

T-13041

T-13041

NOAA FORM 76-35	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Type of Survey ..... Shoreline .....	
Job No. .... PH-6627 .....	Map No. .... T-13041 .....
Classification No. .... Final .....	Edition No. .... 1 .....
Field Edited Map	
LOCALITY	
State ..... Alaska .....	
General Locality ..... Duncan Canal .....	
Locality ..... Ohmer Slough .....	
.....	
<hr/> 19 66 TO 19 74 <hr/>	
REGISTRY IN ARCHIVES	
DATE .....	

MAP NOT INSPECTED BY  
QUALITY CONTROL OF PHOTOGRAMMETRY DIVISION  
PRIOR TO REGISTRATION

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY <del>XX</del> T-13041	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. (1)	
				<input type="checkbox"/> RESURVEY		MAP CLASS Final	
				<input type="checkbox"/> REVISED		JOB PH-6627	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Atlantic Marine Center, Norfolk, VA				LAST PRECEDING MAP EDITION			
OFFICER-IN-CHARGE  Jeffrey G. Carlen, Cdr.				TYPE OF SURVEY		JOB PH-_____	
				<input type="checkbox"/> ORIGINAL		MAP CLASS _____	
				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
				<input type="checkbox"/> REVISED		19__ TO 19__	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation 8/16/66 (Cancelled)				FIELD - SUPPORT 5/20/66 (CANCELLED)			
Office 9/06/66 (Cancelled)				FIELD PRE-MARKING 7/18/72			
Office, Amend. I 10/24/66 (Cancelled)							
Office, Supp. I 11/11/71 (Cancelled)							
Office, Amend. I 12/02/71 (cancelled)							
Aerotriangulation 7/20/72							
Office 7/18/72							
II. DATUMS							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN				OTHER (Specify)			
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER				OTHER (Specify)			
<input type="checkbox"/> MEAN LOW-WATER							
<input type="checkbox"/> MEAN LOWER LOW-WATER							
<input type="checkbox"/> MEAN SEA LEVEL							
3. MAP PROJECTION				4. GRID(S)			
Polyconic				STATE Alaska		ZONE 1	
5. SCALE 1:10,000				STATE		ZONE	
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY				D. Norman		8/72	
METHOD: Analytic LANDMARKS AND AIDS BY				None			
2. CONTROL AND BRIDGE POINTS PLOTTED BY				D. Phillips		8/72	
METHOD: Coradomat CHECKED BY							
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				R. R. White		8/72	
COMPILATION CHECKED BY				L. O. Neterer		8/72	
INSTRUMENT: Wild B-8				NA			
SCALE: 1:15,000				NA			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				S. S. Kumer		9/72	
CHECKED BY				F. P. Margiotta		9/72	
METHOD: Smooth drafted				NA			
MHWL Graphic				NA			
SCALE: 1:10,000 HYDRO SUPPORT DATA BY				S. S. Kumer		9/72	
CHECKED BY				F. P. Margiotta		9/72	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				F. P. Margiotta		9/72	
6. APPLICATION OF FIELD EDIT DATA BY				J. D. Roderick		5/75	
CHECKED BY				F. P. Margiotta		5/75	
7. COMPILATION SECTION REVIEW BY				F. P. Margiotta		5/75	
8. FINAL REVIEW BY				Jim Byrd		4/80	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				Jim Byrd		10/80	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY				H. D. Wolfe			
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				Chief, Photo Map and		MAR 1982	

T-13041  
HISTORY OF FIELD OPERATIONSI. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. H. Houlder	May 1972
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA NA NA
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED ( <i>Triangulation Stations</i> ) BY LOCATED ( <i>Field Methods</i> ) BY IDENTIFIED BY	None None None
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY BY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (*Clarification of details*)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

None



## HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	M. H. Fleming	Oct 1974
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA NA NA
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	None J. D. Sarb None
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	J. D. Sarb Oct 1974
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

NA

PHOTO NUMBER

STATION NAME

PHOTO NUMBER

STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

72E(C) 3918

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER

OBJECT NAME

PHOTO NUMBER

OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

One Field Edit ozalid, T-13041

One Field Edit form 76-40 attached to Field Edit Report

Field Edit ratio 72E(C)3918

NOAA FORM 76-36B  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYT-13041  
COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Pacific MERIDIAN 120° West	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
72E(C) 3917-3919	6/22/72	13:37	1:30,000	9.0 ft. above MLLW	

REMARKS

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

The mean high-water line was compiled from the photography listed above.

