## DESCRIPTIVE REPORT

**Shoreline**

Type of Survey: ..................................................

Job No. ..........................................................

Classification No. Final Map  Edition No. ..........................

**LOCALITY**

State: ..........................................................

Cook Inlet

General Locality: ..................................................

Kalgin Island to Anchorage

Locality: ..........................................................

West Foreland, North of

1966 TO 1976

**REGISTRY IN ARCHIVES**

Date: ..........................................................

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901
**DESCRIPTIVE REPORT - DATA RECORD**

**PHOTOGRAMMETRIC OFFICE**
Coastal Mapping Division
Atlantic Marine Center, Norfolk, VA

**OFFICER-IN-CHARGE**
Jeffrey G. Carlen, Cdr.

### I. INSTRUCTIONS DATED

<table>
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<tr>
<th>OFFICE</th>
<th>FIELD</th>
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<tbody>
<tr>
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<td>Field 6/6/66</td>
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<tr>
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<td>Supplement 1 8/8/66</td>
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### III. HISTORY OF OFFICE OPERATIONS

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<tr>
<td>1. Aerotriangulation</td>
<td>P. Hawkins</td>
<td>4/67</td>
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<tr>
<td>Method: Stereoplanigraph</td>
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<td></td>
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<tr>
<td>Langmarks and Aids by</td>
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<td></td>
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<tr>
<td>2. Control and Bridge Points</td>
<td>L. O. Neterer, Jr.</td>
<td>11/73</td>
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<tr>
<td>Method: Coordinategraph</td>
<td>C. Blood</td>
<td>11/73</td>
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<td>Compilation</td>
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<td>3/74 11/73</td>
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<td>4. Manuscript Delineation</td>
<td>R. White</td>
<td>3/74</td>
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<td>Method: Smoothdrafted</td>
<td>G. R. Vanderhaven</td>
<td>3/74</td>
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<td>3/74</td>
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<td></td>
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<td>6. Application of Field Edit Data</td>
<td>J. Roderick</td>
<td>12/76</td>
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<td>F. Margiotta</td>
<td>12/76</td>
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<td>7. Compilation Section Review</td>
<td>J. Byrd/C. Blood</td>
<td>7/86</td>
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<td></td>
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<tr>
<td>Checked by</td>
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<td>9. Data Forwarded to Photogrammetric Branch</td>
<td>P. Dempsey</td>
<td>Nov 7750</td>
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<td>E. L. Daugherty</td>
<td>Dec 76</td>
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### 1. Compilation Photography

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<tr>
<td>Wild RC-8&quot;T&quot;</td>
<td><strong>Legend</strong></td>
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<tr>
<td>Tide Stage Reference</td>
<td>(C) Color</td>
<td>Standard: X</td>
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<td>(P) Panchromatic</td>
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<td>(I) Infrared</td>
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<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
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<tr>
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<td>07:40</td>
<td>1:40,000</td>
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**Remarks**

### 2. Source of Mean High-Water Line:

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

### 3. Source of Mean Low-Water or Mean Lower Low-Water Line:

The mean lower low water line was delineated using all the above photographs.

### 4. Contemporary Hydrographic Surveys (List only those surveys that are sources for photogrammetric survey information.)

<table>
<thead>
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<th>Date(s)</th>
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<td>T-12038</td>
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**Remarks**
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<tbody>
<tr>
<td>1. CHIEF OF FIELD PARTY</td>
<td>A. Wardwell</td>
<td>4/61 - 7/61</td>
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<tr>
<td>2. HORIZONTAL CONTROL</td>
<td>G. Saladin</td>
<td>4/61 - 7/61</td>
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#### 5. GEOGRAPHIC NAMES

- COMPLETE
- SPECIFIC NAMES ONLY
- NO INVESTIGATION

#### 6. PHOTO INSPECTION

- CLARIFICATION OF DETAILS

#### 7. BOUNDARIES AND LIMITS

- SURVEYED OR IDENTIFIED

### II. SOURCE DATA

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<th>PHOTO NUMBER</th>
<th>STATION NAME</th>
<th>PHOTO NUMBER</th>
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<th>OBJECT NAME</th>
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#### 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.

