DESCRIPTIVE REPORT

T-13002                     1

Job No.
PH-6411

Map Classification
CLASS III (FINAL) (PARTIAL FIELD EDIT)

Type of Survey
SHORELINE

LOCALITY

State
ALASKA

General Locality
VALDEZ ARM

Locality
COPPER MOUNTAIN PENINSULA

1965 TO 19

REGISTERED IN ARCHIVES

DATE
### Descriptive Report - Data Record

**Photogrammetric Office**
Coastal Mapping Unit, Atlantic
Marine Center, Norfolk, VA

**Officer-in-Charge**
A. Y. Bryson, CDR

#### Instructions Dated

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Memo (Proj. Planning)</td>
<td>May 28, 1965</td>
</tr>
<tr>
<td>Aerotriangulation</td>
<td>Sept. 02, 1965</td>
</tr>
<tr>
<td>Aerotriangulation (Amend. I)</td>
<td>Oct. 11, 1965</td>
</tr>
<tr>
<td>Compilation (Suppl. I)</td>
<td>Nov. 09, 1965</td>
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<td>Compilation (Amend. I)</td>
<td>Feb. 07, 1966</td>
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<tr>
<td>Compilation (Amend. II)</td>
<td>Nov. 08, 1966</td>
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<tr>
<td>Compilation (Amend. II)</td>
<td>Jan. 09, 1967</td>
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<tr>
<td>Compilation (Suppl. II)</td>
<td>Feb. 07, 1972</td>
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#### Datums

1. **Horizontal:**
   - [ ] 1927 NORTH AMERICAN
   - [X] MEAN HIGH WATER
   - OTHER (Specify)

2. **Vertical:**
   - [ ] MEAN LOW WATER
   - [ ] MEAN LOWER LOW WATER
   - [ ] MEAN SEA LEVEL
   - OTHER (Specify)

3. **Map Projection**
   - Polyconic Projection

4. **Grids**
   - State: Alaska
   - Zone: 3

5. **Scale**
   - 1:10,000

#### History of Office Operations

<table>
<thead>
<tr>
<th>Operations</th>
<th>Name</th>
<th>Date</th>
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<tr>
<td>1. Aerotriangulation</td>
<td>W. Heinbaugh</td>
<td>Nov. 1965</td>
</tr>
<tr>
<td>Method: Stereoplanigraph</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landmarks and Aids by</td>
<td></td>
<td></td>
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<tr>
<td>2. Control and Bridge Points</td>
<td>A. Roundtree</td>
<td>Nov. 1965</td>
</tr>
<tr>
<td>Method: Corodomat (cordon)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plotted by</td>
<td></td>
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<tr>
<td>Checked by</td>
<td></td>
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<tr>
<td>3. Stereoscopic Instrument Compilation</td>
<td>B. Barnes</td>
<td>May 1966</td>
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<tr>
<td>Instrument: Kelsel</td>
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<tr>
<td>Planimetry by</td>
<td>L. O. Neterer, Jr.</td>
<td>May 1966</td>
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<tr>
<td>Checked by</td>
<td></td>
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<tr>
<td>Contours by</td>
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<td>Checked by</td>
<td>NA</td>
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<td>4. Manuscript delineation</td>
<td>K. Boyle</td>
<td>May 1966</td>
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<td>Planimetry by</td>
<td>C. Bishop</td>
<td>May 1966</td>
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<td>May 1966</td>
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<td>May 1966</td>
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<td>Contours by</td>
<td></td>
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<td>Checked by</td>
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<tr>
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<td>May 1966</td>
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<td>Hydro Support DATA by</td>
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<td>May 1966</td>
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<td>6. Application of field edit</td>
<td>C. Bishop</td>
<td>Nov. 1966</td>
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<td>Checked by</td>
<td></td>
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<td>7. Compilation section review Advanced Class III</td>
<td>A. C. Rauck</td>
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<td>Method: Final Class III</td>
<td>A. C. Rauck</td>
<td>Nov. 1966</td>
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<td>Checked by</td>
<td>J. Hancock</td>
<td>June 1984</td>
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<td>8. Final review</td>
<td>J. Hancock</td>
<td>Aug. 1984</td>
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<td>Checked by</td>
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<td>9. Data forwarded to photogrammetric branch</td>
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<td>Checked by</td>
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<td>10. Data examined in photogrammetric branch</td>
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</table>
### T-13002