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

No mean lower low-water line was compiled.

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

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

## 5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
No survey	No survey	T-13043	T-13040

REMARKS

NOAA FORM 76-36D  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONT-13041  
RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field Edit	Sep 1972	Class III manuscript superseded	Sep 1972	Sep 1972
Field Edit applied Compilation complete	May 1975	Class I manuscript	Jun 1975	None
Final Review	April 1980	Final	Dec. 1981	

## II. LANDMARKS AND AIDS TO NAVIGATION

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

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		Nov. 1. 1977	Two landmarks for charts

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: Nov. 1. 19773. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

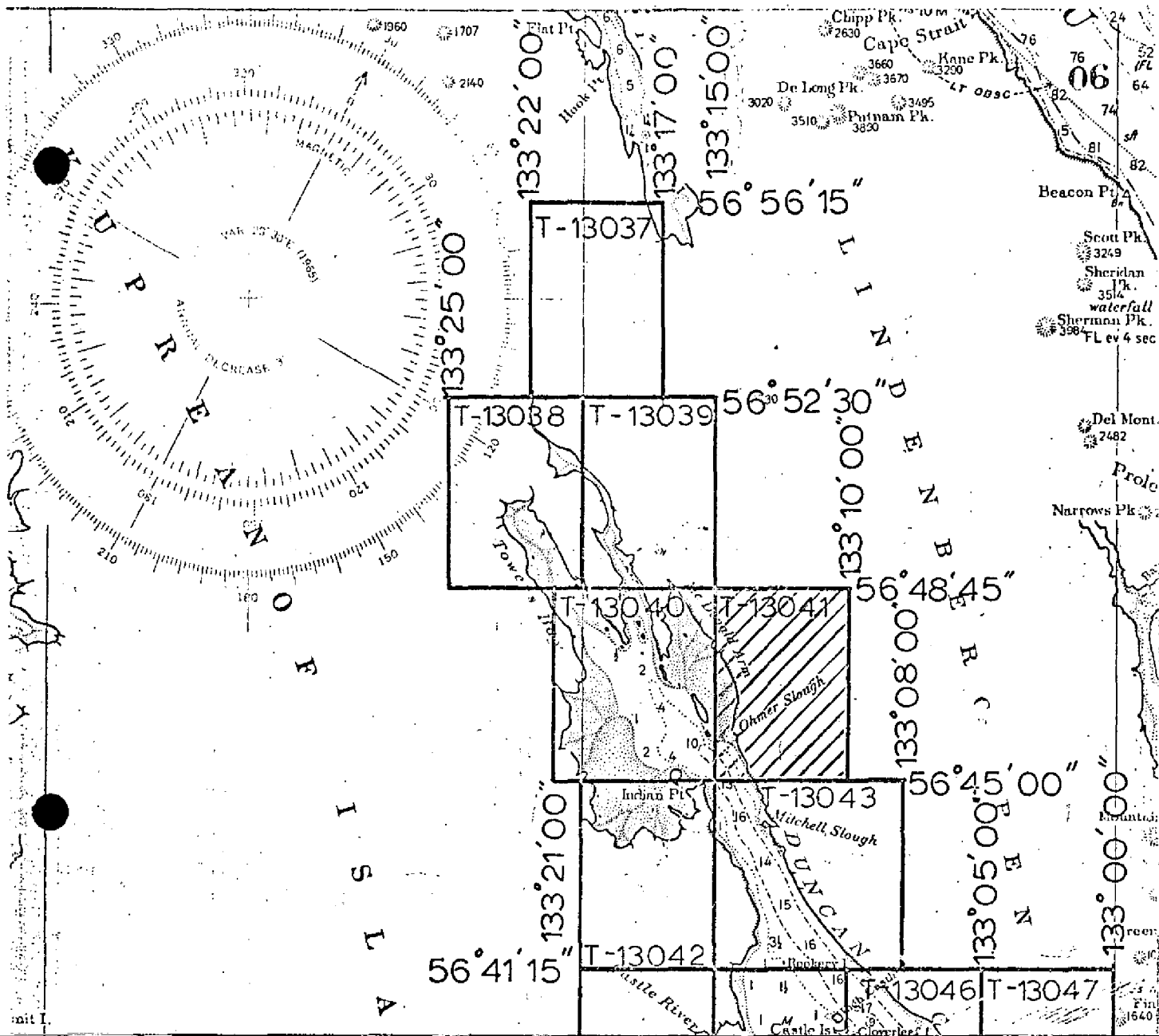
## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
 2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS 567 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: 12/10/81

