NOAA FORM 76-35

NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

Type of SurveyShoreline
Job No. PH-6627 Map No. T-13037
Classification No. Final Edition No1
Field Edited Map
LOCALITY
StateAlaska
General Locality Duncan Canal
Locality Salt Chuck
. †
19 66 TO 19 74
REGISTRY IN ARCHIVES

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901

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

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NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY	SURVEY TK 13037
	XX ORIGINAL	MAP EDITION NO. (1)
DESCRIPTIVE REPORT DATA RECORD	RESURVEY	map class Final
DESCRIPTIVE REPORT - DATA RECORD	<u>-</u>	
AUG-TAGGA WEST DIG A STAGG	REVISED	јов РН- <u>6627</u>
PHOTOGRAMMETRIC OFFICE	LAST PRECEED	ING MAP EDITION
Atlantic Marine Center, Norfolk, Va.	TYPE OF SURVEY	JOB PH
OFFICER-IN-CHARGE	ORIGINAL RESURVEY	MAP CLASS SURVEY DATES:
	REVISED	19TO 19
R. C. Munson - Director		
I. INSTRUCTIONS DATED		
1. OFFICE	2.	FIELD
Aerotriangulation 8/16/66(cancelle	(d)	
Office 9/06/66 (Cancelled)	FIELD SUPPORT - 5	/20/66 (CANCELLED)
Office, Amendment 1 10/24/66 (Cancelled)	FIELD PRE-MARKING	7/18/72
Office, Supplement 1 11/11/71 (Cancelled)		•
Office, Amendment 1 12/02/71 (Cancelled)		
Aerotriangulation 7/20/72		-
Office 7/18/72	<u> </u>	
II. DATUMS	OTHER (Specify)	
1. HORIZONTAL:	o viiziv (opeonly)	
X MEAN HIGH-WATER	OTHER (Specify)	
MEAN LOW-WATER		
2. VERTICAL: MEAN LOWER LOW-WATER		
MEAN SEA LEVEL		<u>-</u>
3. MAP PROJECTION		GRID(S)
Polyconic projection	STATE	ZONE
5. SCALE	STATE	ZONE
1:10,000	Alaska	11
HISTORY OF OFFICE OPERATIONS	ř, ₁	
OPERATIONS	NAME	DATE
t. AEROTRIANGULATION METHOD: Analytic LANDMARKS AND AIDS BY	D. Norman	Aug_1972
2. CONTROL AND BRIDGE POINTS PLOTTED BY	None	Aug 1972
METHOD: Coradomat CHECKED BY		
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY	L. O. Neterer	Sep. 1972
COMPILATION CHECKED BY	R. R. White	Sep 1972
INSTRUMEN Wild B-8 CONTOURS BY	NA	
SCALE: 1:15,000 CHECKED BY 4. MANUSCRIPT DELINEATION PLANIMETRY BY	NA	0-5-1072
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY	C. E. Blood F. P. Margiotta	Oct 1972 Oct 1972
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METHOD: SMOOTH URAFTING . CHECKED BY	NA	
SCALE: /: 10,000 HYDRO SUPPORT DATA BY	C. E. Blood	Oct 1972
CHECKED BY	F. P. Margiotta	Oct 1972_
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	F. P. Margiotta	Oct 1972
6. APPLICATION OF FIELD EDIT DATA	J. D. Roderick	May 1975
7. COMPILATION SECTION REVIEW BY	F. P. Margiotta	May 1975
7. COMPILATION SECTION REVIEW BY	F. P. Margiotta Jim Byrd	May 1975 Jan. 1980
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		
1	Jim Byrd	Nov. 1980
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	Jim Byrd	the property.
	H. D. Wolfe	

Emissiphers Monand MAN 1982
Imagery Use 1976, P.O. 1972-769382/582 REG.#6
Phologrammetry Division

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NOAA FORM 76-36B (3-72)