None
## HISTORY OF FIELD OPERATIONS

### 1. FIELD INSPECTION OPERATION

<table>
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3. PHOTO NUMBERS (Clarification of details)

- None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

- None

5. GEOGRAPHIC NAMES: [ ] REPORT [x] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [x] NONE

7. SUPPLEMENTAL MAPS AND PLANS

- None

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

- None
# T-12039

## HISTORY OF FIELD OPERATIONS

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<tr>
<th>OPERATION</th>
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<tr>
<td>CHIEF OF FIELD PARTY</td>
<td>R. E. Alderman, CAPT, NOAA</td>
<td>8/76</td>
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## PHOTONUMBERS (Clarification of details)

- NA

## LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

- NA

## SUPPLEMENTAL MAPS AND PLANS

- None

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

- Raw Field Edit Data, OPR-469-FA-76, Vol. TWO
- Field Edit Reports, OPR-469-FA-76
- Field Edit Data, Map T-12039
- Field Edit Report, Map T-12039
- Field Edit Fix Computations, Map T-12039
# T-12039
## RECORD OF SURVEY USE

### I. MANUSCRIPT COPIES

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<th>REMARKS</th>
<th>MARINE CHARTS</th>
<th>HYDRO SUPPORT</th>
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<td>Class I manuscript</td>
<td>2/11/77</td>
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### II. LANDMARKS AND AIDS TO NAVIGATION

1. **REPORT TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH**

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<td>1</td>
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<td>aids for charts.</td>
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2. □ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: February 6, 1978

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 NUMBER 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)

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NOAA FORM 76-36D
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT
T-12039

This 1:20,000 scale Final shoreline map is one of 44 maps
designated as project PH-6013 Cook Inlet, Kalgin Island to Anchorage,
Alaska.

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 in the 1961 field season consisted
of recovery of horizontal control and limited field inspection. Field
work in 1966 consisted of premarking of horizontal control for future
aerotriangulation.

This area was photographed in August 1966 with the RC-8 "L" camera
using panchromatic film at 1:40,000 scale.

Aerotriangulation was performed in the Washington office in April

This map was compiled at the Norfolk office in March 1974.

Field edit was performed for T-12039 during the 1975 and 1976 field
seasons. Field edit data was applied at AMC in December 1976.

Final review was performed at the Atlantic Marine Center in July
1986. 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 Map. The original base manuscript and all related
data were forwarded to the Washington Science Center for final
registration.
FIELD INSPECTION

T-12039

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of the horizontal control necessary for the aerotriangulation of the project.
PHOTOGRAMMETRIC PLOT REPORT
Job PH-6013
Cook Inlet, Alaska

April 13, 1967

21. Area Covered

The area covered by this report extends from the Redoubt Bay-East Foreland area to Anchorage, Alaska. Included in this area are T-sheets 11996 thru 12001, 12009 thru 12012, 12018, 12019, 12021, 12025 thru 12030, 12038, 12039, 12042 thru 12044, 12047, 12048 and 12987.

22. Method

Five strips were bridged on the C-8 and C-5 stereoplanigraph. Strip #1 (66-L-6602 thru 6623) was adjusted on four triangulation stations with tie points used as checks. Strip #2 (66-L-6629 thru 6634) was adjusted on two triangulation stations plus tie points from Strip #1. Strip #3 (66-L-6641 thru 6653) was adjusted on three triangulation stations plus ties. Strip #4 (66-L-6667 thru 6677) was adjusted on three triangulation stations plus ties. Strip #9 (66-L-6713 thru 6725) was adjusted on three triangulation stations.

