NOAA FORM 76-35 (6-80)

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

DESCRIPTIVE REPORT

This Map Was Field Edited

Map No.

TP-00294

Edition No.

Job No.

PH-7017

Map Classification

Final Field Edited Man

Type of Survey

Shoreline

LOCALITY

State

Alaska

General Locality

Afognak and Kodiak Islands

DESCRIPTIVE REPORT

TP-00294

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NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOS PHERIC ADMIN	TYPE OF SURVEY	SURVEY TP
(3-72) NATIONAL OCEANIC AND ATMOS PHERIC ADMIN		
	XX ORIGINAL	MAP EDITION NO. (1)
DESCRIPTIVE REPORT - DATA RECORD	RESURVEY	MAP CLASS Final
	☐ REVISED	JOB PH- 7017
PHOTOGRAMMETRIC OFFICE		
Atlantic Marine Center		ING MAP EDITION
Norfolk, Virginia	TYPE OF SURVEY	JOB PH
OFFICER-IN-CHARGE	ORIGINAL RESURVEY	MAP CLASS
	REVISED	19 TO 19
Jeffrey G. Carlen, Cdr. NOAA		
I. INSTRUCTIONS DATED		
1. OFFICE	2.	FIELD
	The state of the s	
Nametuian audation Taratus Name 30 1071		
Aerotriangulation Instr. Nov. 19, 1971 Office Instr. Apr. 17, 1972	Field Support In	str. May 03, 1971
Office Instr., Supplement 1 May 11, 1973		
Office Instr., Amendment 1 Not Dated		
The state of the s		
II. DATUMS		
1. HORIZONTAL: V 1927 NORTH AMERICAN	OTHER (Specify)	
	OTHER (Specify)	
2. VERTICAL: (partial) X MEAN LOWER LOW-WATER		
MEAN SEA LEVEL		
3. MAP PROJECTION		GRID(S)
	STATE	ZONE
Polyconic	Alaska	5
5. SCALE 1:20,000	STATE	ZONE
III. HISTORY OF OFFICE OPERATIONS		
OPERATIONS	NAME	DATE
1. AEROTRIANGULATION BY	D. Norman	Mar. 1972
METHOD: Analytic LANDMARKS AND AIDS BY		CONTRACTOR OF THE PROPERTY OF
	D. Phillips	Apr. 1972
METHOD: Coradomat CHECKED BY		
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY	R. R. White	May 1972
COMPILATION CHECKED BY		May 1972
INSTRUMENTWILD B-8 Stereoplotter contours by scale: 1:20,000 CHECKED BY	N/A N/A	
4. MANUSCRIPT DELINEATION PLANIMETRY BY		Junæ 1972
CHECKED BY		June 1972 June 1972
CONTOURS BY	N/A	July 1912
METHOD: Smooth Drafted CHECKED BY		CONTRACTOR DESIGNATION
HYDRO SUPPORT DATA BY	B. Wilson	June 1972
1:20,000 CHECKED BY	A. L. Shands	Jung 1972
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	A. L. Shands	June 1972
6. APPLICATION OF FIELD EDIT DATA	C. Blood & F. Marg	THE RESIDENCE IN COLUMN 2 IN C
7. COMPILATION SECTION REVIEW BY	J. Byrder	Apr. 1978
7. COMPILATION SECTION REVIEW BY 8. FINAL REVIEW BY	D. Butler J. Massey	Jan. 1986 Dec. 1986
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY	J. Plassey	Dec. 1986
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		

NOAA FORM 76-36B				N	ATIONAL OCE.			NT OF COMMERCE
		COM	TPI-0029					L OCEAN SURVEY
1. COMPILATION PHO	TOGRAPHY				 -	<u>.</u>	- · · ·	
CAMERA(S)Wild RO			TYPE		OTOGRAPHY		TIME REFE	RENCE
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REFERENCE STAT			-	NCHROM	ATIC	MERID		⊣''''
TIDE CONTROLLE	D PHOTOGRAF	э нү	(I) INF	RARED			50th	DAYLIGHT
NUMBER AND	TYPE	DATE	TIME		SCALE		STAGE OF	TIDE
71 M (P) 323 -		08/03/71	09:00	I	1:60,000		ft. abov	
71 E (C) 6114		07/04/71	13:50		1:20,000		3 ft. abov	
71 E (C) 6724		07/10/71	10:2		1:20,000	1	ft. abov	
71 E (C) 6739		07/10/71	10:3		1:20,000	I	ft. abov	
71 E (C) 7352	- 7356	08/03/71	11:5	1	1:20,000) 11.3	L ft. abov	e MLLW
REMARKS * A Da								<u> </u>
tation of the		n lower low w						
of this Descri						_		-
2. SOURCE OF MEAN			<u> </u>				****	
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The mean h	igh water	line was con	mpiled :	from t	he photog	raphy 1	isted abo	ve.
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3, SOURCE OF		MEAN LOWER LO	W-WATER I	LINE:		-		
	_	_						
-		r low water :	line was	s del:	ineated fr	om the	July 10,	1971
photograph	y listed	above						
· · · · · · · · · · · · · · · · · · ·								
4. CONTEMPORARY	HYDROGRAPHI	C SURVEYS (List o	nly those su	irveys thi	at are sources f	or photogram	nmetric survey	information.)
SURVEY NUMBER	DATE(S)	SURVEY COF	Y USED	SURVE	Y NUMBER	DATE(S)	suRV	EY COPY USED
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<u> </u>	<u></u>							
S. FINAL JUNCTIONS		AST		souтн		<u> </u>	WEST	<u>_</u> .
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No Survey		TP-00295		1	TP-00300		TP-00	293