#### COMPILATION SOURCES

##### CAMERAS

- **Wild RC-8 "L"** (L=152.21mm)

##### TIDE STAGE REFERENCE

- [X] PREDICTED TIDES
- [ ] REFERENCE STATION RECORDS
- [ ] TIDE CONTROLLED PHOTOGRAPHY

#### TYPES OF PHOTOGRAPHY LEGEND

- [C] COLOR
- [X] (P) PANCHROMATIC
- [I] INFRARED

#### TIME REFERENCE

- **ZONE**: Alaska
- **MERIDIAN**: 150th
- **STANDARD**: [X]
- **DAYLIGHT**: [ ]

<table>
<thead>
<tr>
<th>NUMBER AND TYPE</th>
<th>DATE</th>
<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
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<tr>
<td>65 L(P) 4421 thru 4424</td>
<td>7/06/65</td>
<td>09:40</td>
<td>1:30,000</td>
<td>4.3 feet above MLLW</td>
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**REMARKS**: Compilation/bridging photographs based on predicted tide data are referenced to Reference Station Cordova, Alaska and Subordinate Station Snug Corner Cove, Port Fidalgo, Alaska.

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

   The Mean High Water Line was compiled from office interpretation of the above listed compilation/bridging panchromatic photographs using stereo instrument methods.

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

   None compiled.

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>
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<th>DATE(S)</th>
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<tr>
<td>H-8901</td>
<td>Oct. 1966</td>
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5. **FINAL JUNCTIONS**

   - **NORTH**: T-12999
   - **EAST**: No survey
   - **SOUTH**: No survey
   - **WEST**: T-13001

**REMARKS**
**HISTORY OF FIELD OPERATIONS**

1. **FIELD INSPECTION OPERATION** (PREMARKING) [ ] FIELD EDIT OPERATION [ ]

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>NAME</th>
<th>DATE</th>
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</thead>
<tbody>
<tr>
<td>1. CHIEF OF FIELD PARTY</td>
<td>J. Watkins, Jr.</td>
<td>6/65</td>
</tr>
<tr>
<td>2. HORIZONTAL CONTROL</td>
<td>R. Melby</td>
<td>6/65</td>
</tr>
<tr>
<td>3. VERTICAL CONTROL</td>
<td>R. Melby</td>
<td>6/65</td>
</tr>
<tr>
<td>4. LANDMARKS AND AIDS TO NAVIGATION</td>
<td>None</td>
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</tr>
<tr>
<td>5. GEOGRAPHIC NAMES INVESTIGATION</td>
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<tr>
<td>6. PHOTO INSPECTION</td>
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<tr>
<td>7. BOUNDARIES AND LIMITS</td>
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**II. SOURCE DATA**

1. HORIZONTAL CONTROL IDENTIFIED

   Premarked (Paneled)

   PHOTO NUMBER: 65
   STATION NAME: L(P) 4421
   (sub pt. paneled)

2. VERTICAL CONTROL IDENTIFIED

   PHOTO NUMBER: 65
   STATION NAME: GO, 1914
   (sub pt. paneled)

3. PHOTO NUMBERS (Clarification of details)

   None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

   None

5. GEOGRAPHIC NAMES: NONE

6. BOUNDARY AND LIMITS: NONE

7. SUPPLEMENTAL MAPS AND PLANS

   None

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

   1 Form 152 (CSI Card), Field Report (2 pages)
## T-13002

**HISTORY OF FIELD OPERATIONS**

### 1. FIELD INSPECTION OPERATION

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>NAME</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHIEF OF FIELD PARTY (USCGS Ship Hodgson)</td>
<td>Comanding Officer</td>
<td>Aug. 1966</td>
</tr>
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</table>