23. Adequacy of Control

The control, being premarked, was very good insofar as being able to see it clearly; however, in several cases, the 1:40,000 scale photography completely missed the stations. It should be noted that all strips were adjusted with minimum control, and as such, no positive proof can be provided that the adjustments are correct other than by means of tie points and residuals of adjustment. The tie points and residuals do indicate a good adjustment on all strips. Strip #4 had to be terminated at station SIT 1966 due to lack of control beyond this point. (Port McKenzie could not be seen on the 1:40,000 scale photography.) Attempts were made to provide a tie point for the terminal station on the east end of this strip by bridging three models south of Anchorage, dropping points onto Strip #4. This met with complete failure. Strip #6 had to be terminated on the southern end at station GRAY CLIFF 1909 since the station at East Foreland was not covered by the 1:40,000 scale photography.
24. Supplemental Data

Local USGS quads were used to provide vertical control used in the bridging adjustment.

The coverage of 1966 photography falls short of being sufficient to show the shallow mud areas which are near lower-lower water level in the area of the Susitna River Delta. To provide for the delineation of the limiting line of this feature, scale points have been selected which are common to 61K photography which does show the limiting line. Ratios of these photographs will be provided for the graphic delineation of the limiting line only. The compiler should select whatever additional points are necessary for correct delineation. A holiday exists on some of the shoreline along Strip #9. A flight of 60/4 photography provides coverage and three ratio photos were provided for compilation of this area.

All points on the bridged plates were drilled by PUG methods. Plate 66-L-6719 was broken after bridging. A new plate was provided but it does not contain any drilled points. It is suggested that the models on either side be compiled and pass points be dropped on this plate for compilation.

25. Photography

Photography was adequate as to definition and overlap but was not adequate as to coverage. The 1:40,000 scale photos did not cover either the shoreline or the marked control on the east end of Strip #4 or the southwest end of Strip #9. A portion of the shoreline along the part of Strip #9 which was bridged also lacks coverage.

Submitted by:

Paul Hawkins

Approved by:

John D. Perrow, Jr.
21. **Area Covered**

The area covered by this report is along the coast at West Pearl island Cook Inlet, Alaska. This area is covered by four 1:20,000 scale sheets TP-12038, TP-12039, TP-12043, and TP-12044.

22. **Method**

One strip of 1:40,000 scale panchromatic photography was bridged by analytic methods. Sketch #1 shows the flight line of the photography and the placement of the control used in this adjustment. This strip was adjusted in April 1967 but part of the bridging photography was lost. Points were transferred from the old bridge photography to this bridge using the same photography to control the northwest end of the strip. Data for plotting the points were furnished to AMC to be plotted by manual methods.

23. **Adequacy of Control**

The control was adequate.

24. **Supplemental Data**

The data from the 1967 bridge were used to control the northwest end of the strip.

25. **Photography**

The photography was adequate. Ratios were ordered on January 3, 1974.

Respectfully submitted,

Ivey O. Raborn

Approved and Forwarded:

John D. Perrow, Jr.
Chief, Aerotriangulation Section
COMPILATION REPORT
T-12039

31. **DELINEATION:**

Delineation was by the Wild B-8 stereoplotter, using 1:40,000 scale photography.

The limit of the tidal flats in the northwest corner of the map was delineated graphically.

32. **CONTROL:**

See the attached Photogrammetric Plot Report dated April 13, 1967.

33. **SUPPLEMENTAL DATA:**

None.

34. **CONTOURS AND DRAINAGE:**

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

35. **SHORELINE AND ALONGSHORE DETAILS:**

Alongshore details were delineated using the Wild B-8 stereoplotter and by office interpretation of the photographs.

The mean high water line was delineated from the photographs. The mean lower low water line was compiled from the low water photography.

36. **OFFSHORE DETAILS:**

None.

37. **LANDMARKS AND AIDS:**

No charted landmarks or aids were noted during compilation.
38. **CONTROL FOR FUTURE SURVEYS:**

None.

39. **JUNCTIONS:**

See the attached Form 76-36B; Item 5 of the Descriptive Report, concerning junctions.

40. **HORIZONTAL AND VERTICAL ACCURACY:**

No statement.