NOAA FORM 76-36 (3-72)	С		NATIONAL OCEA		TMENT OF COMMERCE ERIC ADMINISTRATION
		TP-00294 History of Field			IONAL OCEAN SURVEY
I. XX FIELD	OPER		D EDIT OPERATION		
	OPI	ERATION		NAME	DATE
1. CHIEF OF FIEI	LD PARTY				
		RECOVERED BY	R. Lanier None		1971
2. HORIZONTAL (CONTROL	ESTABLISHED BY	None		
2. RUMPEUM	DOMINION	PRE-MARKED OR IDENTIFIED BY	None		
	 ,	RECOVERED BY	NA NA		<u> </u>
3, VERTICAL CO	NT ROL	ESTABLISHED BY	NA NA		
		PRE-MARKED OR IDENTIFIED BY	NA NA		
	RE	COVERED (Triangulation Stations) by	None		
4. LANDMARKS A	ND	LOCATED (Field Methods) BY	None		
AIDS TO NAVIO	SATION	IDENTIFIED BY	None		
		TYPE OF INVESTIGATION			
5. GEOGRAPHIC I		COMPLETE			
INVESTIGATIO	N	SPECIFIC NAMES ONLY			
		NO INVESTIGATION			
6. PHOTO INSPEC	TION	CLARIFICATION OF DETAILS BY	None		
7. BOUNDARIES	AND LIMITS	SURVEYED OR IDENTIFIED BY	NA		,
II. SOURCE DATA					16:
1. HORIZONTAL	CONTROL IDE	NTIFIED	2. VERTICAL CO	NTROL IDENTIFIED	
	None		NA		
PHOTO NUMBER	<u> </u>	STATION NAME	PHOTO NUMBER	STATION	DESIGNATION
		·			
	1				
3 DUOTO NUMBE	Ph (Olivitie et)	· 7 - 3 - 4 - 14	<u> </u>		
3. PHOTO NUMBE	•	on of details)			
	None	·			•
4 LANDMARKS A	NO AIDS TO N	AVIGATION IDENTIFIED			
4. LANDMANNS A	NU AIDS IV A	AVIGATION IDENTIFIED			
	None				
PHOTO NUMBER		OBJECT NAME	PHOTO NUMBER	0815	CT NAME
PHOTO NOMBER		ODJECT NAME	PROTO NOMBER	0832	CTNAME
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]		
5. GEOGRAPHIC	NAMES:	REPORT XX NONE	6. BOUNDARY AN	D LIMITS: RE	PORT XX NONE
7. SUPPLEMENTA	AL MAPS AND	PLANS			
	None				
8. OTHER FIELD	RECORDS (Ske	etch books, etc. DO NOT list data submit	ted to the Geodesy D	ivision)	<u> </u>
	None				
		•			ļ

NOAA FORM 76-361 (3-72)		TP-00294 HISTORY OF FIELD	NATIONAL OCEANIC	AND ATMOSPHE	FMENT OF COMMERC
I. 📋 FIELD INSP	ECTION O	PERATION X FIEL:	D EDIT OPERATION	_	
		OPERATION	NAM	ME	DATE
1. CHIEF OF FIEL	LD PARTY				1070
		RECOVERED BY	K. Jeffers None		<u>May 1973</u>
2. HORIZONTAL C	CONTROL	ESTABLISHED BY	None		
2		PRE-MARKED OR IDENTIFIED BY	None		
		RECOVERED BY	NA		
3. VERTICAL CO	NTROL	ESTABLISHED BY	NA NA		
		PRE-MARKED OR IDENTIFIED BY	NA		
		RECOVERED (Triangulation Stations) BY	None		
4. LANDMARKS A		LOCATED (Field Methods) BY	None		
AIDS TO NAVIG	ATION	IDENTIFIED BY	None		
		TYPE OF INVESTIGATION			
5. GEOGRAPHIC		COMPLETE BY			
INVESTIGATIO	N	SPECIFIC NAMES ONLY			1
		XX NO INVESTIGATION	<u> </u>	·	
6. PHOTO INSPEC	CTION	CLARIFICATION OF DETAILS BY	M. H. Allen		June 1973
7. BOUNDARIES A		SURVEYED OR IDENTIFIED BY	NA		
II. SOURCE DATA			TO WEST CONTE	OPNITIEIED	
1. HORIZONTAL		IDENTIFIED	2. VERTICAL CONTR	ROL IDENTIFICE	
	None		NA NA		<u></u>
PHOTO NUMBER		STATION NAME	PHOTO NUMBER	STATION (DESIGNATION
3. PHOTO NUMBE	ERS (Clarifi	cation of details)			
	71M(P)-	-323 thru 71M(P)-325			
		O NAVIGATION IDENTIFIED			
	None				
PHOTO NUMBER		OBJECT NAME	PHOTO NUMBER	OBJE	CTNAME
5. GEOGRAPHIC	NAMES:	REPORT XX NONE	6. BOUNDARY AND L	LIMITS: RE	PORT XXX NONE
7. SUPPLEMENT	AL MAPS A	ND PLANS			
		(Sketch books, etc. DO NOT list data submit	tted to the Geodesy Divis	sion)	
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5. GEOGRAPHIC NAMES:	REPORT	NONE	6. BOUNDARY AND	LIMITS: 🔲 REPOR	T 🔲 NONE
7. SUPPLEMENTAL MAPS A	ND PLANS				

Sketch in field edit report

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

One film field edit ozalid and field edit report

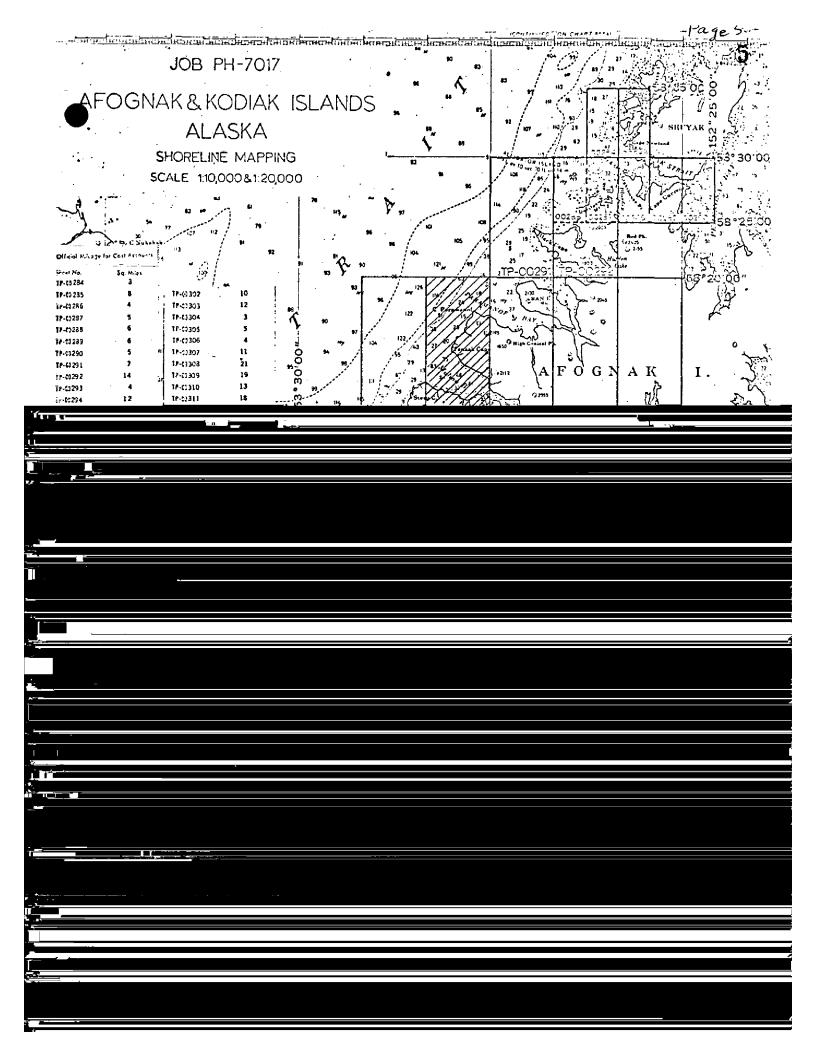
(3-72)