### 2. FIELD EDIT OPERATION (Partial)

#### 2.1 HORIZONTAL CONTROL

- Recovered By: None
- Established By: None
- Pre-Marked or Identified By: None

#### 2.2 VERTICAL CONTROL

- Recovered By: NA
- Established By: NA
- Pre-Marked or Identified By: NA

#### 2.3 LANDMARKS AND AIDS TO NAVIGATION

- Recovered (Triangulation Stations) By: None
- Located (Field Methods) By: None
- Identified By: None

#### 2.4 GEOGRAPHIC NAMES INVESTIGATION

- Complete: None
- Specific Names Only: None
- No Investigation: NA

#### 2.5 PHOTO INSPECTION

- Clarification of Details By: None

#### 2.6 BOUNDARIES AND LIMITS

- Surveyed or Identified By: NA

### II. SOURCE DATA

#### 1. HORIZONTAL CONTROL IDENTIFIED

- None

#### 2. VERTICAL CONTROL IDENTIFIED

- None

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

- None

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

- None

#### 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 Geodasy Division)

- Paper Field Edit Print, Field Edit Report (remarks)
### I. MANUSCRIPT COPIES

<table>
<thead>
<tr>
<th>Compilation Stages</th>
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<th>Remarks</th>
<th>Marine Charts</th>
<th>Hydro Support</th>
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<td>Compilation complete, pending field edit</td>
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<td>Class III manuscript</td>
<td>June 1966</td>
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<td>Partial field edit applied. Compilation complete</td>
<td>Nov. 1966</td>
<td>Advanced Class III manuscript</td>
<td>Nov. 1966</td>
<td>Nov. 1966</td>
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<td>Final Review, Class III</td>
<td>June 1984</td>
<td>Final Class III Map</td>
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### II. LANDMARKS AND AIDS TO NAVIGATION
- NONE

### III. FEDERAL RECORDS CENTER DATA
1. BRIDGING PHOTOGRAPHS: ☑ DUPLICATE BRIDGING REPORT: ☑ COMPUTER READOUTS.
2. CONTROL STATION IDENTIFICATION CARDS; ☑ FORM NOS 557 SUBMITTED BY FIELD PARTIES.
3. SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
   ACCOUNT FOR EXCEPTIONS:

### IV. SURVEY EDITIONS
- Fourth Edition

<table>
<thead>
<tr>
<th>Survey Number</th>
<th>Job Number</th>
<th>Type of Survey</th>
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<tbody>
<tr>
<td>TP.</td>
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</table>

**NOTE:** This section shall be completed each time a new map edition is registered.
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT
T-13002

This 1:10,000 scale final Class III shoreline map is one of seventeen maps that comprise project PH-6411, Valdez Arm, Alaska. The project consists of two 1:20,000, three 1:5,000 and twelve 1:10,000 scale maps. The project originally pertained to the Port Valdez area but was extended south to include the east shore of Valdez Arm and Tatitlek Narrows.

The purpose of this map was to provide shoreline data in support of hydrographic operations.

This map portrays the southeast limit of Tatitlek Narrows and features the western shoreline of Copper Mountain Peninsula and Boulder Bay.

Photo coverage for this map was adequately provided by 1:30,000 scale panchromatic and 1:15,000 scale color photographs. All photography was taken July 6, 1965 with the RC-8 (L) camera. The panchromatic photographs were used for aerotriangulation, compilation, and photo-hydro support. The low altitude color photographs were used to assist the compiler in offshore interpretation.

Field work prior to compilation consisted of the recovery, establishment, and identification (premarking) of horizontal control necessary for aerotriangulation. Also, the field party was responsible for assisting in obtaining the aerial photography. This activity was performed in June/July 1965.

Analytic aerotriangulation was adequately provided by the Washington Science Center November 3, 1965. This activity also included ruling the base manuscripts and providing ratio photographs for compilation.

