# DESCRIPTIVE REPORT

**Map No.**
T-13168

**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**
Kuliak Bay, Head of

**DATE**
1967 TO 1975

**REGISTRY IN ARCHIVES**

---

*U.S. GOVERNMENT PRINTING OFFICE: 1976-669-248*
### Descriptive Report - Data Record

**Photogrammetric Office**
Coastal Mapping Division, AMC,
Norfolk, Virginia
Officer-in-Charge
Jeffrey G. Carlen

#### I. Instructions Dated

<table>
<thead>
<tr>
<th>Office</th>
<th>Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerotriangulation</td>
<td>09/26/67</td>
</tr>
<tr>
<td>Compilation</td>
<td>05/06/68</td>
</tr>
<tr>
<td>Compilation</td>
<td>11/06/70</td>
</tr>
<tr>
<td>Premarking</td>
<td>Feb 10, 1967</td>
</tr>
</tbody>
</table>

#### 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

#### III. History of Office Operations

<table>
<thead>
<tr>
<th>Operations</th>
<th>Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Aerotriangulation</td>
<td>J. Saperstein</td>
<td>Apr 1968</td>
</tr>
<tr>
<td>Method: Analytic</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>2. Control and Bridge Points</td>
<td>A. Bethea, R. Glaser</td>
<td>Jun 1968</td>
</tr>
<tr>
<td>Method: Calcomp</td>
<td>Checked by</td>
<td></td>
</tr>
<tr>
<td>3. Stereoscopic Instrument</td>
<td>R. White, A. Shands</td>
<td>Mar 1971</td>
</tr>
<tr>
<td>Compilation</td>
<td>Checked by</td>
<td></td>
</tr>
<tr>
<td>Instrument: Wild B-8</td>
<td>Contours by</td>
<td>NA</td>
</tr>
<tr>
<td>Scale: 1:15,000</td>
<td>Checked by</td>
<td>NA</td>
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<td>4. Manuscript Delineation</td>
<td>R. White, R. Pate</td>
<td>Mar 1971</td>
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<td>Method: Smooth drafted</td>
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<td>Scale: 1:10,000</td>
<td>Checked by</td>
<td>NA</td>
</tr>
<tr>
<td>5. Office Inspection Prior to Field Edit</td>
<td>R. Pate</td>
<td>Mar 1971</td>
</tr>
<tr>
<td>6. Application of Field Edit Data</td>
<td>C. Parker</td>
<td>May 1976</td>
</tr>
<tr>
<td>Method: Checked by</td>
<td>A. Shands</td>
<td>Jun 1976</td>
</tr>
<tr>
<td>7. Compilation Section Review</td>
<td>A. Shands</td>
<td>Jun 1976</td>
</tr>
<tr>
<td>Method: Checked by</td>
<td>C. Blood</td>
<td>Feb 1987</td>
</tr>
<tr>
<td>9. Data Forwarded to Photogrammetric Branch</td>
<td>D. Demosky</td>
<td>Aug 1987</td>
</tr>
<tr>
<td>10. Data Examined in Photogrammetric Branch</td>
<td></td>
<td></td>
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<tr>
<td>11. Map Registered - Coastal Survey Section</td>
<td>E.H. Daugherty</td>
<td>Aug 1987</td>
</tr>
</tbody>
</table>
T-13168
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

<table>
<thead>
<tr>
<th>Camera(s)</th>
<th>Wild RC 8&quot; L&quot; FL=151.77mm</th>
<th>Wild RC 9&quot; M&quot; FL=88.20mm</th>
</tr>
</thead>
</table>

**Tidal Stage Reference**
- [x] Predicted Tides
- [ ] Reference Station Records
- [ ] Tide Controlled Photography

**Types of Photography**
- [c] Color
- [p] Panchromatic
- [i] Infrared

**Time Reference**
- Zone: Alaska
- Meridian: 150th
- [x] Standard
- [ ] Daylight

<table>
<thead>
<tr>
<th>Number and Type</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>67L(C) 4529-4532</td>
<td>7/27/67</td>
<td>10:40</td>
<td>1:30,000</td>
<td>1.6 ft above MLLW</td>
</tr>
<tr>
<td>67M(P) 934-937</td>
<td>7/11/67</td>
<td>1:40</td>
<td>1:60,000</td>
<td>Not applicable</td>
</tr>
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</table>

**Remarks**

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.)

