec 1970
6. APPLICATION OF FIELD EDIT DATA	BY CHECKED BY	F. Margiotto J. Roderick	Jun 1978 Jan 1980
7. COMPILATION SECTION REVIEW	BY	J. Roderick	Jan 1980
8. FINAL REVIEW	BY	J. Byrd	Jan 1987
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	J. Byrd	Apr 1987
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	P. Dempsey	July 1987
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	E.L. DAUGHERTY	AUG '87

NOAA FORM 76-36B (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY			
T-13163 COMPILATION SOURCES					
1. COMPILATION PHOTOGRAPHY					
CAMERA(S) Wild RC8"L" FL=152.71mm Wild RC9"M" FL=88.20mm		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE ZONE Alaska MERIDIAN 150th	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
67L(C)4457 - 4461 67M(P) 939-941	7/27/67 7/11/67	10:27	1:30,000 1:60,000	1.8 ft. above MLLW Not applicable	
REMARKS					
2. SOURCE OF MEAN HIGH-WATER LINE:					
The mean high water line was compiled from Wild B-8 stereoplottter and graphically, from the above listed photographs.					
3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:					
The mean low lower water line was compiled graphically 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-13159	No Survey	T-13166	T-13162		
REMARKS					

NOAA FORM 76-36C
(3-72)

T-13163

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

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	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 (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 <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: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

None

NOAA FORM 76-36C
(3-72)

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(3-72)

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

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Alderman	Jul-Aug '75
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 (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 <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY: G. Kosinski	Jul-Aug '75
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 4457-4458-4459			
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) 1 Field edit ozalid 1 Field edit report Opr-478 FA 75			

NOAA FORM 76-36D
(3-72)T-13163 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
U. S. DEPARTMENT OF COMMERCE

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	12/17/70	07/26/71 04/02/75
Field edit applied. Compilation complete	Jun 1978	Class I manuscript	1/29/80	1/29/80
Final Review	Jan 1987	Final Map	June 1987	

II. LANDMARKS AND AIDS TO NAVIGATION None

I. 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 - 667-80 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: _____

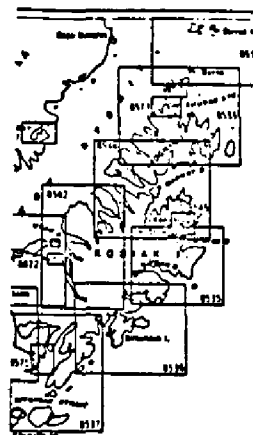
IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

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	

NOAA FORM 76-36D

OFFICIAL MILEAGE
FOR COST ACCOUNTS

Sheet No.	Sq. Mi.
T-13155	9
T-13156	10
T-13157	10
T-13158	10
T-13159	10
T-13160	10
T-13161	10
T-13162	10
T-13163	10
T-13164	10
T-13165	10
T-13166	10
T-13167	10
T-13168	10
T-13169	10
T-13170	10
T-13171	10
T-13172	10
T-13173	10
T-13174	10
T-13175	10
T-13176	10
T-13177	10
TOTAL	183



For detailed information
see larger scale charts.

CAPE DOUGLAS
JOINS PH-6301 (Part 1)

T-13155 T-13156
58°45'00" 58°37'30"

T-13157 T-13158
58°30' 58°22'30"

T-13159 T-13160
58°18'45" 58°15'00"

T-13161 T-13162 T-13163
58°11'15" 58°07'30"

T-13164 T-13165 T-13166
58°02'45" 58°00'00"

T-13167 T-13168 T-13169
58°00'00" 58°00'00"

T-13170 T-13171 T-13172
58°00'00" 58°00'00"

T-13173 T-13174 T-13175
58°00'00" 58°00'00"

T-13176 T-13177
58°00'00" 58°00'00"

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 Women's Bay
is a Defense Log Area. No vessels, aircraft,
or other craft are permitted to enter this area.

