NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

Type of SurveyShoreline
Job No. PH-6627 Map No. T-13038
Classification No. Finál Edition Nol
Field Edited Map
LOCALITY
State Alaska
General Locality Duncan Canal
Locality Towers Bay
1966 TO 1974
REGISTRY IN ARCHIVES

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

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

					
NGAA FORM 76-36A U. S. DEPARTMENT OF COMME (3-72) NATIONAL OCEANIC AND ATMOSPHERIC AD	ERCE	TYPE OF SURVEY	SURVEY	XX_T-13	<u>038</u>
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DESCRIPTIVE REPORT - DATA RECORD	ſ	RESURVEY	MAP CLAS	s Einal	
	1	REVISED	JOB	PH6627	
PHOTOGRAMMETRIC OFFICE					
Atlantic Marine Center	Į	LAST PRECEED			-
Norfolk, Virginia	Į	TYPE OF SURVEY ORIGINAL		PH 55	
OFFICER-IN-CHARGE		RESURVEY	SURVEY		
	1	REVISED	19TO !	19	
R. C. Munson-Director	i	·			
I. INSTRUCTIONS DATED					
1. OFFICE			FIELD		
Aerotriangulation 8/16/66(Cancelled	d)	FIELD SUPPORT	5/20/66	(CANCEL!	ED)
Office 9/06/66(Cancelled		FIELD SUPPORT FIELD- PRE MARKIN	6 7/18/72		·)
Office, Amendment 1 10/24/66(Cancelled		77.24)	17.0710	•	
Office, Supplement 1 11/11/71(Cancelled	d)				
Office, Amendment 1 12/02/71(Cancelled	d)				
Aerotriangulation 7/20/72	l	,			
Office 7/18/72					
II. DATUMS					
1. HORIZONTAL: XX 1927 NORTH AMERICAN	Ì	OTHER (Specify)			
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MEAN HIGH-WATER	Ì	OTHER (Specify)			
2. VERTICAL:	_ [
MEAN LOWER LOW-WATER	`				
3. MAP PROJECTION			CD:0(S)		
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Polyconic projection	- 1				
5. SCALE		Alaska	ZONE		
1:10,000					
III. HISTORY OF OFFICE OPERATIONS					
OPERATIONS		NAME		DA	TE
1. AEROTRIANGULATION	эч	D. Norman		Aug 1	972
METHOD: Analytic LANDMARKS AND AIDS		None		Aug	072
2. CONTROL AND BRIDGE POINTS PLOTTED METHOD: Coradomat Checked	1	E. Homick	 	+ Aug	914_
3. STEREOSCOPIC INSTRUMENT PLANIMETRY		L. O. Neterer		Sep 1	972
COMPILATION CHECKED	Γ	R. R. White		Sep 1	
INSTRUMENTWILD B-8 CONTOURS		NA NA		 	
scale: 1:15,000 checked	<u>D 8Y</u>	NA			
4. MANUSCRIPT DELINEATION PLANIMETRY	Y BY	C. E. Blood		Oct 1	972
CHECKED	DBY	L. O. Neterer		Oct	972
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1:10,000 CHECKED		L. O. Neterer		Oct :	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	L. O. Neterer		Oct :	
6. APPLICATION OF FIELD EDIT DATA	BY	J.D. Roderick		May	
T COMPILATION SECTION REVIEW		F. P. Margiotta		May	
7. COMPILATION SECTION REVIEW 8. FINAL REVIEW	BY	F.P. Margiotta		May Jan	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	Jim Byrd Jim Byrd	<u> </u>		1980
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	_5 2 kg &		1,0 4	
II. MAP REGISTERED - COASTAL SURVEY SECTION	BY	H. D. Wolle	<u> </u>	MAR	1982
NOAA FORM 78-36A SUPERSEDES FORM C&GS 181 SE		Chief, Photo Map	and		
		master Section		6938Z/58Z	KLG. #
_		Photogrammetry	Division		