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

TP-00294 RECORD OF SURVEY USE

I. MANUSCR	IPT COPIES							
<u></u>	СО	MPILA	TION STAGE	s			DATE MANUSCE	IPT FORWARDED
0.	ATA COMPILED		DATE		REMARKS		MARINE CHARTS	HYDRO SUPPORT
Compilat	tion complete			Class I	II manuscri	ipt		
	field edit	Ju	in e 1972	1		- L	5/19/72	6/15/70
				superse	ded		3/13/12	6/15/72
 Partial	field edit	Ma	r 1977	Class T	TT Manusar	int	None	None
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Compila		- A)r 1970	Class	Manuscrip	<u> </u>	5/1/78	5/1/78
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II. LANDMA	RKS AND AIDS TO NAVIGA	TION	None	L		 -	<u> </u>	<u> </u>
	RTS TO MARINE CHART DI			DATA BRAN	NCH			_
T	CHARTLETTER		DATE				_	
NUMBER	NUMBER ASSIGNED	FC	RWARDED			REM	ARKS	
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	EPORT TO MARINE CHART EPORT TO AERONAUTICAI							Non e
	AL RECORDS CENTER DAT			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
1. [<u>X]</u> E	RIDGING PHOTOGRAPHS;	X	DUPLICATE	BRIDGING F	EPORT; X C	OMPUTE	R READOUTS.	
2. 🗀 🤆	CONTROL STATION IDENTI	FICAT	TION CARDS;	FORM	NOS 567 SUBMI	TTEDB	Y FIELD PARTIES	
3. [XX] S	OURCE DATA (except for G	eograp	hic Names Re	port) AS LIST	TED IN SECTION	II, NOAA	FORM 76-36C.	
·	ICCOUNT FOR EXCEPTION	13.						
4 🗀 -	ATA TO FEDERAL RECOR	מחב כו	ENTED DAT	E ENDWADD	en: 6/3	187		
								_
IV. SURVEY	EDITIONS (This section s SURVEY NUMBER	hall b	JOB NUMBE		w map edition is r		TYPE OF SURVEY	
SECOND	TP	(2)	PH		1		VISED RE	
EDITION	DATE OF PHOTOGRAPH	17	DATE OF FI	ELD EDIT			MAP CLASS	
					□n.	□m.	□ IV. □ V.	FINAL
	SURVEY NUMBER		JOB NUMBER	Pt .		_	TYPE OF SURVEY	
THIRD	TP -		PH			∐ RE	VISED RE	SURVEY
EDITION	DATE OF PHOTOGRAPH	44	DATE OF FI	ELD EDIT	Dir.	□н.	MAP CLASS □IV. □V.	
	SURVEY NUMBER		JOB NUMBER				TYPE OF SURVEY	
	1	10	PH			_	VISED RE	
FOURTH	TP - DATE OF PHOTOGRAPH	_ (4) ·	DATE OF FI		-		MAP CLASS	
EDITION			1		_ l,	П		\neg





SUMMARY

Project PH-7017, Afognak and Kodiak Islands, Alaska, consists of 33 maps. Seven, TP-00284 through TP-00290, are at 1:10,000 scale and 26, TP-00291 through TP-00316, are at 1:20,000 scale. The project area is the northwestern coast line of Kodiak and Afognak Islands and their interface with Shelikof Strait. The project extends from Big Bay in the northeast to Cape Ugat in the southwest. The photogrammetric survey depicts the shoreline and other cartographic features of mapping interest in the coastal areas and navigable waterways bisecting the islands.

The purpose of the project was to provide shoreline data for maintenance of the Nautical Charting Program and in support of hydrographic survey operations planned for the area.

Field operations consisted of recovery, establishment, and identification (premarking) of horizontal control necessary for aerotriangulation. No field inspection was conducted for this project. Panchromatic photographs required for aerotriangulation of the entire project area and subsequent compilation of the 1:20,000-scale maps were obtained with the RC-9 "M" camera at 1:60,000 scale. Supplemental color photographs at 1:20,000 scale were acquired for those areas to be mapped at 1:20,000 scale using the RC-8 "E" camera. Areas to be mapped at 1:10,000 scale were covered by 1:30,000-scale color compilation photographs also obtained with the RC-8 "E" camera. The 1:30,000-scale compilation photographs were controlled by aerotriangulated points derived from the 1:60,000-scale panchromatic photographs. All calculations pertaining to the vertical relationship of the photographs to the datums, mean lower low water and mean high water, were derived from predicted tidal information.

A field edit was performed by personnel of the Pacific Marine Center's hydrographic survey vessels, while conducting hydrographic survey operations in selected areas. These field edits, occurring over four field seasons, were limited to the boundaries of the hydrographic surveys, thereby creating numerous partially field edited maps. Field edits occurred during the 1972, 1973, 1977, and 1981 field seasons. The aerotriangulation of the project was divided into two phases (Part I and II), in order to expedite the delivery of photogrammetric map data in support of hydrographic survey operations. Eighteen strips of photographs were bridged using analytic aerotriangulation methods. Horizontal control used was field identified (premarked). Vertical control was taken from U. S. Geological Survey quadrangles. Aerotriangulated control proved adequate and meets the requirements of the National Standards of Map Accuracy.

Compilation was performed in the Coastal Mapping Section, Atlantic Marine Center, Norfolk, Virginia. Delineation was accomplished using a Wild B-8 stereoplotter through application of standard shoreline mapping techniques. This was supplemented by graphic compilation techniques in selected areas. Delineation was based on an office interpretation of the 1:60,000 scale panchromatic, and 1:20,000- and 1:30,000-scale natural color, photographs. All line work on the base maps was smooth drafted. In areas where the stage of tide for individual photographs, based on predictions, was determined to be within the required 1 foot of the vertical datum mean lower low water, the approximate datum was delineated on the map using graphic compilation techniques.