Compilation by interpretation of the 1:30,000 scale photographs was performed at the Coastal Mapping Section, Atlantic Marine Center, May 1966. Color contact photographs at 1:15,000 scale were used to assist in the interpretation of offshore features. Photo-hydro support data involving the original Class III manuscript was forwarded to the hydrographer.

Field edit was conducted August 1966 by the hydrographic party assigned to the USCGS Ship Hodgson. The area of field edit performed was limited to the parameters of hydrographic survey H-8901. This partial field edit data was returned to the Coastal Mapping office and applied to the manuscript in November 1966. A copy of the advanced Class III manuscript was forwarded to the hydrographic processing unit for smooth sheet application.

Final review was performed at the Atlantic Marine Center June 1984. A Chart Maintenance Print was prepared and forwarded to the Marine Chart Branch.

This Descriptive Report contains all pertinent information used to compile this Final Class III map. The original base manuscript and related data were forwarded to the Washington Science Center for final registration.
FIELD INSPECTION
T-13002

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery, establishment and identification (premarking) of the horizontal control necessary for the aerotriangulation of the project.
All horizontal control stations required for photo control were identified with the exception of CROMBLE, 1941 (T-12655). This station was on a high ridge still covered with considerable snow. Identification would probably have been doubtful. Station FILL (temporary) was established by tellurometer traverse and its substitute stations are identifiable on the same flight line of photographs that would cover CROMBLE. Station PIT (temporary) was determined by triangulation methods. Stations PIT and FILL replaces VALDEZ SOUTHEAST BASE, 1941 and VALDEZ NORTHEAST BASE, 1941.

Station WAS (temporary) (t-12655) was determined by triangulation intersection methods. Station SPIT 2 (temp.) was determined by triangulation methods to replace station SPIT, 1901.

Station HUT 3, 1965 was identified in lieu of station HUT 2 which was reported lost. The unadjusted field position was not available at the time of identification as the geodetic party had only recently occupied the station.

Submitted:

[Signature]
Robert B. Kelby

Approved:

[Signature]
John B. Watkins, Jr.
Chief of Party
Project 21423(11)
Tatilek Narrows, Alaska
June 1965

All horizontal control stations required for photo control were identified and paneled. Two new stations were located by triangulation intersection methods and six by closed loop tellurometer traverse.

Station MAS (temp.) was located and its position is submitted with the Valdez, Alaska field data, project 21423(4). The recovery note for HUT3, 1965 was also submitted with the Valdez field data.

Submitted:

Robert B. Melby

Approved:

John B. Watkins, Jr., CDR, C&GS
Comdg., Ship HODGSON
21. Area Covered

The project covers the east shore of Valdez Arm and all of Tatitlek Narrows area. The T-sheets in this area are: T-12991 through 12999 and T-13000 through T-13002.

22. Method

Six bridges were run on the stereoplanigraphs and adjusted by IBM 1620 methods. All tie points between strips were averaged. Tie points were also established in the area of Port Valdez Bay to be bridged at a later date.

23. Adequacy of Control

The premarked control provided was adequate with the exception of BUSBY, 1942. The panels at this station blended into the background on the black and white photograph and could not be seen. The overhang and shadows of trees also made it difficult to see Busby Island Lt., 1947, which was in the immediate vicinity of BUSBY, 1942.

Strip #12 was based on a three point solution using stations JACK, 1901, OVAL, 1965 and SLIM, 1965. Stations OVAL and SLIM were established with very small angles and no means of checking their accuracy was available. Although adjustment held all three stations with small errors of closure, an error may still exist in the area of Jacks Bay.

All additional control held within National Map Accuracy Standards for 1:10,000 scale mapping.

24. Supplemental Data

USGS Quads, Cordova D-8 and Valdez A-8, scale 1:63,360 were used to provide basic vertical control for bridging operations.

25. Photography

Photography was adequate in coverage, overlap and definition.
26. **Plotting Constants**

Plotting constants for 1:10,000 scale manuscripts were provided for all bridge points.

27. **Ratios**

Ratios for 1:10,000 scale photography were provided for all strips.