46. **COMPARISON WITH EXISTING MAPS:**

A comparison has been made with the following USGS Quadrangle: KENAI (D-5), ALASKA, scale 1:63,360, 1958.

47. **COMPARISON WITH NAUTICAL CHARTS:**

A comparison has been made with the following National Ocean Survey Chart: No. 8553 (Cock Inlet, Northern Part), scale 1:194,154, December 29, 1973, 15th Edition.

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

None.

**ITEMS TO BE CARRIED FORWARD:**

None.

Submitted by:

[Signature]

G. Vanderhaven
Cartographer
March 21, 1974

Approved:

[Signature]

Albert C. Rauck, Jr.
Chief, Coastal Mapping Section
GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6013 (Cook Inlet)

T-12039

Cook Inlet
Trading Bay

Approved by:

A. J. Wraith
Chief Geographer

Prepared by:

Frank W. Pickett
Cartographic Technician
FIELD EDIT REPORT
OPR-469-RA-1975

UPPER COOK INLET, TRADING BAY
ALASKA

T-12018 thru T-12019
T-12025 thru T-12027
T-12038

NOAA Ship RAINIER

CDR. Charles K. Townsend
Commanding
INTRODUCTION

The field edit of the Alaskan project, OPR-469-RA-75, Trading Bay, Upper Cook Inlet, was started on June 10, 1975 (J.D. 161) and completed on July 24, 1975 (J.D. 205). The manuscripts had been compiled without field inspection prior to compilation, therefore a complete and thorough field edit was done in the areas that were investigated. Work was carried out on shore and water.

Field edit began at North Foreland and continued southwest to the western edge of Trading Bay. All deletions, additions and corrections to be applied to the manuscripts appear on the T-sheets. All questions on the field edit ozalids were answered on the T-sheets. The T-sheet is an index of all field edit work performed. All field edit notes on the T-sheets which are in violet ink, are verified. Those in red ink are changes. The smooth boatsheets are also master indexes of field work accomplished. All notes on the boatsheets that are in black ink are verified, those in red ink are changes, blue ink signifies features that were not verified. Most of the field edit for this survey was accomplished by hydrographic methods due to the poor quality of the photographs for this area.

Height data on all rocks were estimated; plus or minus one foot. Times were referenced to 0° Longitude.

ADEQUACY OF COMPILATION

The compilation of the manuscripts was adequate and complete. Compilation of the MMFL was excellent where it was possible to verify.
The MLLW line agreed extremely well with hydrography. There are a few minor discrepancies due to resent construction, these are noted in the Shoreline Summaries. All rocks and offshore features are labeled on the T-sheets.

**POSITION CONTROL**

In many areas of Cook Inlet, such as Granite Point, it is impossible to verify rocks which are on the manuscripts or newly discovered ones, due to the abundance of rocks, without D.P.'s on each rock. Therefore the field edit in this survey received permission (refer to Correspondence in the Separates following the text) and made use of the super-high frequency (SHF) Motorola Mini-Ranger III (range-range system) for position control on detached positions. The system worked satisfactorily during the survey. Mini-Ranger stations were established on existing (BOULDER, 1909) or newly established triangulation stations of third order precision, (BRUCE, GRANITE, KING.) Stations BRUCE, GRANITE, and KING were traversed (closed) with T-2 Theodolites and with a CA-1000 Tellurometer. Refer to the Horizontal Control Report, OPR-469-RA-75, for specific procedures used in establishing these stations.

Daily calibration of the Mini-Ranger system was accomplished by using three-point sextant fixes or by static calibrations which were taken next to pilings 3, 4, and 5 (stations 123, 124, 125) at the North Foreland pier. Use of a signal strength indicator along with the daily calibrations, reaffirmed baseline calibration correctors,
which were used as the correctors for the electronic hydro positioning tapes throughout the survey. Refer to the Electronic Control Report, OPR-469-RA-75, for specifics on the Mini-Ranger III system.