Final review was performed in the Coastal Mapping Unit, Rockville Maryland, office. The base maps and associated data of this project meet the requirements of the National Standards of Map Accuracy. The base maps and reports comply with the project instructions.

The Descriptive Reports prepared for each map contain all the information pertaining to the completion of each map.

FIELD INSPECTION

TP-00294

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

PHOTOGRAMMETRIC PLOT REPORT Afognak Island, Alaska Part I Job PH-707117 March 1972

21. Area Covered

This report pertains to 13 sheets on Afognak Island. The sheets are TP-00284 thru TP-00290 at 1:10,000 scale and TP-00291 thru TP-00296 at 1:20,000 scale. The area covered is the northwest shoreline of Afognak Island.

22. Method

Eight strips of photography were bridged by analytic aerotriangulation methods and adjusted to ground on the Alaska state plane coordinate system, zone 5. Strips 1 and 2 of 1:60,000 scale photography were adjusted as a block and used to control the six strips of 1:30,000 scale photography.

23. Adequacy of Control

The horizontal control is sparse in both strips of 1:60,000 scale photography. However the project should still meet the map accuracy standards.

24. Supplemental Data

Vertical control was taken from USGS topographic quadrangles.

25. Photography

The photography was adequate.

Respectfully submitted:

For O. Norman

Don O. Norman Cartographer

Approved and forwarded:

Henry P. Eichert, Chief Aerotriangulation Section

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Fit to Control (x, y) feet
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Strips 1 & 2 (block adjustment)

```
1 BANKS, 1907 (+0.1, +0.1)
2 BEN, 1926 subpoint (-0.5, -0.5)
3 BLUE, 1926 (0.0, +0.4)
4 TIE, 1941 subpoint (-0.2, -0.4)
5 NUN, 1941 (+0.1, +0.3)
6 BAY COVE POINT, 1907 (+0.5, +0.1)
7 DOLPHIN POINT LT., 1941 (-6.0, +5.2)
8 RASPBERRY STRAIT LT., 1941 (+4.9, -3.4)
```

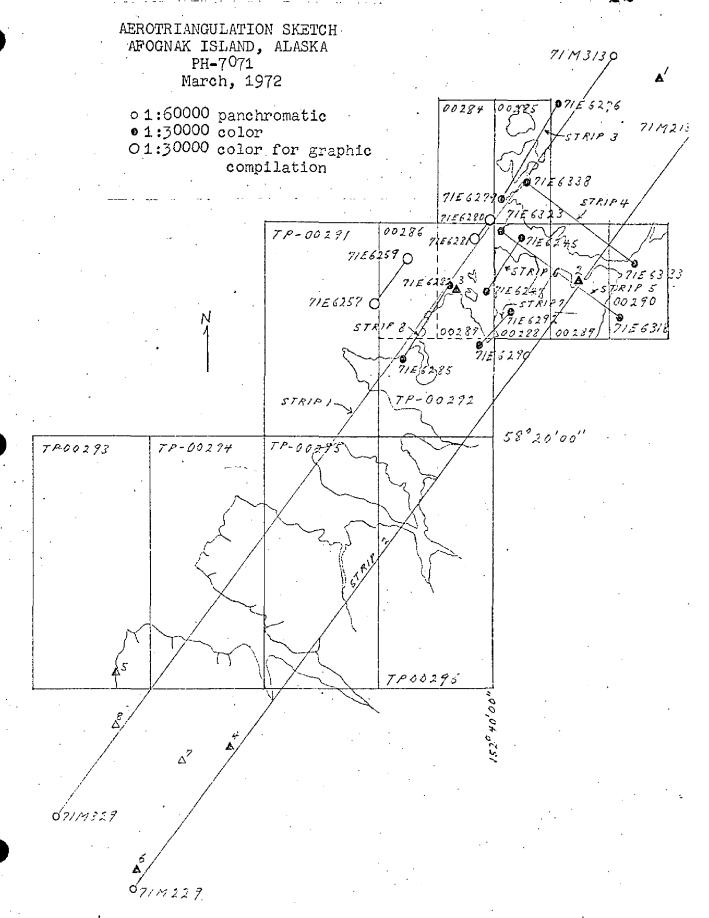
Strip 3

Strip 4

Strip 5

Strip 6

Strip 7	
90801 91801 92801 92802	(0.0, 0.0) (+2.3, -0.9) (0.0, 0.0) (-1.1, -0.7)
Strip 8	
82801 82802 84801 85801 85802	(-2.2, +0.6) (0.0, 0.0) (0.0, 0.0) (-10.7, +4.6)



U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION Coastal Mapping BACK REMARKS FORWARD DATE DATE DATE ORIGINATING ACTIVITY γ rongirube \$\phi\$ LATITUDE SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE. DESCRIPTIVE REPORT CONTROL RECORD ~ 0 ~ Ф. ~ -0-~ Ð \prec Φ. ~ \prec ↔ \prec Φ. ↔ ~ 0 ~ θ. HAND PLOTTING CHECKED BY y=
COMPUTATION CHECKED BY NA 1927 COORDINATES IN FEET LISTING CHECKED BY GEODETIC DATUM STATE ZONE ۳ ¥ **# "** <u>"</u> g a × g I 7 ä £ ***** 3 7 7 3 Ľ, × #, AEROTRI-ANGULATION POINT NUMBER DATE DATE DATE SOURCE OF INFORMATION (Index) PH-7017 ON BOD TP-00294 STATION NAME NONE HAND PLOTTING BY NOAA FORM 76-41 (6-75) COMPUTED BY LISTED BY MAP NO.

COMPILATION REPORT

TP-00294

31. DELINEATION:

Delineation was by the Wild B-8 Stereoplotter, except for the mean lower low water line and some foreshore detail which was added graphically.

The photography was adequate except that the low water coverage was incomplete.

There was no field inspection prior to compilation.

32. CONTROL:

See Photogrammetric Plot Report, dated March 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.

36. OFFSHORE DETAILS:

One island was delineated in Malina Bay at the entrance to Malka Bay. Photograph coverage and quality was such that no problems were encountered.

37. LANDMARKS AND AIDS:

None.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

See form 76-36b, item #5, of the Descriptive Report.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with the following USGS quadrangles: AFOGNAK(A-4), ALASKA, scale 1:63,360, dated 1953 and AFOGNAK (B-4), ALASKA, scale 1:63,360, dated 1954.

47. . . COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with the following National Ocean Survey charts: 8533, scale 1:78,000, 4th edition, April 7, 1969 and 8534, scale 1:78,000, 5th edition, January 30, 1971.