CONTINUED ON CHART 8546

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

T-13163

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 December 1970.

Field edit was acquired for T-13163 during the 1975 field season. Field edit was applied at AMC in January 1980.

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-13163

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.

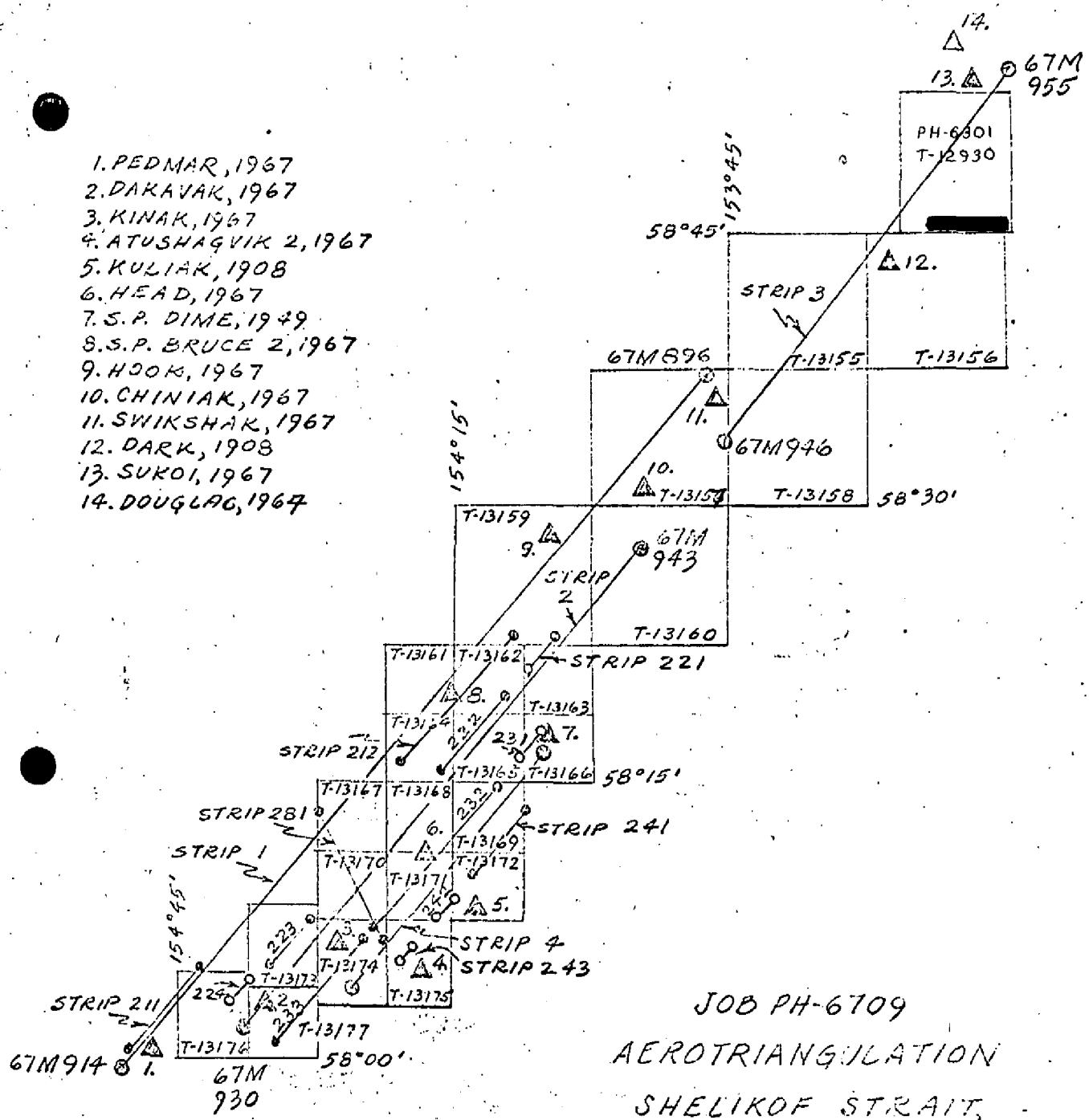
Respectively submitted,


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, MD. 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 II

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-13163

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter except for approximately the last 350 meters of shoreline in the northeast quadrant of the map. This area could not be reached in the model and was done graphically using ratios of the color photography. 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 using the Wild B-8.