The Mini-Ranger console, serial number 720, and Receiver/Transmitter unit, s/n 727, connected to a 24 volt system were arranged in a tin skiff (RAINIER skiff 2128), making it possible to take D.P.'s next to the rocks.

Each D.P. contains a fix and a check fix by using Mini-Ranger rates, Mini-Ranger and sextant, or three point sextant fixes. Each D.P. was processed by using the PDP 8/e computer and complot system on board the RAINIER, (s/n 1015, DP-3 5445-7 respectfully.) Program AM 602 was used to produce master tapes and corrector tapes from information in the sounding volume, while RK 211, 212, 214 & 215 were used to plot the data on the boatsheets. Each D.P. was plotted twice, once using the fix information, and the check fix was used to confirm the position. A few discrepancies were found due to Mini-Ranger busts or misidentified signals. These were resolved by evaluating the intersection of the M/R rates, comparison of the positions to other rocks and conservative positioning. For printouts of all D.P.'s refer to the Separates following the text.

All final positions were plotted on a field edit boatsheet and then transferred to the master index T-sheet and smooth boatsheets.

The final positions on the RA-20-38-75 boatsheet (field edit sheet), range from #28 thru #164. These correspond to positions #8028 to #8164 in the sounding volume. Only those D.P.'s which were not
duplicates of themselves nor duplicates of manuscript rocks, were kept and are listed in the Separates following the text.

SHORELINE SUMMARIES

T-12019

Field edit for OPR-469-RA-75 began at North Foreland, 61° 02' 58"N, 151° 09' 33"W. The area southwest of there was field edited and verified, everything northeast of this point was not.

The bluff at North Foreland has been cut away (61° 02' 54"N, 151° 09' 55"W to 61° 02' 43"N, 151° 10' 43"W) and this is now the site of the Tyonek Timber Company. A large company pier is being constructed as shown on the T-sheet. The shape and length of the pier was determined by positions obtained for the supporting pilings present at the time of the survey (88007-9, 8016-18,8023-25, 8158-160.) This is the field editor's interpretation of how the pier will appear when finished. It is recommended that construction plans be obtained from the company office in Anchorage, Alaska. Six mooring buoys used with the construction, has also been-plotted and it is recommended that these are not to be charted since they will probably be removed with the completion of the pier.

Due to the construction, North Foreland Light has been moved several times and it is still not permanently secured. A temporary position (61° 02' 51.616"N, 151° 09' 50.604"W) has been obtained by traverse methods, refer to the Horizontal Control Report, OPR-469-RA-75, for further information. However, it is recommended that the light be relocated when the construction is completed.
The MNWL has been verified northeast of 61° 00' 20"N, 151° 29' 33"W. Due to the inaccessibility of the MNWL southwest of this point, caused by the extensive mud and sand flats, this area was not field edited nor were any measurements from a photo identifiable object to the MNWL taken. Field Edit Ozalid Note 2 was unable to be fulfilled. This area extends onto T-12026, T-12025 and ends on T-12038.

The foreshore area was field edited and no rocks or dangers to navigation were found.

T-12026

The shoreline on this ozalid was also not verified as that mentioned under T-12027. The foreshore area was investigated at low water, no rocks were found which could be a hazard.

There were no cabins nor buildings of any landmark value found.

T-12025

The MNWL on this T-sheet has not been field edited (note summary for T-12027.) The foreshore area is void of any hazardous rocks, investigation was completed at low water.

T-12038

The unverified MNWL continues until 60° 50' 14"N, 151° 47' 50"W. There were no rocks considered a hazard to navigation, in the foreshore area. Measurements to the MNWL were not taken.
The shoreline between 61° 50' 14"N, 151° 47' 50"W to 61° 48' 50"N, 151° 46' 45"W, was field edited. In the approximate vicinity of 61° 48' 50"N, 151° 46' 45"W, there have been new additions including an airfield, an oil tank farm, a stack and a microwave tower which are of landmark value. The exact positions of these were not obtained.

61° 48' 50"N, 151° 46' 45"W is the limit of the field edit for OPR-469-RA-75; anything south of here is unverified.