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

None.

ITEMS, TO BE CARRIED FORWARD:

None.

Submitted by:

Cartographic Technician

June 13, 1972

Approved:

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section, AMC

FIELD EDIT REPORT

OPR-478-73

NOAA SHIP RAINIER

CDR. K.W. JEFFERS, Commanding

INTRODUCTION METHODS

Field edit was accomplished by personnel of the NOAA SHIP RAINIER, between 15 May and 19 August 1973. Work was done in a sixteen foot skiff, making landings where it was necessary to verify shoreline character.

Field edit work was begun in the area north of Black Cape, on Afognak Island, at the mouth of Devil Inlet, and extended southwestward to the landward end of the main part of Malina Bay. The shoreline from Cape Paramanof to Cape Tanaak was not inspected. See the reference sketch of field editing completed for precise delineation of work accomplished. Field editing was completed on manuscripts TP-00291, TP-00292, and TP-00296. Field editing was begun but not finished on manuscripts TP-00294 and TP-00295.

All additions and corrections are noted in purple on the field edit discrepancy sheets and in red on the field edit film ozalids. Deletions are noted or accented in green. Photographs used in this field edit were from PH-7017. Values for distances to the mean high water line and rock heights were estimated. All time observations are referenced to 135° West longitude.

Following the text is an appendix comprised of:

- 1) Sketch of field edited shoreline
- 2) List of detached positions
- Complete listing of photo-hydro signal tape
- 4) Copies of triangulation recovery notes for stations used for photo-hydro control

ADEQUACY OF COMPILATION

The compilation of the mean high water line was generally good. Compilation of offshore and foreshore features was often incomplete: several rocks readily identifiable on the photographs were omitted. Time and height data for these items are have been included on the photographs.

DISCUSSTION AND RECOMMENDATIONS

TP-00286 (completed) No special recommendations are required.

TP-00291 (completed) No special recommendations are required.

TP-00292 (completed) No special recommendations are required.

TP-00293, No field edit was done on this sheet.

TP-00294 (not completed) The shoreline of Paramanof Bay on this sheet was field edited as far west as Cape Paramanof. No field edit was done from Cape Paramanof to Tanaak Cape. The shoreline from Tanaak Cape eastward to 153° 00'00"W longitude was field edited, as well as the southern shore of Malina Bay between 153° 01'00" and 153° 02'00"W longitude. The rest of the

shoreline of Malina Bay was not inspected. No special recommendations are required.

TP-00295 (not completed) Only the shoreline of Paramanof Bay was field edited. No special recommendations are required.

TP-00296 (completed) No special recommendations are required.

respectfully submitted,



APPROVAL SHEET

The Field Edit Report is approved as submitted.

K.W. Jeffers // Commander, NOAA

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OPR-478, 1973 - FIELD EDITED	SHORELINE-INDICATED IN BLACK	
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SOLITANDEL VIII - CONTROL CONT		

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey	
Job No. JOB-7071 7017	Map No. TP-00294
Classification No.	Edition No
OPR-478-RA-77	
LOCALIT	Υ
State ALASKA	
General Locality AFOGNAK ISL	AND
Locality .MALINA.BAY	
1977 TO	19
REGISTRY IN AF	RCHIVES
DATE	

☆ U.S. GOVERNMENT PRINTING OFFICE: 1972-760-593

FIELD EDIT REPORT

TP-00294

JOB-7071 7517

OPR-478-RA-77

AFOGNAK ISLAND, ALASKA MALINA BAY

1 FIELD UNIT

MAY 16, 1977 - JUNE 28, 1977 JD (136 - 179)

51 METHODS

The sections of shoreline that required field edit are noted in purple on TP-00294. Shoreline and topographic detail are noted on black and white photographs #324, #325 and on color photos #6730 and #6739. The portions of Malina and Malka Bays that lie east of 153° 02' 00" W and south of 58° 12' 40" N involved both field edit and photo control for visual Hydrography on (H-9684), RA-10-1-77.

To minimize discrepancies of identification and location of rocks, a letter designator A-Z and AA-ZZ was assigned to each rock and transferred to the boatsheet from the various sources. The lettered rocks are included on both TP-00294 and TP-00295. A master listing is included in Table 1, Section 53.

Heights of rocks were estimated at close range by comparing with objects of known elevation. Depths of submerged rocks were determined with a lead line or measured with a tape. The times noted are GMT, (local +9 hours).

Red ink was used for additions or corrections to features on TP-00294. Deletions were noted in green. Purple was used for verifying features.

The field and shipboard routine was executed in the following order:

- 1) Completion of field edit on shoreline not included on hydrographic boatsheet RA-10-1-77.
- 2) Transfer of collected information to black and white chronapaque photographs #324, #325 and color chronapaque photos #6730, #6739.
- 3) Photo signal location for Hydrographic Survey RA-10-1-77 concurrent with field edit.
- 4) Radial plot of photo signals from photographs #6729, #6738, #6739, #6740, #224 and #225 to TP-00294.
- 5) Building signals.
- 6) Annotating dangers on boatsheet RA-10-1-77.
- 7) Returning to areas where rocks were charted but not found at minus tides to confirm or disprove their existence.

52 ADEQUACY OF COMPILATION

The compilation of manuscript TP-00294 is complete and adequate. Compilation of MHWL was excellent requiring no changes. For further in-

formation refer to Descriptive Report H-9684, RA-10-1-77.

53 MAP ACCURACY

The following pages include Figure 5, Table 1 and descriptions of rocks involving additions or corrections. Figure 5 was transferred directly from rough boatsheet RA-10-2-77, (H-9684) providing a pictoral view of each rock and its source. Table 1 is a master list of all rocks in common with Hydrographic Survey (H-9684) and TP-00294 and TP-00295. It lists the rock's geographic position, source, height and time and the action taken upon them. Also included is a narrative description of those rock investigations not adequately described by Table 1.

Rk "CC" (transferred from TP-00294)

This rock is correctly positioned on TP-00294 and is accompanied by an uncharted rock 25 meters inshore from it. It is recommended that both rocks be charted. The rocks were identified as two rocks submerged 2' at 0000Z May 27, 1977 (JD 149) and color photograph 6730 was so annotated.