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









SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORTS  
T13037-13042 and T-13044

Project PH-6627 covers the entire area of Duncan Canal, Alaska from North of Towers Arm southeast, to Lung Island.

There were fifteen (15) maps assigned in this project T13037 thru T-13051 all at scale 1:10,000. The purpose of these maps was to provide contemporary shoreline data in the support of hydrographic operations and to aid in nautical chart revision.

Field work prior to compilation during the 1972 field season consisted of paneling horizontal control stations in advance of the aerial photography.

The area was flown in June 1972 with 1:50,000 scale B&W bridging photography with the "M" camera. Compilation photos were also taken with the "E" camera at 1:30,000 scale on color film.

Analytic aerotriangulation was performed at the Washington Science Center in August 1972.

The maps were compiled and hydro support ratios were prepared at AMC in September and October 1972.

Field edit was completed in October 1974. It was applied to the map at AMC in June 1975.

Final Review was performed at AMC in January - August 1980. The original base manuscript and all pertinent data was forwarded to the Washington Science Center for final registration.

## FIELD INSPECTION

T-13041

Field inspection was limited to the recovery and identification of horizontal control for aerotriangulation.

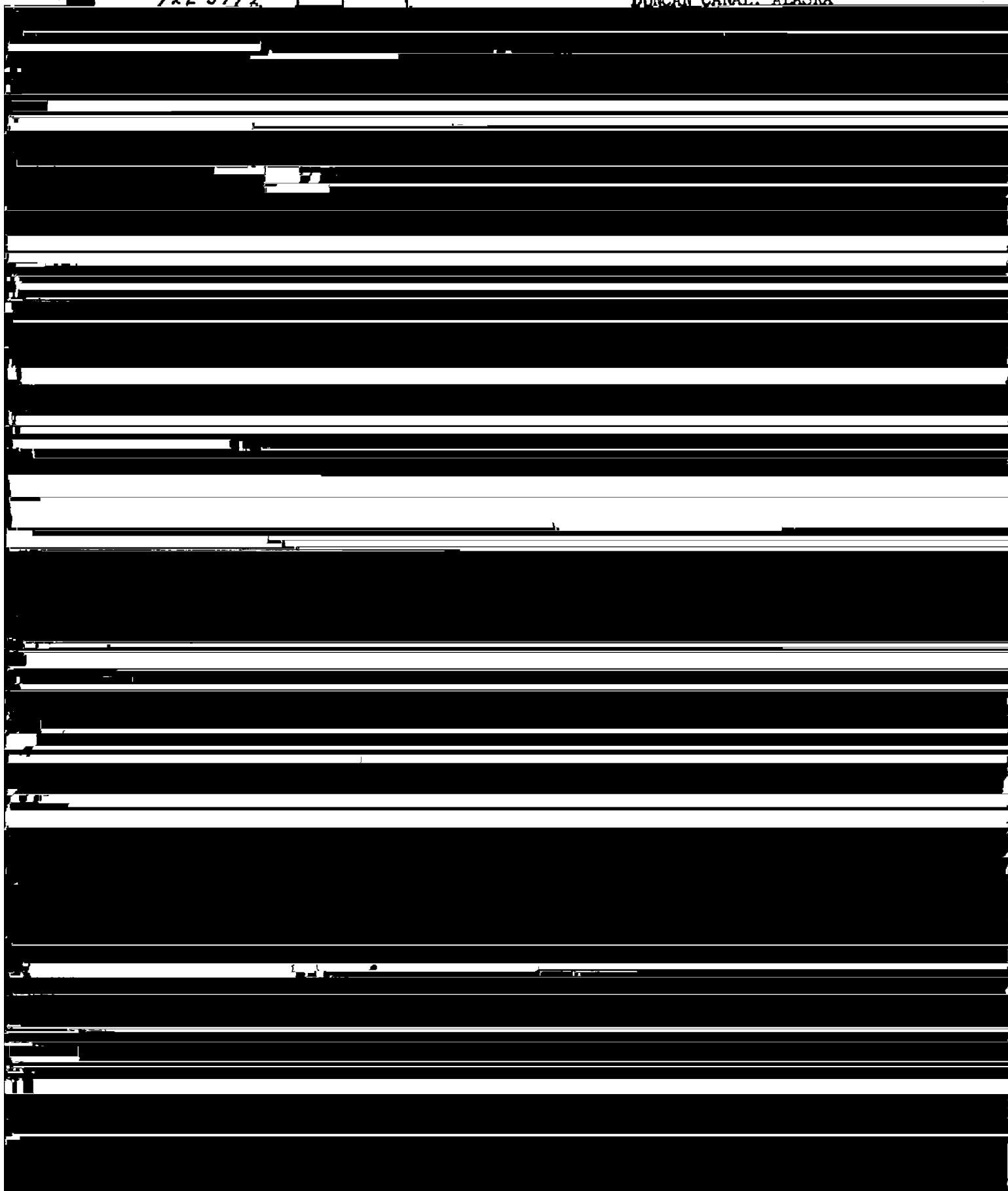
## PHOTOGRAMMETRIC PLOT REPORT

7-13037

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72E 3912

AEROTRIANGULATION SKETCH  
DUNCAN CANAL, ALASKA