RECOMMENDATIONS

In the vicinity of East, West and North Foreland, there are thirteen oil platforms. It is recommended as an aid navigation that each individual platform's name be added to the chart, as an assistance to any vessels in the area and as an aid to navigation. (Refer to Oil Platforms in the Separates following the text.)

It is also recommended that the stack and microwave tower on T-12038 be located as a nonfloating aid to navigation.

Throughout this survey, electronic control was used most of the time for field edit. It is recommended that this control be used in future projects for field edit needs. The electronic control made it easier to accurately plot all D.P.'s on hazards to navigation on all the rough-field boatsheets along with the smooth sheet. This method made it possible to process the acquisition of data with greater efficiency and speed, both in the field and office verification. In maintaining the guidelines set down (see Correspondence in the Separates following the text)
electronic controlled field edit has proven valuable by increasing the speed and proficiency of data acquisition and processing. This will help to decrease the amount of time that it takes to produce a new chart after the survey has been completed.

Respectfully submitted,

Kathryn Andreen

Kathryn Andreen, Ltjg. NOAA
FIELD EDIT REPORT

Map T-12039

North of West Foreland, Alaska

August 1976

Field edit of map T-12039 was done by Ens. Neal G. Millett during the month of August 1976. The area between the apparent shoreline and the mean lower low water line is characterized by gravel and boulders. Inspection was done from a small boat and on foot when fixes on land were required.

METHOD

Field photographs and a copy of the field edit ozalid were examined in the field. The mean high water line was verified by visual comparison of the beach area and the ozalid in the field. All detached positions were determined by visual three-point sextant fix with check positions utilizing the offshore platforms. Some detached positions were rejected, either as swingers or for exceeding the accuracy requirements of 10m at the scale of the survey. Fix 225-07a was rejected because it was found to be the same rock as fix 224-07a. Heights of rocks are noted in the field edit notebook volume 2 and on the ozalid. The mean lower low water line is not presented here but appears in the hydrographic records for survey H-9621.

No photographs are referenced for map T-12039. All times are based on 0900 hours from Greenwich.

The foul zone, as indicated on the ozalid, will not be confirmed by referring to the hydrographic records for H-9621. Numerous currents, eddies, and swirls that were impossible to accurately locate indicate the presence of submerged boulders. The field editor has estimated their offshore extent despite their probable conflict with sounded depths.

ACCURACY OF COMPILATION

Compilation of this map is good. Note is made of the following items:

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<tr>
<th>Fix Number</th>
<th>Object</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>224-01a</td>
<td>Rock Bares 2ft.</td>
<td>60/45/31,901N, 151/42/57,107W</td>
</tr>
<tr>
<td>224-02a</td>
<td>Rock Awash</td>
<td>60/45/27,865N, 151/42/01,691W</td>
</tr>
<tr>
<td>224-07a</td>
<td>Rock Bares 1ft.</td>
<td>60/46/38,890N, 151/42/55,535W</td>
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<td>224-08a</td>
<td>Rock Awash</td>
<td>60/47/23,144N, 151/42/27,278W</td>
</tr>
<tr>
<td>224-09a</td>
<td>Rock Awash</td>
<td>60/47/35,923N, 151/42/16,488W</td>
</tr>
<tr>
<td>225-01a</td>
<td>Wooden Barge Wreck</td>
<td>60/46/27,272N, 151/42/12,337W</td>
</tr>
<tr>
<td>225-02a</td>
<td>Red &amp; White Day Shape</td>
<td>60/46/31,711N, 151/42/20,694W</td>
</tr>
<tr>
<td>225-03a</td>
<td>Rock Bares 2ft.</td>
<td>60/45/45,775N, 151/42/17,382W</td>
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<td>225-04a</td>
<td>Rock Awash</td>
<td>60/45/49,830N, 151/42/13,781W</td>
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<tr>
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<td>Object</td>
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<td>225-05a</td>
<td>Rock Subm. 1ft.</td>
<td>60/46/06.159N, 151/43/25.110W</td>
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<td>225-06a</td>
<td>Rock Awash</td>
<td>60/46/35.826N, 151/43/53.905W</td>
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<td>Rock Subm. 2ft.</td>
<td>60/46/43.128N, 151/43/54.558W</td>
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<td>225-09a</td>
<td>Rock Awash</td>
<td>60/47/22.625N, 151/44/43.837W</td>
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<tr>
<td>225-10a</td>
<td>Rock Subm. 1ft.</td>
<td>60/47/35.750N, 151/44/46.576W</td>
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</table>

Field inspection of this map is complete.