Rk "DD" (transferred from chart 16604, 1:78,000)

After a thorough investigation of this area at a tide state lower than +2' and inspection of the low water color photography, rock "DD" does not exist at its charted location. It is also felt by the field editor that rock "DD" was merely a misplacement of the previous rock "CC" which lies 30 - 40 meters northwest of the charted rock "DD". Rock "CC" is correctly charted on the T-sheet. Refer to color photo 6738. Note: Rock "DD" has been transferred from chart 16604, 1:78,000 scale. Accurate positioning could have been lost in the scale transfer from 1:78,000 to 1:10,000 scale.

Rk "SS" (transferred from chart 16604, 1:78,000)

Rock "SS" which was transferred to the rough boatsheet from chart 16604 falls 30 meters north of a tip of shoreline. A search pattern was run in a circle with a radius of 100 meters at a +3' tide state and no rocks were visible or submerged in rock "SS"'s charted position. However, a rock baring 4' at 0153Z June 28, 1977 (JD 179) was found approximately 10 meters north of the point and is annotated on photograph #6730. It is recommended this rock be placed inshore of the charted rock position from chart 16604.

Rk "VV" (1,2,3) (transferred from TP-00294, 1:10,000 & chart 16604, 1:78,000)

Rocks "VV1" and "VV2" are from TP-00294 and their positions have been verified. "VV3" was transferred to the 1:10,000 scale boatsheet from

1:78,000 scale chart 16604. Color photograph #6739 (taken at +1' tide state) clearly shows rocks in "VV1" and "VV2" positions and no rock was found in "VV3"'s charted position. It is clear "VV3" is offset due to the scale change and should be deleted having "VV1" and "VV2" as the correct rock positioning. $VV_1=Rk2'$ 1922Z May 26, 1977 on color 6739. $VV_2=Rk4'$ 1921Z May 26, 1977 on color 6739.

56 MISCELLANEOUS (Photo Signals)

Field edit operations for JOB PH-7071, TP-00294, Scale 1:20,000 included the identification and location of 15 visual signals for hydrographic survey operations RA-10-1-77, H-9684, OPR-478-RA-77. Fourteen of the signals were directly identified and one signal (#371) was located by the subpoint method. Programs RK 300 and RK 407 were used to compute the geographic position of the subpointed signal. Field computations for each photo signal and hydro signal are included in the Photo Signal Computations section of the "Separates Following the Text" of Descriptive Report H-9684.