<table>
<thead>
<tr>
<th>Survey Number</th>
<th>Date(s)</th>
<th>Survey Copy Used</th>
<th>Survey Number</th>
<th>Date(s)</th>
<th>Survey Copy Used</th>
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5. FINAL JUNCTIONS

<table>
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<tr>
<th>NORTH</th>
<th>EAST</th>
<th>SOUTH</th>
<th>WEST</th>
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<tbody>
<tr>
<td>T-13164</td>
<td>T-13169</td>
<td>T-13171</td>
<td>T-13167</td>
</tr>
</tbody>
</table>

**Remarks**
**HISTORY OF FIELD OPERATIONS**

1. **FIELD-INSPECTION OPERATION**  
   - **Operation:** Premarking  
   - **Name:** NA  
   - **Date:** NA

2. **CHIEF OF FIELD PARTY**  
   - **Name:** G. Short  
   - **Date:** July 1967

3. **VERTICAL CONTROL**  
   - **Name:** R. Melby  
   - **Date:** July 1967

4. **LANDMARKS AND AIDS TO NAVIGATION**  
   - **Name:** NA  
   - **Date:** NA

5. **GEOGRAPHIC NAMES INVESTIGATION**  
   - **Type of Investigation:** NA

6. **PHOTO INSPECTION**  
   - **Clarification of Details:** NA

7. **BOUNDARIES AND LIMITS**  
   - **Surveyed or Identified by:** NA

---

**SOURCE DATA**

1. **HORIZONTAL CONTROL IDENTIFIED**  
   - **Photo Number:** 67M 1002  
   - **Station Name:** HEAD, 1967

---

**PHOTO NUMBERS (Clarification of details)**  
None

---

**LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED**  
None

---

**GEOGRAPHIC NAMES:**  
- **Report:** NA  
- **None**

**BOUNDARY AND LIMITS:**  
- **Report:** NA  
- **None**

---

**SUPPLEMENTAL MAPS AND PLANS**  
None

---

**OTHER FIELD RECORDS (Sketch books, etc.)**  
- **Note:** Data submitted to the Geodesy Division

1 Form 152
## HISTORY OF FIELD OPERATIONS

### 1. FIELD INSPECTION OPERATION

<table>
<thead>
<tr>
<th>Operation</th>
<th>Name</th>
<th>Date</th>
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<tbody>
<tr>
<td>CHIEF OF FIELD PARTY</td>
<td>R. Alderman</td>
<td>Jun 1975</td>
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### 2. HORIZONTAL CONTROL

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<th>Recovered By</th>
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### 3. VERTICAL CONTROL

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### 4. LANDMARKS AND AIDS TO NAVIGATION

<table>
<thead>
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<th>Recovered (Triangulation Stations)</th>
<th>Located (Field Methods)</th>
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### 5. GEOGRAPHIC NAMES

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<td>Gulley</td>
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### 7. BOUNDARIES AND LIMITS

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### II. SOURCE DATA

#### 1. HORIZONTAL CONTROL IDENTIFIED

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#### 3. PHOTO NUMBERS (Clarification of details)

67L-6529

#### 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

<table>
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#### 5. GEOGRAPHIC NAMES

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#### 6. BOUNDARY AND LIMITS

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<th>Report</th>
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<tr>
<td></td>
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</tbody>
</table>

#### 7. SUPPLEMENTAL MAPS AND PLANS

None

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

1 Field edit ozalid
1 Field edit report
## RECORD OF SURVEY USE

### I. 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>
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<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>May 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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### II. LANDMARKS AND AIDS TO NAVIGATION

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

<table>
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<th>NUMBER</th>
<th>CHART LETTER NUMBER</th>
<th>DATE FORWARDED</th>
<th>REMARKS</th>
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### III. FEDERAL RECORDS CENTER DATA

1. BRIDGING PHOTOGRAPHS; DUPLICATE BRIDGING REPORT; COMPUTER REAOUTS.
2. CONTROL STATION IDENTIFICATION CARDS; FORM NO. 569 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)

