### DESCRIPTIVE REPORT

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>T-13169</td>
<td>1</td>
</tr>
</tbody>
</table>

**Job No.**

PH-6709

**Map Classification**

FINAL FIELD EDITED MAP

**Type of Survey**

SHORELINE

**Locality**

State: Alaska  
General Locality: Shelikof Strait  
Locality: Cape Gull

**Date**

1967 TO 1975
**DESCRIPTIVE REPORT - DATA RECORD**

**PHOTOMETRIC OFFICE**

Coastal Mapping Division, AMC, Norfolk, Virginia

**OFFICER-IN-CHARGE**

Jeffrey G. Carlen

**I. INSTRUCTIONS DATED**

<table>
<thead>
<tr>
<th>1. OFFICE</th>
<th>2. FIELD</th>
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</thead>
<tbody>
<tr>
<td>Aerotriangulation 09/26/67</td>
<td>Premarking Feb 10, 1967</td>
</tr>
<tr>
<td>Compilation 05/06/68</td>
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</tr>
<tr>
<td>Compilation 11/06/70</td>
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</tbody>
</table>

**II. DATUMS**

1. **HORIZONTAL:**
   - **A 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

**III. HISTORY OF OFFICE OPERATIONS**

<table>
<thead>
<tr>
<th>OPERATIONS</th>
<th>NAME</th>
<th>DATE</th>
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</thead>
<tbody>
<tr>
<td>1. AEROTRIANGULATION</td>
<td>BY</td>
<td>NAME</td>
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<tr>
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<td>LANDMARKS AND AIDS BY</td>
<td>I. Saperstein</td>
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<td>2. CONTROL AND BRIDGE POINTS</td>
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<td>A. Bethea</td>
</tr>
<tr>
<td>METHOD: Calcomp</td>
<td></td>
<td>L. Van Scoy</td>
</tr>
<tr>
<td>3. STEREOSCOPIC INSTRUMENT</td>
<td>CHECKED BY</td>
<td>R. White</td>
</tr>
<tr>
<td>COMPOSITION</td>
<td>CONTURS BY</td>
<td>A. Shands</td>
</tr>
<tr>
<td>INSTRUMENT: Wild B-8</td>
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<td>4. MANUSCRIPT DELINEATION</td>
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<td>R. White</td>
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<tr>
<td>METHOD: Smooth drafted</td>
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<td>SCALE: 1:10,000</td>
<td>HYDRO SUPPORT DATA BY</td>
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<td>CHECKED BY</td>
<td>R. Pate</td>
<td>Mar 1971</td>
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<td></td>
<td>BY</td>
<td>L. Neterer</td>
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<tr>
<td>6. APPLICATION OF FIELD EDIT DATA</td>
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<td>CHECKED BY</td>
<td>F. Margiotta</td>
</tr>
<tr>
<td>7. COMPILATION SECTION REVIEW</td>
<td>BY</td>
<td>C. Blood</td>
</tr>
<tr>
<td>8. FINAL REVIEW</td>
<td>BY</td>
<td>J. Byrd</td>
</tr>
<tr>
<td>9. DATA FORWARD TO PHOTOGRAMMETRIC BRANCH</td>
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<td>10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH</td>
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<td>11. MAP REGISTERED - COASTAL SURVEY SECTION</td>
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**NOAA FORM 70-36A SUPERSEDES FORM CAG-181 SERIES**

* U.S. G.P.O. 1972-769382/582 REG.#6
1. COMPILED PHOTOGRAPHY

<table>
<thead>
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<th>NUMBER AND TYPE</th>
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ZONE: Alaska

2. SOURCE OF MEAN HIGH-WATER LINE:
The mean high water line was compiled from the above listed photographs.

3. SOURCE OF MEAN LOWER LOW-WATER LINE:
The mean lower low water line was compiled from the above listed photographs.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

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<thead>
<tr>
<th>SURVEY NUMBER</th>
<th>DATE(S)</th>
<th>SURVEY COPY USED</th>
<th>SURVEY NUMBER</th>
<th>DATE(S)</th>
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<tr>
<td>T-13165</td>
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<td>T-13172</td>
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5. FINAL JUNCTIONS

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<th>NORTH</th>
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<tr>
<td>T-13165</td>
<td>no survey</td>
<td>T-13172</td>
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REMARKS
None
### HISTORY OF FIELD OPERATIONS

1. **FIELD INSPECTION** OPERATION premarking  [ ] FIELD EDIT OPERATION

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<tr>
<td>1. CHIEF OF FIELD PARTY</td>
<td>G. Short</td>
<td>June 1967</td>
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<td>2. HORIZONTAL CONTROL</td>
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<td>4. LANDMARKS AND AIDS TO NAVIGATION</td>
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<td>4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED</td>
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<td>6. BOUNDARY AND LIMITS</td>
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<tr>
<td>7. SUPPLEMENTAL MAPS AND PLANS</td>
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</tr>
<tr>
<td>8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)</td>
<td>None</td>
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**NOAA FORM 76-36C (3-72)**