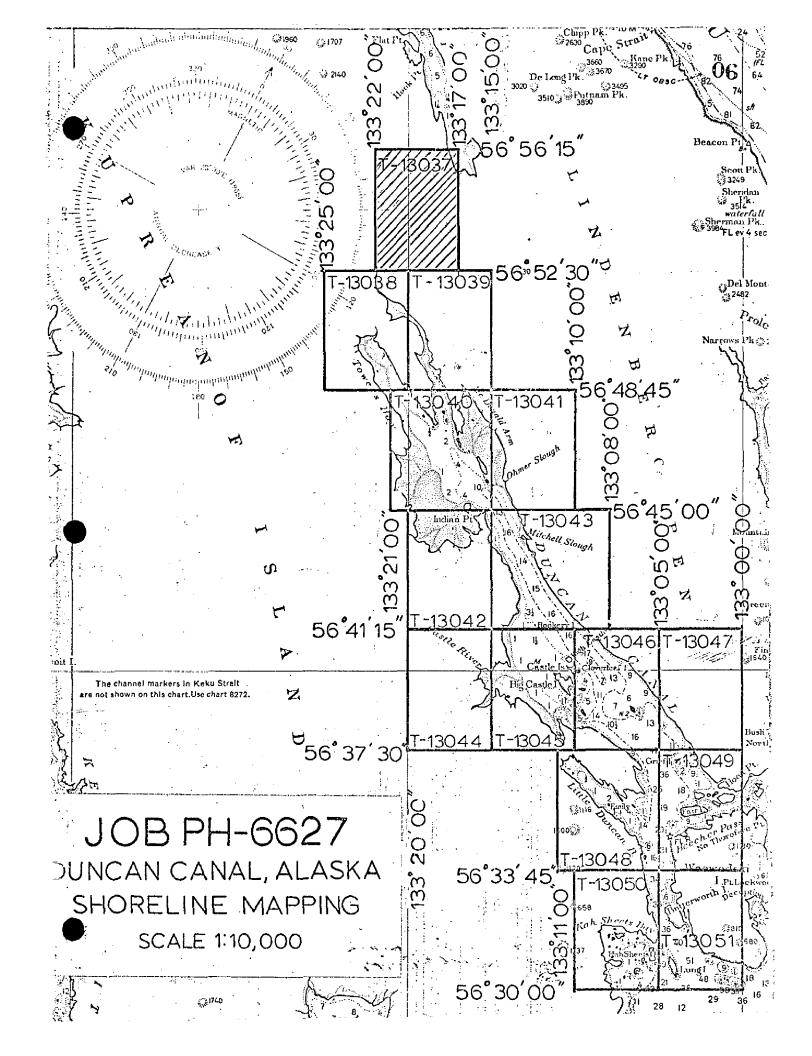
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VERTICAL CONTROL	ESTABLISHED BY	NA		
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	RECOVERED (Triangulation Stations) BY	None	<u> </u>	
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	RECOVERED (Triangulation Stations) BY	None		
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NOAA FORM 76-36D (3-72) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

RECORD OF SURVEY USE

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I. MANUSC	RIPT COPIES				_		•
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	tion complete Field Edit	Oct 1972	Class III Supersede		pt_	Nov 1972	Nov 1972
	dit applied, tion complete	May 1975	Class I m	<u>anuscript</u>		· Jan 1975	None
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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 Tl3037 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-13037

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

PHOTOGRAMMETRIC PLOT REPORT Job PH-6627 Duncan Canal, Alaska August 1972

21. Area Covered

The entire area of Duncan Canal, Alaska, is covered by this report. The southeastern corner of the project has the coordinates of 56 30° 00" and 133 00° 00". Included in the project are T-sheets T-13037 thru T-13051.

22. Method

One strip of photography, 72-M-1086 thru 1095 at 1:50,000 scale, was bridged by analytic aerotriangulation methods. Four horizontal control stations were used in the adjustment with one station as a check. All points were drilled by the PUG method. Enough points were transferred and read to provide compilation and ratio points on four parallel strips of color photography. These strips, 72-E(C)-3830 thru 3847, 3854 thru 3862, 3912 thru 3930 and 66-L(C)-5659 thru 5661, all at 1:30,000 scale, will be used to compile the area. All points were plotted on Alaska Zone 1 coordinates using the Coradi Plotter. Ratios of the area were ordered.

23. Adequacy of Control

The control was adequate and complied with project instructions.

24. Supplemental Data

USGS topographic quadrangles were used to obtain vertical control for the bridged strip.

25. Photography

The photography was adequate as to coverage, overlap and definition.

Respectively submitted:

Dor O. Norma

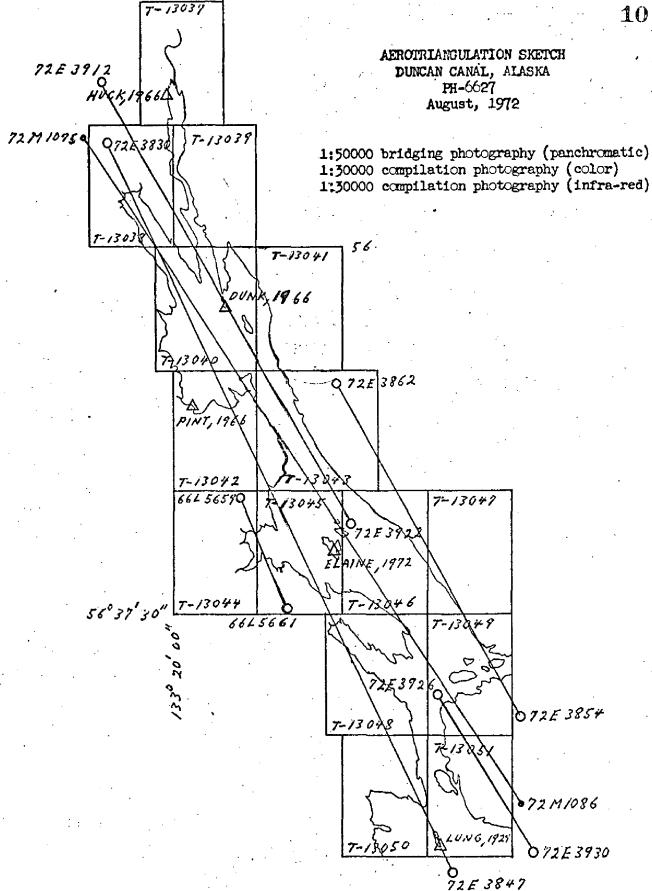
Approved and Forwarded:

John D. Perrow, Jr.

Acting Chief

Aerotriangulation Section

Don O. Norman Cartographer



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NOAA FORM 76-41 (6-75)		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
MAP NO. T-13037	лов NO. PH-6627	27	GEODETIC DATUM 1927	Division.	AMC. Norfolk, VA
STATION NAME	SOURCE OF	AEROTRI-	COORDINATES IN FEET	į	
		POINT	ZONE		FOR WARD BACK
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COMPILATION REPORT

T-13037

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter, using 1:30,000 scale color photographs. Coverage and scale is good.

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 delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The mean high water line and alongshore details were delineated from office interpretation of the photographs, which were taken at 9 ft. above mean lower low water.

36. OFFSHORE DETAILS:

Offshore details were compiled from office interpretation of the photographs.

37. LANDMARKS AND AIDS:

No landmarks or aids are located within the limits of this manuscript.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

Junctions are in agreement with T-13038 and T-13039 to the south. There are no contemporary surveys to the east, west or north.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with the following USGS Quadrangles: PETERSBURG (D-4), ALASKA, scale 1:63,360, dated 1951; and PETERSBURG (D-5), ALASKA, scale 1:63,360, dated 1948.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with the following National Ocean Survey 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:

Charles E. Blood

Cartographic Technician

October 4, 1972

Approved:

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section, AMC

ADDENDUM TO THE COMPILATION REPORT

T-13037

FIELD EDIT

No field edit was accomplished in this area because the area is essentially nonnavigable.

7/31/80

GEOGRAPHIC NAMES

FINAL NAME:SHEET

PH-6627 (Duncan Canal, Alaska)

T-13037

Kupreanof Island
Lindenberg Peninsula
Salt Chuck

Approved by:

Charles E. Harrington Chief Geographer, C3x5

Field edit applied from Field Edit Ozalid.

FIELD EDIT REPORT OPR-448 DUNCAN CANAL ALASKA

1974

TABLE of CONTENTS

TP-13037

TP-13038 TP-13039

TP-13040

TP-13041 TP-13042

TP-13044

STATION LIST

FORM 567's

POSITION. COMPUTATIONS

FIX DATA ABSTRACT

ORIGINAL FIELD RECORDS

Field Edit Report TP-13037

Introduction

The area covered by this report is that of Salt Chuck. The area is a tide flat bordered by heavily forested shorelines.

Method

The inspection of TP-13039 discovered a rocky ledge extending across the entire width of the channel leading into the Salt Chuck. This ledge is the limit of navigation since the only time safe passage can be made is at slack High Water. The depth of the ledge at this time is such that only shallow draft skiffs may pass. See TP-13039 for the location and further description of the ledge.

Field inspection of this manuscript was not conducted because of the extraordinary effort reqired to investigate this remote area. Because of the excellent quality of the photogrameteric compilation of the adjacent manuscripts, it is recommended that this manuscript be accepted as complete.

Adequacy

No inspection of this area was made and the approximate MLLW line should be accepted adequate as compiled for use on the chart.

Respectfully Submitted

Amos D. Saub

James D. Sarb

ENS., NOAA

M. H. Fleming CDR., NOAA Cmdg

REVIEW REPORT T-13037

SHORELINE

Jan 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. CCMPARISON 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

Final Reviewer

Approved for forwarding: Albert c-Rauck h. Act. Chief Photogrammetric Brench, AMC

Approved:

Chief Photogrammetric Branch

Chief Photogrammetry Division