<table>
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<tr>
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<th>JOB NUMBER</th>
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<th>MAP CLASS</th>
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<table>
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<th>JOB NUMBER</th>
<th>TYPE OF SURVEY</th>
<th>MAP CLASS</th>
<th>REVISIONS</th>
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<tbody>
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</tr>
<tr>
<td>DATE OF PHOTOGRAPH</td>
<td>DATE OF FIELD EDIT</td>
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<table>
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<th>JOB NUMBER</th>
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<th>REVISIONS</th>
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<td>DATE OF PHOTOGRAPH</td>
<td>DATE OF FIELD EDIT</td>
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</table>
SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

T-13168

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-13168 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-13168

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.
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,

I. I. Saperstein

Approved and forwarded

Chief, Aerotriangulation Section
JOB PH-6709
AEROTRIANGULATION
SHELIDOF STRAIT,
ALASKA

△ Control used in adjustment
○ Strips bridged analytically
● Strips bridged by Stereophotograph
□ 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 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 adjust-
ment." 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 hydro-
graphic record for H-9887 and H-9896 through N/CG2321. It will be
necessary to prepare duplicate field records to remain with photo-
grammetric 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.

J. 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-13168  
**Job No.** PH-6709  
**Geodetic Datum** N.A. 1927  
**Originating Activity** Coastal Mapping Division, AMC, Norfolk, Virginia

<table>
<thead>
<tr>
<th>Station Name</th>
<th>Source of Information</th>
<th>Aerotriangulation Point Number</th>
<th>Coordinates in Feet</th>
<th>Geographic Position</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>HEAD, 1967</td>
<td>ADJ.</td>
<td>35100</td>
<td>( x = )</td>
<td>( \phi = 58 , 11 , 24.466 )</td>
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<td></td>
<td></td>
<td></td>
<td>( y = )</td>
<td>( \lambda = 154 , 17 , 38.970 )</td>
<td>1099.4</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**

---

*Supercedes NOAA Form 76-41, 2-71 Edition which is obsolete.*
COMPILATION REPORT

T-13168

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:**

All details were compiled from office interpretation of the photographs.

36. **OFFSHORE DETAILS:**

None.

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-13169 to the east and T-13171 to the south. There is no shoreline to affect a match to either the west or north.

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 Chart 8556, scale 1:350,000, 3rd edition, dated October 23, 1967.

**ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:**

None.

**ITEMS TO BE CARRIED FORWARD:**

None.

Submitted by:

Charles E. Blood

for

Richard R. White
Cartographic Technician
March 8, 1971

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-13168

Alaska Peninsula
Kuliak Bay

Approved:

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

Map T-13168

Head of Kuliak Bay, Alaska

June, 1975

Field edit of map T-13168 was done by Lt(jg) Gulley during June, 1975. Field inspection of the area was done at various stages of the tide by skiff and on foot.

METHOD

Photographs and a copy of the field edit ozalid were examined in the filed. The shoreline was corrected on the photographs where it was found to have changed or was 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. The MHWL was corrected when found in error. Incorrectly identified features were corrected on the photographs and film ozalid. Note:

-A rock outcrop exists at 58°11.57'N, 154°16.1'W.

-Two rocks were found (other than those already shown on the manuscript) inshore of the low water line at 58°11.28'N, 154°16.79'W.

-Two rock outcrops were found inshore of the low water line, one at 58°11.8'N, 154°16.57'W and the other at 58°11.47'N, 154°17.25'W.

Field inspection of this map is complete.

RECOMMENDATIONS

It is recommended that the map be revised in accordance with the notes on the photographs and ozalid, and that the map be accepted as an advance manuscript.
FIELD EDIT REPORT
Cape Iliktuat 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-13177

Manuscript T-13176 was not field edited since the survey area did not include Dukawak 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 MLWL 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 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:

[Signature]
Joanne Gulley
Lt(jg), NOAA

Approved and Forwarded:

[Signature]
Richard E. Alderman
CDR, NOAA
Commanding Officer,
NOAA Ship FAIRWEATHER (MSS-20)
REVIEWS REPORT
SHORELINE
T-13168

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 Hydrographic Survey 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 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.
Final Reviewer

Approved for forwarding:

Billy H. Barnes
Chief, Quality Assurance Group, AMC

Approved:

Chief, Photogrammetric Productions Sec.  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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