*U.S. GOVERNMENT PRINTING OFFICE: 1974 - 787-079*
HISTORY OF FIELD OPERATIONS

1. FIELD INSPECTION OPERATION

   1. CHIEF OF FIELD PARTY
      NAME: R. Alderman
      DATE: 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 (Triangulation Stations) BY: None
      LOCATED (Field Method) BY: None
      IDENTIFIED BY: None

   5. GEOGRAPHIC NAMES INVESTIGATION
      TYPE OF INVESTIGATION
      COMPLETE
      SPECIFIC NAMES ONLY
      NO INVESTIGATION

   6. PHOTO INSPECTION
      CLARIFICATION OF DETAILS BY: Gulley
      DATE: July 1975

   7. BOUNDARIES AND LIMITS
      SURVEYED OR IDENTIFIED BY: NA

II. SOURCE DATA

   1. HORIZONTAL CONTROL IDENTIFIED
      PHOTO NUMBER
      STATION NAME
      2. VERTICAL CONTROL IDENTIFIED
      PHOTO NUMBER
      STATION DESIGNATION

   3. PHOTO NUMBERS (Clarification of details)
      67L-4269, 4271, 4470, 4536, 4558, 4561

   4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
      PHOTO NUMBER
      OBJECT NAME
      1 Field edit ozalid
      1 Field edit: report

   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
## RECORD OF SURVEY USE

### 1. MANUSCRIPT COPIES

<table>
<thead>
<tr>
<th>DATA COMPILED</th>
<th>DATE</th>
<th>REMARKS</th>
<th>MARINE CHARTS</th>
<th>HYDRO SUPPORT</th>
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<tbody>
<tr>
<td>Compilation complete, pending field edit</td>
<td>Mar 1971</td>
<td>Class III manuscript</td>
<td>3/30/71</td>
<td>4/2/75</td>
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<tr>
<td>Field edit applied, Compilation complete</td>
<td>Jun 1976</td>
<td>Class I manuscript</td>
<td>1/11/80</td>
<td>8/4/76</td>
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<tr>
<td>Final Review</td>
<td>Feb 1987</td>
<td>Final Map</td>
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### 2. LANDMARKS AND AIDS TO NAVIGATION

None

### 3. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>CHART LETTER NUMBER</th>
<th>DATE FORWARDED</th>
<th>REMARKS</th>
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### 3. 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. Submitted by Field Parties.
3. Source Data (except for Geographic Names Report) as Listed in Section II. NOAA Form 76-36C.

### IV. SURVEY EDITIONS

(Section shall be completed each time a new map edition is registered)

<table>
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<th>SECOND EDITION</th>
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<td>PH - 19</td>
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<td>III, II, IV, V, Final</td>
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<td>DATE OF PHOTOGRAPH</td>
<td>DATE OF FIELD EDIT</td>
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<td>PH - 19</td>
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<td>DATE OF FIELD EDIT</td>
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<td>TP - 16-40</td>
<td>PH - 19</td>
<td>Revised</td>
<td>III, II, IV, V, Final</td>
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<td>DATE OF PHOTOGRAPH</td>
<td>DATE OF FIELD EDIT</td>
<td>Resurvey</td>
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</table>
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

T-13169

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 March 1971.

Field edit was acquired for T-13169 during the 1975 field season. Field edit was applied at AMC in July 1976.

Final review was accomplished at the Atlantic Marine Center in February 1987. A Chart Maintenance Print was prepared and forwarded to the Marine Charts Branch.

This Descriptive Report contains all pertinent information used to compile this Final Field Edited Map. The original base manuscript and all related data were forwarded to the Washington Science Center for final registration.
FIELD INSPECTION

T-13169

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
Sheilikof 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.

Respectfully submitted,

[Signature]
I. I. Saperstein

Approved and forwarded

[Signature]
Chief, Aerotriangulation Section
JOB PH-6709
AEROTRIANGULATION
SHELIKOF STRAIT,
ALASKA

△ Control used in adjustment
Ο Strips bridged analytically
● Strips bridged by Stereoplani-graph
○ Strips not bridged; models to be sealed using points from analytic bridge.
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 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/MOA22.