35. SHORELINE AND ALONGSHORE DETAILS:

See item #31. The mean high water line, mean lower low water line, and all other details were compiled by office interpretation of the photographs.

36. OFFSHORE DETAILS:

No unusual problems were encountered in compiling offshore details.

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:

No statement.

T-13163

39. JUNCTIONS:

Junctions are in agreement with T-13159, scale 1:20,000 to the north; T-13162, scale 1:10,000 to the west, and T-13166, scale 1:10,000 to the south. There is no contemporary survey to the east.

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 USC & GS Chart 8667 KUKAK BAY, scale 1:30,000, 2nd edition, dated May 1967.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Charles E. Blood
for

Richard R. White
Cartographic Technician
September 11, 1968

Approved:

Charles E. Blood
for

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

GEOGRAPHIC NAMES

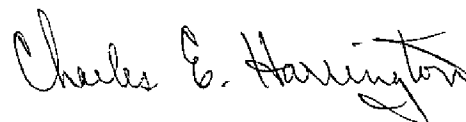
FINAL NAME SHEET

PH-6709 (Shelikof Strait, Alaska)

T-13163

Alaska Peninsula
Kukak Point
Little Beach
Shelikof Strait
Yugnat Rocks

Approved:



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

FIELD EDIT REPORT

Map T-13163

Kukak Point, Alaska

July - August, 1975

Field edit of map T-13163 was done by Ens. Kosinski and Lt(jg) Gulley during July and August, 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. All field edit data and corrections are noted on the photographs and master paper ozalid. Violet ink was used to annotate features, green to delete features currently charted but now of no value. All times are GMT.

ADEQUACY OF COMPILATION

Compilation of this map is good. The MHWL and MLLWL are excellent and need no correction. Some special notes:

-Many rocks denoted on the master paper ozalid by red penciled "*" were found in the field but could not be located on the photographs due to the poor quality of the photographs. Color photographs would greatly facilitate the field editor's task.

-Extensive foul areas exist off Kukak Point and the Yugnat Rocks. Refer to photographs 27 Jul 67L4457, 27 Jul 67L4458, 27 Jul 67L4459, and hydrographic records H-7822 (1949).

-Several rocks off shore of the Yugnat Rock group were not investigated thoroughly for the following reasons:

1. Poor quality black and white photos- most significant!
2. Lack of sufficiently low tides during the time available for investigation of this area.

Refer to the master paper ozalid for annotation; many rocks are depicted on H-7822.

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.

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

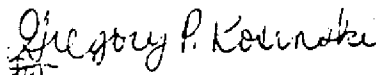
-2-

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.

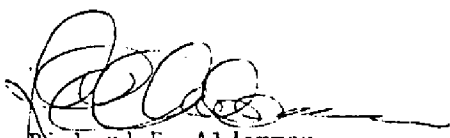
The dashed line symbol on the field edit ozalid was found rather confusing, since it depicts three different features: the approximate MLWL, foul limits, and ledge limits.

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-13163

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:

No contemporary Hydro Survey available at time of final review.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with NOS chart 16603, 1:30,000 scale, dated September 24, 1983, 6th 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.
Final Reviewer

Approved for forwarding:



Billy H. Barnes
Chief, Quality Assurance Group, AMC

Approved:



Chief, Photogrammetric Productions Sec. Chief, Photogrammetry Branch

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

[illegible]