Submitted by:

Wallace Heinbaugh

Approved by:

John D. Perrow, Jr.

November 3, 1965
LEGEN

1. MAS, 1965 (Temp)
2. JACK, 1901
3. OVAL, 1965
4. SLIM, 1965
5. SIDE, 1901
6. ROCK, RM3, 1942
   ROCKY PT BM, 1947
7. LEAD, 1965
8. SOLO, 1965
9. BUSBY, 1942
10. PRESTON, 1901
11. ELLAMAR, 1965
12. REEF, 1942
13. OUT, 1901
14. BLIGHT, 1901
15. CENT, 1901
16. QO, 1914
17. MIST, 1965

TATITLEK HARBOUR, ALASKA

PH-6411
Nov. 1965
# Descriptive Report Control Record

<table>
<thead>
<tr>
<th>Station Name</th>
<th>Source of Information</th>
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<th>Coordinates in Feet</th>
<th>Geographic Position</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>COPPER, 1901</td>
<td>Quad 60146</td>
<td>P. 2</td>
<td>x= 385,851.62</td>
<td>φ</td>
<td>851.62</td>
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<td>y= 2,492,601.69</td>
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<td>2,601.69</td>
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<td>COPPER POINT GEOLOGICAL,</td>
<td>Quad 60146</td>
<td>P. 2</td>
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<td>λ</td>
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<td>GO, 1914</td>
<td>Quad 60146</td>
<td>P. 5</td>
<td>x= 387,067.01</td>
<td>φ</td>
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<td>y= 2,491,743.02</td>
<td>λ</td>
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<td>LAND, 1901</td>
<td>Quad 60146</td>
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<td>λ</td>
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<td>PEAK NO. 85, 1901</td>
<td>Quad 60146</td>
<td>P. 10</td>
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<td>y= 2,509,785</td>
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<td>PER, 1914</td>
<td>Quad 60146</td>
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<td>LO, 1914</td>
<td>G.P. Vol VI</td>
<td>P. 150</td>
<td>x= 60 49 29.305</td>
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<td>y= 146 36 52.901</td>
<td>λ</td>
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**Computed By:** ION  
**Date:** 5/19/66  
**Computation Checked By:** K. G. Boyle  
**Date:** 5/20/66  
**Listed By:**  
**Date:**  
**Hand Plotting By:**  
**Date:**  

Supersedes NOAA Form 76-41, 2-75 Edition Which Is Obsolete.
COMPILATION REPORT
T-13002

31 - DELINEATION

Delineation was accomplished using stereo instrument compilation methods. The Kelsh plotter was used to delineate shoreline, alongshore and interior detail based upon office interpretation of the 1:30,000 scale bridging/compilation panchromatic photographs.

All photographs used to compile this map are listed on NOAA Form 76-36B. The photography was adequate.

32 - CONTROL


33 - SUPPLEMENTAL DATA

Color contact photographs 65 L(C) 4605 - 4609 were provided at 1:15,000 scale were used to assist in the interpretation of alongshore and offshore detail.

34 - CONTOURS AND DRAINAGE

Contours are not applicable to this project. Drainage was compiled by office interpretation of the photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

The mean high water line was compiled from office interpretation of the compilation photographs. Shallow, ledge and foul limits were delineated as an aid to the hydrographer and should be evaluated during field edit.

No mean lower low water line was compiled due to the stage of tide of the compilation photographs being 4.3 feet above MLLW.

36 - OFFSHORE DETAILS

Offshore detail was compiled by instrument methods as described in item #31. Offshore rocks are to be verified by the field editor.

37 - LANDMARKS AND AIDS

There are no charted landmarks or navigational aids within the mapping limits of this manuscript.

38 - CONTROL FOR FUTURE SURVEYS

None.
39 - JUNCTIONS

Refer to the Data Record Form 76-368, Item 5.