## COMPILATION REPORT

T-13041

31. DELINEATION:

Compilation was by the Wild B-8 stereoplotter. The photography was good as to definition and coverage.

There was no field inspection prior to compilation.

32. CONTROL:

See "Photogrammetric Plot Report" dated August 1972.

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:

Since the stage of tide at the time of photography is between MHW and MLLW, only the mean high water line was compiled using the Wild B-8. All foreshore data will be furnished by the field editor and/or hydrographer.

36. OFFSHORE DETAILS:

None.

37. LANDMARKS AND AIDS:

Compilation office prepared work copies of Forms 76-40 were forwarded to the field editor for verification, location and/or deletion.



38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

Junctions are in agreement with T-13040 to the west and T-13043 to the south. There are no contemporary surveys to the north and east.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with USGS Quadrangle PETERSBURG (D-4), ALASKA, scale 1:63,360, dated 1951.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with USC&GS Chart 8201, scale 1:217,828, 12th edition, dated July 4, 1966.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

*Albert C. Rauck, Jr. FOR*  
Susan S. Kumer  
Cartographic Aide  
September 20, 1972

Approved:

*Albert C. Rauck, Jr.*  
Albert C. Rauck, Jr.  
Chief, Coastal Mapping Section, AMC

7/31/80

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

PH-6627 (Duncan Canal, Alaska)

T-13041

Duncan Canal

Duncan Creek

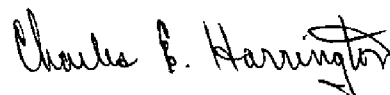
Kupreanof Island

Lindenberg Peninsula

McDonald Arm

Ohmer Slough

Approved by:

Charles E. Harrington  
Chief Geographer, C3x5

## PHOTOGRAMMETRIC OFFICE REVIEW

T. 13041

15

1. PROJECTION AND GRIDS  FPM	2. TITLE  FPM	3. MANUSCRIPT NUMBERS  FPM	4. MANUSCRIPT SIZE  FPM
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY  FPM	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)  NA		7. PHOTO HYDRO STATIONS  NA
8. BENCH MARKS  NA	9. PLOTTING OF SEXTANT FIXES  NA	10. PHOTOGRAMMETRIC PLOT REPORT  FPM	11. DETAIL POINTS  FPM
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE  FPM	13. LOW-WATER LINE  FPM	14. ROCKS, SHOALS, ETC.  FPM	15. BRIDGES  FPM
16. AIDS TO NAVIGATION  FPM	17. LANDMARKS  FPM	18. OTHER ALONGSHORE PHYSICAL FEATURES  FPM	19. OTHER ALONGSHORE CULTURAL FEATURES  FPM
PHYSICAL FEATURES			
20. WATER FEATURES  FPM	21. NATURAL GROUND COVER  NA		22. PLANETABLE CONTOURS  NA
23. STEREOSCOPIC INSTRUMENT CONTOURS  NA	24. CONTOURS IN GENERAL  NA	25. SPOT ELEVATIONS  NA	26. OTHER PHYSICAL FEATURES  FPM
CULTURAL FEATURES			
27. ROADS  FPM	28. BUILDINGS  FPM	29. RAILROADS  FPM	30. OTHER CULTURAL FEATURES  FPM
BOUNDARIES			
31. BOUNDARY LINES  NA		32. PUBLIC LAND LINES  NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES  FPM	34. JUNCTIONS  FPM		35. LEGIBILITY OF THE MANUSCRIPT  FPM
36. DISCREPANCY OVERLAY  FPM	37. DESCRIPTIVE REPORT  FPM	38. FIELD INSPECTION PHOTOGRAPHS  NA	39. FORMS  FPM
40. REVIEWER  <i>Sam R. Mammitt</i>		SUPERVISOR, REVIEW SECTION OR UNIT  <i>Albert C. Rauch, Jr.</i>	

FIELD EDIT REPORT  
OPR-448  
DUNCAN CANAL  
ALASKA

1974

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## FIELD EDIT REPORT

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## STATION LIST

## FORM 567's

## POSITION COMPUTATIONS

## FIX DATA ABSTRACT

## ORIGINAL FIELD RECORDS

Field Edit Report  
TP-13041

Introduction

The area covered by this report is the eastern shoreline of Duncan Canal extending north from IndianPoint to the southeastern reach of McDona-  
ld Arm. The area is typically tidal flats bordered by heavily forested shoreline.

Method

A field edit T-sheet was taken into the field to verify questioned features, Where possible, sextant fixes (with check angles) were used. Signals were photo-picked from photographs #3836 and #3918.

Adequacy

Field Editing should be considered complete in the area investigated with all questions answered.

The Field Edit Ozalid is fully and completely annotated.

The office compilation is adequate for use on the chart.

Recommendations

The manuscript should be accepted as complete with the corrections compiled by this field edit.



Respectfully Submitted

*James D. Sarb*

James D. Sarb

ENS., NOAA

Approved

*M. H. Fleming*

M. H. Fleming

CDR., NOAA Cmdg



## REVIEW REPORT T-13041

## SHORELINE

April 1980

61. GENERAL STATEMENT

See Summary, included in this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not available

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Not applicable

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Hydro in this area was "cancelled" 12/9/75; no comparison was made.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with chart 17360, scale 1:217,828, 23rd ed. June 16/79. No significant differences were noted.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted by: Jim Byrd

*Jim Byrd*  
Final Reviewer

Approved for forwarding:

*Albert C. Ranch Jr. Act.*  
Chief Photogrammetric Branch, AMC

Approved:

Chief Photogrammetric Branch

Chief Photogrammetry Division