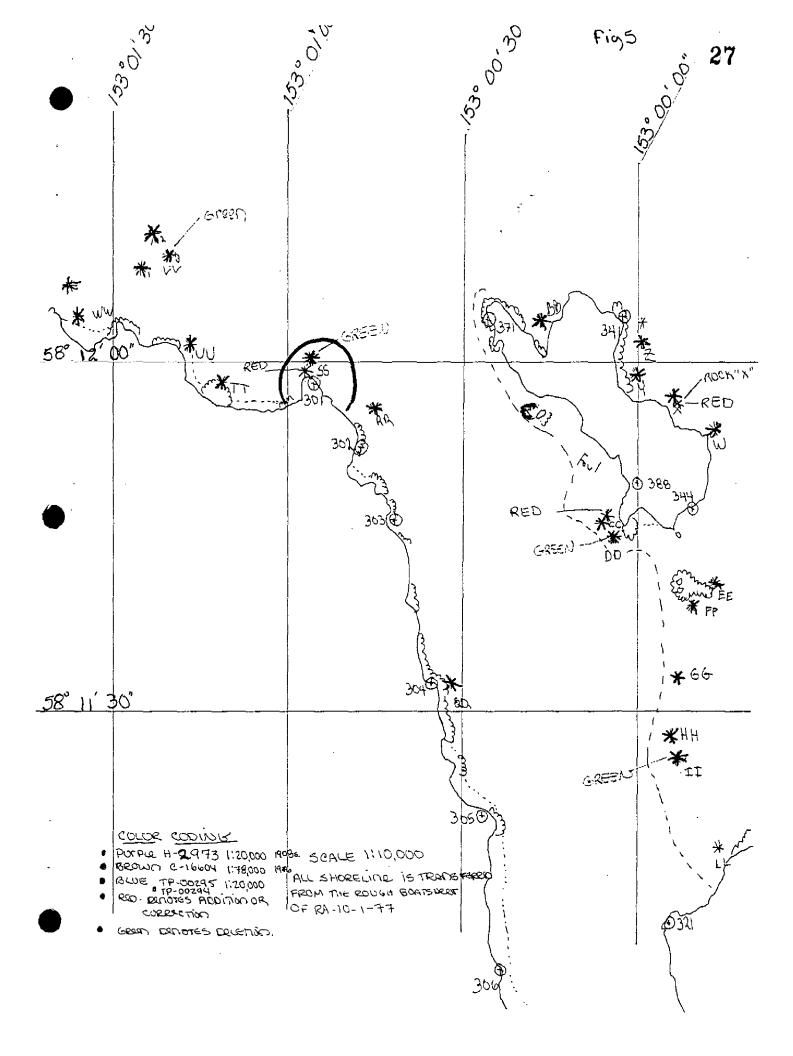
Respectfully submitted,

Marianne Molchan, ENS Field Edit Officer

Approved by,

James P. Randall, CAPT, NOAA

Commanding Officer



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	Rock,7' 1705Z JD 179	Rock 3' 1712Z JD 179	Rock, 4' 1700Z, JD 179	Rock, submerged 3', 2320Z,JD149	Rock, 3' 2023Z, JD 166	Rock, 21 2025Z, JD 166	Rock spit, tip awash, (MHWL)	Rock Awash, 0227Z, JD 179	Rock submerged 1', 0227Z,JD179		Height/time	TABLE 1: ROC
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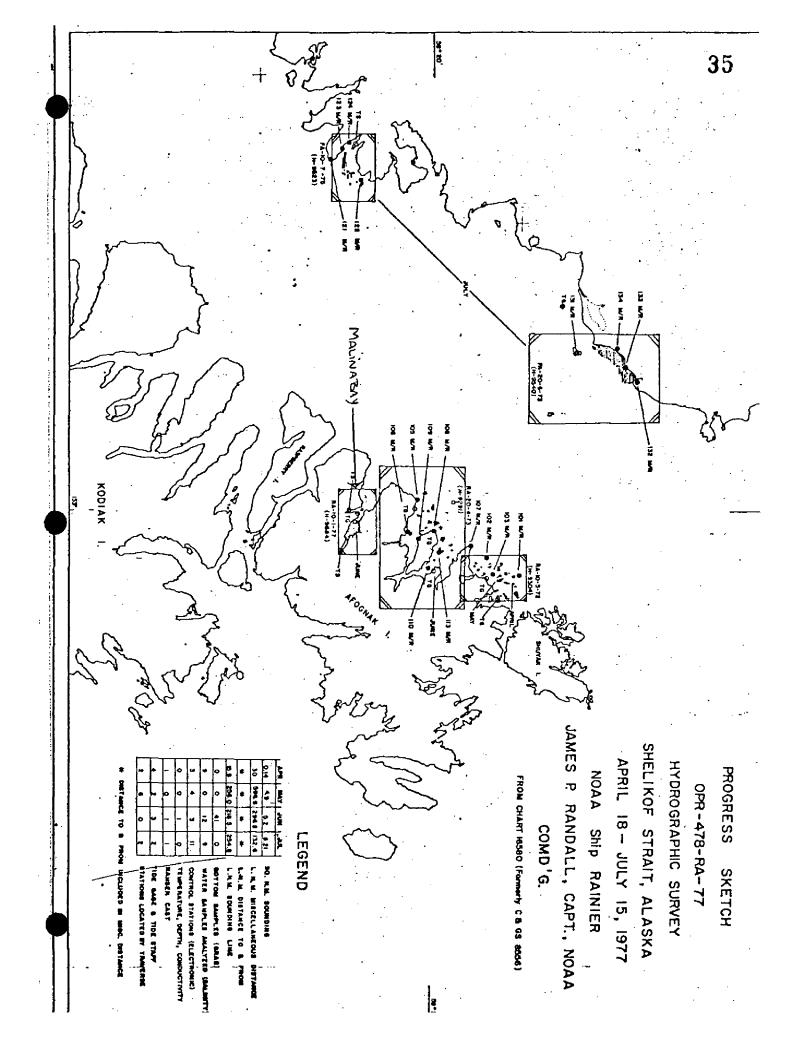
TABLE 1: ROCK INVESTIGATIONS

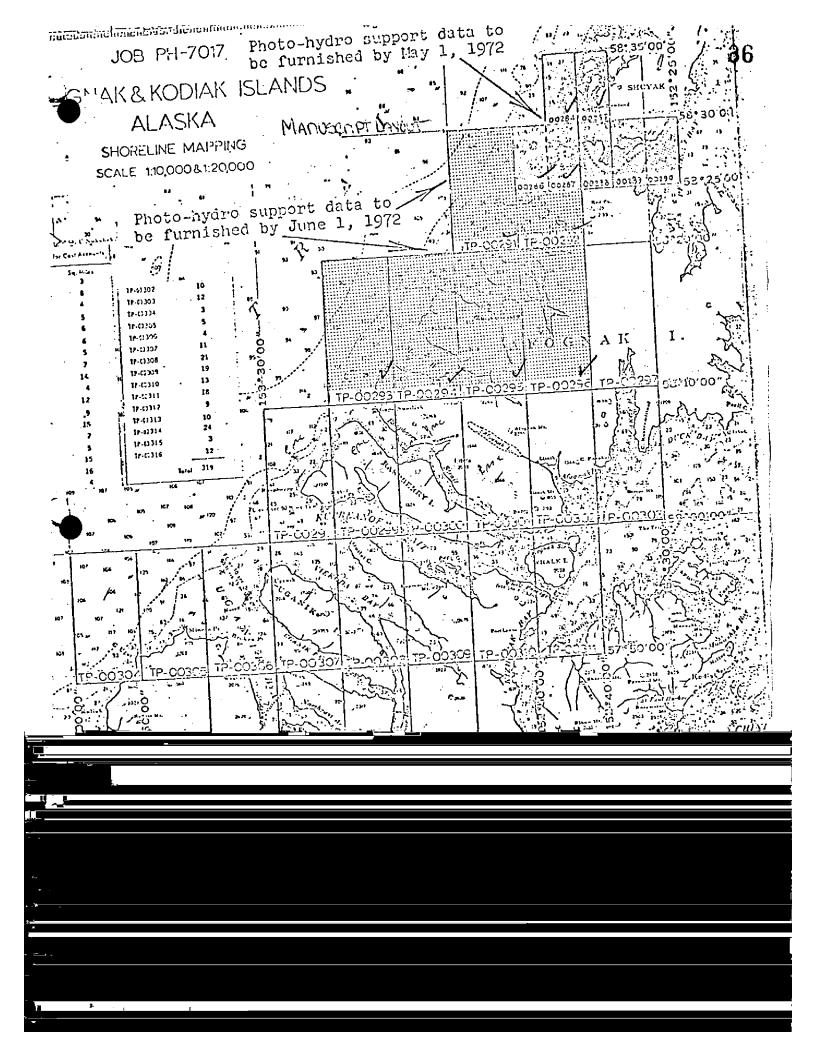
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	Rock 1 JD 149	Rock 11 JD 180	Rock 5	Rock su 2340Z,	Rock su 712340	Not Fou	Rock 4' JD 146	Rock 2* JD 146	Rock, 9	TABLI Height
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SEPARATES FOLLOWING THE TEXT

- 1) Progress Sketch
- 2) Manuscript Layout
- 3) Manuscript Photo Index
- 4) Photo Flight Line