**RECOMMENDATIONS**

It is recommended that the map be revised in accordance with the notes on the ozalid and that the map be accepted as an advance manuscript.

Respectfully submitted,

[Signature]

Neal G. Millett
ENS, NOAA
REVIEW REPORT
T-12039
SHORELINE

61. GENERAL STATEMENT

See Summary included with this Descriptive Report.

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 contemporary Hydrographic Surveys:
H-9641, scale 1:20,000, dated January 1, 1978
H-9621, scale 1:20,000, dated June 1, 1978.

There were no major conflicts.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS chart:
16660, scale 1:194,154, 22nd edition, May 8, 1982
16662, scale 1:100,000, 1st edition, April 9, 1983.

The listed charts compared well with this manuscript.

A Final Chart Maintenance Print was prepared and forwarded to Marine Charts.

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 D. Byrd, Jr.
Final Reviewer

Approved for forwarding
Billy H. Barnes
Chief, Photogrammetric Section

Approved
Chief, Photogrammetry Production Sec. Chief, Photogrammetry Branch
<table>
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<th>Charting Name</th>
<th>Description</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>Office</th>
<th>Field</th>
<th>Charts Affected</th>
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</thead>
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<tr>
<td>PLATFORM</td>
<td>Oil Platform Dolly Varden East Derrick</td>
<td>28.32</td>
<td>57.79</td>
<td>F-3-6-L</td>
<td>Aug. 1975</td>
<td>16662</td>
</tr>
<tr>
<td>PLATFORM</td>
<td>Oil Platform Dolly Varden West Derrick</td>
<td>28.35</td>
<td>59.27</td>
<td>F-3-6-L</td>
<td>Aug. 1975</td>
<td>16662</td>
</tr>
<tr>
<td>PLATFORM</td>
<td>Oil Platform Grayling East Derrick</td>
<td>22.60</td>
<td>46.76</td>
<td>F-3-6-L</td>
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<td>PLATFORM</td>
<td>Oil Platform Grayling West Derrick</td>
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<td>PLATFORM</td>
<td>Oil Platform King Salmon</td>
<td>55.59</td>
<td>20.08</td>
<td>F-3-6-L</td>
<td>Aug. 1975</td>
<td>16662</td>
</tr>
</tbody>
</table>
By photogrammetric methods.

1. Position established.
2. Field positions are determined by field observer.
3. Intersection
4. Resection
5. Field identified
6. Traverse
7. Plane table
8. Sextant
9. VIs.

Position verified visually on photogram

EXAMPLE: V-15.
8-12-75
Example: 4-11-75

When a landmark or aid which is also a NOS is
recovered.

EXAMPLE: 4-11-75
8-12-75

EXAMPLE: 75-6-6042

1. Office

Field activities identified and located objects

FORMS ORIGIANTED BY QUALITY CONTROL
AND REVIEW GROUP AND FINAL REVIEW

Name

Type of Action

Responsible Personnel

Office

Field

Other (Specify)

Geodetic Party

Hydrographic Party

Originating

Activity Representative

Office Activity Representative

Quality Control and Review Group

C. Blood

J. Rodriguez

K. Anderson, Jr.

C. Townsend, CDR, NOAA

NOAA

8-7-75

EXTRACTION 70-7-4.

EXTRACTION 70-7-4.
## INSTRUCTIONS

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

1. Enter 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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<th>CHART</th>
<th>DATE</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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