   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 photo-
      grammatic jobs. This action affected all geodetic stations used in
      these projects and resulted in an adjustment of approximately -0.02
      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. Immediate. A request has been made by N/CG24 for an updated copy of T-13176 before 4/7/83. 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
<table>
<thead>
<tr>
<th>STATION NAME</th>
<th>SOURCE OF INFORMATION (Index)</th>
<th>AEROTHROPOLOGICAL POINT NUMBER</th>
<th>COORDINATES IN FEET</th>
<th>GEOGRAPHIC POSITION</th>
<th>REMARKS</th>
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<td>GULL, 1908</td>
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<td>I.R.M.</td>
<td>$x=\phi$ 58 12 49.856</td>
<td>$\lambda$ 154 08 41.916</td>
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<td>SADDLE, 1967</td>
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<td>$y=\phi$ 58 11 53.660</td>
<td>$\lambda$ 154 11 01.388</td>
<td>1659.6 196.8</td>
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COMPUTED BY: A. C. Rauck, Jr. DATE: 5/3/68
COMPUTATION CHECKED BY: J. R. Minton DATE: 5/7/68
LISTED BY DATE
LISTING CHECKED BY DATE
HAND PLOTTING BY DATE
HAND PLOTTING CHECKED BY DATE
31. **DELINEATION:**
   Delineation was by Wild B-8 methods using the color photography of July 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 was compiled from office interpretation of the photographs.

35. **SHORELINE AND ALONGSHORE DETAILS:**
   The mean high water line, mean lower low water line, foul and ledge lines were compiled from office interpretation of the photographs.

36. **OFFSHORE DETAILS:**
   No statement.

37. **LANDMARKS AND AIDS:**
   There were no charted nonfloating aids or landmarks and none were noted during stereoscopic instrument compilation.

38. **CONTROL FOR FUTURE SURVEY:**
   None.
39. **JUNCTIONS:**

Junctions are in agreement with T-13172 to the south, T-13168 to the west, and T-13165 to the north. 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 (A-1) ALASKA, scale 1:63,360 dated 1951.

47. **COMPARISON WITH NAUTICAL CHARTS:**

A comparison has been made with NOS Chart 8667, scale 1:30,000, 2nd edition, May 29, 1967; and 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 C. Blood

for

Richard R. White
Cartographic Technician
March 5, 1971

Approved:

Charles C. Blood

for

Albert C. Rauck, Jr.
Chief, Coastal Mapping Division, AMC
ADDENDUM TO THE COMPILATION REPORT

T-13169

FIELD EDIT

Field edit was adequate.
GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6709 (Shelikof Strait, Alaska)

T-13169

Alaska Peninsula
Cape Gull
Kaflia Bay
Kuliak Bay
Shelikof Strait

Approved:

[Signature]

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

Map T-13169

Cape Gull, Alaska

June - July, 1975

Field edit of map T-13169 was done by Lt(jg) Gulley during June and July, 1975. Field inspection of the area was done at various stages of the tide by skiff and on foot.

METHOD

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

ADEQUACY OF COMPILATION

Compilation of this map is good with the exception of the junction between T-13169 and T-13172. It was found that the foul limit in the southeast corner of T-13169 failed to match the foul limit in the northeast corner of T-13172, and that there seemed to be two separate foul limits for this same area. Several changes have been made to the foul limits on this sheet. The MHWL was corrected where necessary.

Note:

-A submerged rock was found at 58°11.46'N, 154°11.29'W.

-A rock was found at 58°11.34'N, 154°09.51'W.

-Several patches of kelp were found in the vicinity of 58°13.4'N, 154°08.03'W.

-Due to the inaccessibility of the area near (58°14.65'N, 154°14.2'W) its classification could not be verified.

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

RECOMMENDATIONS

It is recommended that this map be revised in accordance with the notes on the ozalid and photographs and that the map be accepted as an advance manuscript.
FIELD EDIT REPORT
Cape Iliamna to Douglas Reef, Alaska

OPR - 478

Summer 1975

Introduction

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

T-13155 through T-13175, and T-13176

Manuscript T-13176 was not field edited since the survey area did not include Dakuak 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 cronapques 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 cronapques, 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 NNWL 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
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 MLML, foul limits, and lodge 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:

[Signature]

Joanne Gulley
Lt(jg), NOAA

Approved and Forwarded:

[Signature]

Richard E. Alderman
CDR, NOAA
Commanding Officer,
NOAA Ship FAIRWEATHER (MSS-20)
REVIEW REPORT
SHORELINE
T-13169

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-9524, 1:10,000 scale, date of survey July 1975;
H-9523, 1:10,000 scale, date of survey July 1975.

There were no conflicts.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following NOS charts:

16603, 1:30,000 scale, dated September 24, 1983; 6th edition;
16576, 1:80,000 scale, dated November 16, 1985, 1st edition.

The charts compared well with this manuscript.
66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted by:

J. H. P.

James L. Byrd, Jr.
Final Reviewer

Approved for forwarding:

Billy H. Barnes
Chief, Quality Assurance Group, AMC

Approved:

Jay O. Bohan
Chief, Photogrammetric Productions Sec.

O. N. Byrne
Chief, Photogrammetry Branch
**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.

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