40 - HORIZONTAL AND VERTICAL ACCURACY


46 - COMPARISON WITH EXISTING MAPS

A comparison was made with the following U.S. Geological Survey Quadrangle: Cordova (D-8), Alaska, dated 1952, scale 1:63,360; and Cordova (D-7), Alaska, scale 1:63,360, dated 1952.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following U.S. Coast and Geodetic Survey Chart: 8519, 8th edition, dated May 17, 1965, scale 1:79,291.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by,

[Signature]

K. Boyle
Cartographic Aid
May 1966

Approved,

[Signature]

Albert C. Rauck, Jr.
Chief, Coastal Mapping Unit, AMC
ADDENDUM TO THE COMPILATION REPORT - T-13002

Partial field edit was performed on this map in August 1966 in conjunction with hydrographic survey H-8901. The eastern shoreline of Copper Mountain Peninsula, east of Longitude 146°37.5', was not field edited.

All field edit data was recorded on the field edit paper print. Difficulty was encountered in deciphering the terminology used to record rock heights. Consequently, care was taken to show the most hazardous height that could be evaluated from the field edit print.
Chief, Photogrammetry Division

October 27, 1966

CFS236

Commanding Officer
USCGS Ship HODGSON

Field edit, project PH-6411

Submitted under separate cover are field edit ozalids and photographs for subject project.

You will note that not all of the area covered by its maps was edited. Only the area within the hydrographic survey project limits was accomplished.

Hydrographic signals were located by photogrammetric methods and transformed from the photographs to the cronoflex theme to the boat sheet. As per project instructions all of these locations were final. Cronoflex with these signals have been retained for use in plotting the smooth sheet.

It is requested that final shoreline for the smooth sheet, in the area edited, be furnished by January 15, 1967.

John B. Watkins, Jr.

CC: CFS2

* Al

IF YOU CAN'T MAKE THIS DATE
LET ME KNOW.

Al

11/2/66
Field edit notes are found on the field edit osaid attached. Field edit was made only within the area of the hydrographic survey, these limits are shown on the osaid.

The sunken rock from Chart 8519 was found at Lat. 60°50'50.5" Long. 146°33'56.5" and is awash at H.W. This data from E day, sheet HO-10-2-66.

All control recovery was accomplished during the 1965 field season and appropriate recovery cards submitted at that time.
REVIEW REPORT T-13002
SHORELINE

61. GENERAL STATEMENT

Final review for this final Class III map was accomplished at the Atlantic Marine Center in June 1984. For a schedule of the office and field operations, refer to the Summary included in this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with the following U.S.G.S. 1:63,360 scale quadrangles: Cordova (D-7), Alaska, dated 1952, and Cordova (D-8), Alaska, dated 1952.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with a registered copy of contemporary hydrographic survey H-8901, 1:10,000 scale, field surveyed October 1966.

Partial field edit of the shoreline map was accomplished by the hydrographer to that area common to the hydrographic survey limits. Field edit data was applied by the Coastal Mapping Section and a copy of the advanced Class III map was forwarded to the hydrographic processing office for smooth sheet application.

During the original compilation, various shallow, ledge and foul limits were delineated as advisory information to the hydrographer. Those areas not verified during field edit were removed from the manuscript during final review. Also, it was apparent that the terminology used by the field editor to reference rock heights is questionable. However, this data was accepted, as applied to the map and the hydrographic survey because of its minimal effect on the current 1:79,291 chart of the area.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with NOS Chart 16708, scale 1:79,291, 16th edition, dated October 3, 1981.

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,

[Signature]

Jerry L. Hancock
Final Reviewer
Approved for forwarding,

Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved,

Robert W. Godbold
Chief, Photogrammetric Section, Rockville

Ronald K. Brewer
Chief, Photogrammetry Branch
Rockville
June 11, 1984

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6411 (Valdez Arm - Tatitlek Narrows, Alaska)

TP-12382
TP-13002

Bidarka Point
Boulder Bay
Copper Mountain Peninsula
Landlocked Bay
Port Fidalgo

Approved by:

Charles E. Harrington
Chief Geographer
Nautical Charting Division
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 Re

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FORM C&GS-8252 SUPERSEDES ALL EDITIONS OF FORM C&GS-975.