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REMARKS							

HISTORY OF FIELD OPERATIONS I. M FIELD INSPECTION OPERATION OPERATION NAME OPERATION OPERATION NAME	AA FORM 76_36C -72)		NATIONAL OCEA	U. S. DEPARTMEN	ADMINISTRATIO
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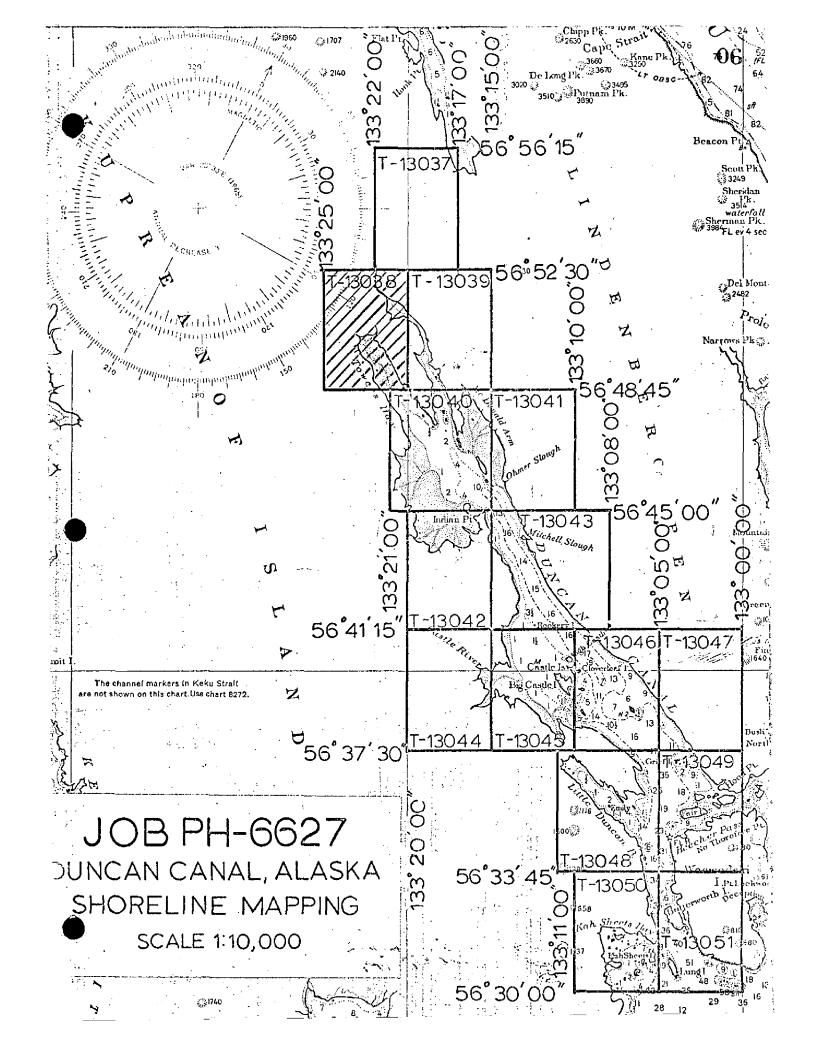
NOAA FORM 76-36C (3-72)

U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY

T-13038

		D EDIT OPERATION	
	OPERATION	NAME	DATE
. CHIEF OF FIELD PART	•	M. H. Fleming	Oct 197
	RECOVERED BY	None	061 197
. HORIZONTAL CONTROL	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	None	
	RECOVERED BY	NA	
. VERTICAL CONTROL	ESTABLISHED BY	NA	
	PRE-MARKED OR IDENTIFIED BY	NA	
LANDMARKS AND	RECOVERED (Triangulation Stations) BY	None	
AIDS TO NAVIGATION	LOCATED (Field Methods) BY IDENTIFIED BY	None	
	TYPE OF INVESTIGATION	None	
GEOGRAPHIC NAMES	COMPLETE		
INVESTIGATION	SPECIFIC NAMES ONLY		
	X NO INVESTIGATION		
. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	J. D. Sarb	Oct : 197
BOUNDARIES AND LIMIT	S SURVEYED OR IDENTIFIED BY	NA	
. SOURCE DATA . HORIZONTAL CONTROL	IDENTIFIED	2. VERTICAL CONTRO	L IDENTIFIES
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(3-72)	KM 76-36D		T-13038	ATIONAL OCEA	U. S. DEPARTA INIC AND ATMOSPHER	MENT OF CUMMERCE RIC ADMINISTRATION
·		RECOF	RD OF SURVE	Y USE		
I. MANUSC	CRIPT COPIES					
		MPILATION STAGES	<u>s </u>		DATE MANUS	CRIPT FORWARDED
	DATA COMPILED	DATE	RE RE	MARKS	MARINE CHAR	TS HYDRO SUPPORT
	ation complete g Field Edit	Oct 1972	Class III superseded	_	Nov 1972	Nov 1972
	Edit applied, ation complete	May 1975	Class I ma	nuscript	Jun 1975	None
Final	Review	Jan. 1980	Final	1 Мар	Dec: 1981:	
	MARKS AND AIDS TO NAVIGA			Mana		
I. REP	PORTS TO MARINE CHART DE		DATA BRANCH	None		
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED		<u> </u>	REMARKS	
	·		(Nor. 8)			
					<u> </u>	
			. ,			
2.	REPORT TO MARINE CHART	DIVISION, COAST	PILOT BRANCH.	DATE FORWAR	RDED: None	
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EDITION	DATE OF PHOTOGRAPH	HY DATE OF FU	ELD EDIT	<u> </u>	MAP CLASS] III. □IV. □V	, DFINAL



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-13038

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:

Approved and Forwarded:

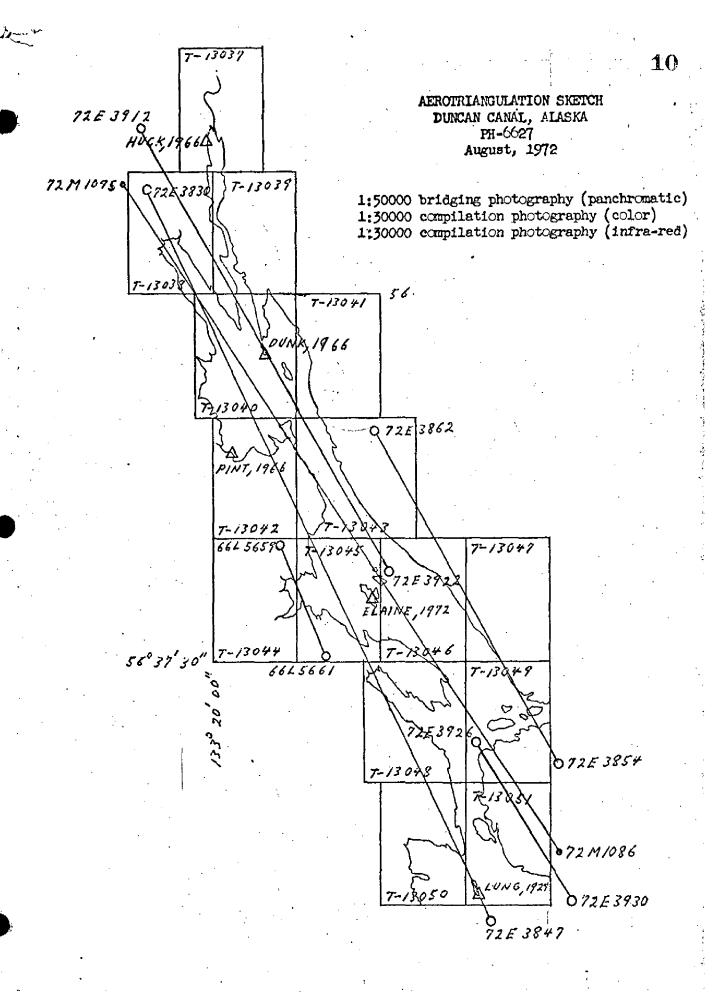
John D. Perrow, Jr.

Acting Chief

Aerotriangulation Section

Dor O. Norman

Cartographer



NOAA FORM 76-41 (6-75)	76-41		VI FOIGUS AND			U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

COMPILATION REPORT

T-13038

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. and 10.2 ft. above mean lower low water.

36. OFFSHORE DETAILS:

Offshore details were compiled from office interpretation of the photographs. A mean lower low water line was not compiled since there was no low water photography available.

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-13039 to the east, T-13040 to the south and T-13037 to the north. There is no contemporary survey to the west.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with the following USGS Quadrangle: 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, 1972.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Charles E. Blood

Cartographic Technician

rarles E. Blood

October 4, 1972

Approved:

Albert C. Rauck. Jr.

Chief, Coastal Mapping Section, AMC

ADDENDUM TO THE COMPILATION REPORT

T-13038

FIELD EDIT

Field edit was adequate.

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6627 (Duncan Canal, Alaska)

T-13038

Kupreanof Island Salt Chuck

Towers Arm

Approved by:

Charles E. Harrington Chief Geographer, C3x5

	FORM C&GS-1002			U.	S. DEPARTMENT OF COMMERCE
1	12-001	PHO.	TOGRAMMET	RIC OFFICE REVIEW	COAST AND GEODETIC SURVEY
			T-	13038	
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FIELD EDIT REPORT OPR-448 DUNCAN CANAL ALASKA

TP-13037-6

TP-13038

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-13038

Introduction

The area covered by this report is that of the head-waters of Towers Bay. The bay is predominantly ted-al flat bordered on the east and west by heavily forested shoreline and on the north by an extensive intertidal zone, less heavily forested than the other shorelines.

The inspection was performed on October 18,1974, if from a small skiff on a rising tide.

Method

A field edit T-sheet and photograph #3914 were taken into the field to verify the shoreline as prescribed by the Field Edit Ozalid. The shoreline depicted is that of the appearent MHHWL. The salt grass prohibited complete investigation of the MHHWL.

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 of this manuscript is adequate.

Recommendations

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

Respectfully Submitted ames D. Saul
James D. Sarb
ENS., NOAA

M. H. Fleming CDR., NOAA Cmdg

REVIEW REPORT T-13038

SHORELINE

Jan 1980

61. GENERAL STATEMENT

7.

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. Rancky. Act.
Chief Photogrammetric Branch, AMC

Approved:

Chief Photogrammetric Branch

Chief Photogrammetry Division