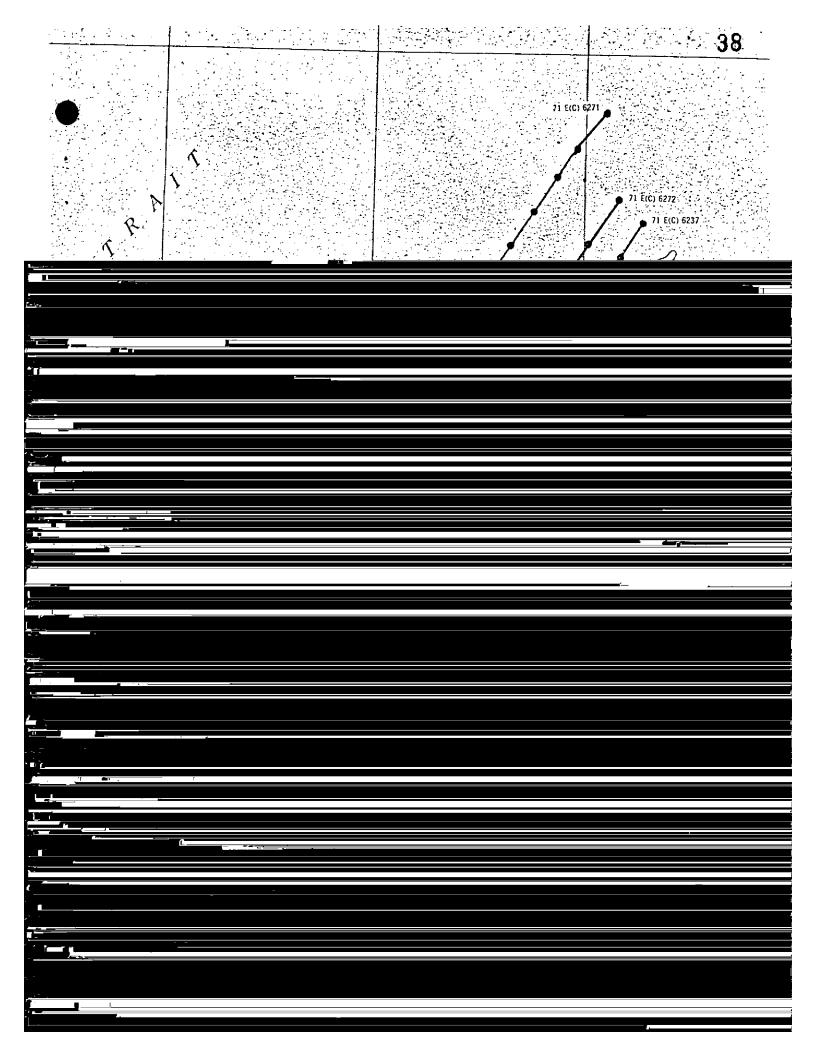




MANUSCRIPT/PHOTOGRAPH INDEX

TP-00294

Photograph					Date	<u> </u>				
324 (B&W)	MAY	25	-	MAY	26,	1977	(JD	145 -	1	.46)
325 (B&W)	MAY	26	-	MAY	28,	1977	(JD	146 -	1	48)
6730 (Color)	MAY	26	_	JUNE	28,	1977	(JD	146	-	179)
6739 (Color)	МΔУ	26	_	.HINE	27	1977	(.10	146		178)



Review Report TP-00294

61. General Statement

Refer to the summary bound with this Descriptive Report for an overview of the photogrammetric operations related to the production of this map and associated data.

62. Comparison with Registered Topographic Surveys

Comparison with registered topographic surveys was not a requirement for this project.

63. Comparison with Maps of Other Agencies

Refer to item 46 of the Compilation Report bound with this Descriptive Report for detailed information on this topic.

64. Comparison with Hydrographic Surveys

Comparison with hydrographic surveys was not a requirement

65. Comparison with Nautical Charts

Refer to item 47 of the Compilation Report bound with this Descriptive Report for information on this topic.

66. Adequacy of Results and Future Surveys

This map meets the National Standards of Map Accuracy and the requirements specified in the project instructions.

67. Mean Lower Low Water Line

An approximate mean lower low water line was delineated within the confines of Malina Bay as it appears on this manuscript. The symbolized line was delineated thru an office interpretation and application by graphic compilation techniques of the 1:20,000-scale "E" camera, color photography listed on NOAA Form 76-36 B, item #1, compilation photography. The stage of

tide indicated for the photographs was based on predicted tides. The mean lower low water line depicted should be considered approximate and advisory only. For more information on the datum, mean lower low water, refer to the contemporary hydrographic survey of the area.

68. Delineation

Map detail was compiled on the Wild B-8 stereoplotter using the 1:60,000-scale "M" camera, panchromatic photography. This was supplemented by office interpretation and graphic compilation techniques of the 1:20,000-scale "E" camera, color photography, both of which are listed on NOAA Form 76-36 B, compilation photography.

Submitted by,

D. Butler Office Reviewer

J/Massey Final Reviewer

Approved by,

Acting Chief, Photogrammetric Production Section

Chief, Photogrammetry Branch

INDEX TO PROJECT DATA AND MATERIAL ON FILE

PH-7017

AFOGNAK AND KODIAK ISLANDS, ALASKA

NATIONAL ARCHIVES/FEDERAL RECORDS CENTER

BROWN JACKETS:* Denotes Field Edit Information

1 of 3: - Project Map Diagram/Photogrammetric Flight
Line Layout

* - 1 Paper & 2 Film Ozalids, TP-00286

* - 1 Paper & 2 Film Ozalids, TP-00287

* - 1 Paper & 2 Film Ozalids, TP-00288

* - 1 Paper & 1 Film Ozalid, TP-00289

* - 1 Paper & 1 Film Ozalid, TP-00290

* - 1 Paper Ozalid, TP-00291

* - 1 Paper Ozalid, TP-00293

* - 1 Paper & 1 Film Ozalid, TP-00294

* - 1 Paper & 1 Film Ozalid, 17-00295 * - 1 Paper & 1 Film Ozalid, TP-00295 * - 1 Paper Ozalid, TP-00296



PHOTOGRAPHS 9X9 FORMAT

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* - NOS 3 Aug. 71 E (C) 7352 thru 7355
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- * NOS 3 Aug. 71 E (C) 7269, 7270, 7272, 7294, 7295
- * NOS 10 Jul. 71 E (C) 6708 thru 6710, 6726 thru 6730, 6734, 6736, 6738, 6739, 6741 thru 6743
- * NOS 10 Jul. 71 E (C) 6642, 6645, 6646, 6648, 6649, 6668
- * NOS 6 Jul. 71 E (C) 6362 thru 6370
- * NOS 5 Jul. 71 E (C) 6217 thru 6226
- * ~ NOS 4 Jul. 71 E (C) 6113
- * NOS 5 Jul. 71 E (C) 6141, 6151, 6152
- * NOS 4 Jul. 71 E (C) 6044 thru 6047, 6049, 6050, 6076 thru 6078, 6081, 6091 thru 6094
- * NOS 4 Jul. 71 E (C) 5995, 5996

PHOTOGRAPH SEGMENTS

- * NOS 4 Jul. 71 M (P) 220
- * NOS 4 Jul. 71 M (P) 221
- NOS 4 Jul. 71 M (P) 222
- * NOS 4 Jul. 71 M (P) 225, Parts A,B,C * NOS 3 AUG. 71 M (P) 319
- * NOS 3 Aug. 71 M (P) 320
- NOS 3 Aug. 71 M (P) 322
- * NOS 3 Aug. 71 M (P) 323 * NOS 3 Aug. 71 M (P) 324, Parts A,B
- * NOS 3 Aug. 71 M (P) 325
- * NOS 3 Aug. 71 M (P) 326, Parts A,B
- * NOS 5 Jul. 71 E (C) 6246
- * NOS 5 Jul. 71 E (C) 6247
- * -- NOS 6 Jul. 71 E (C) 6282
- * NOS 6 Jul. 71 E (C) 6281
- * NOS 6 Jul. 71 E (C) 6283
- * NOS 6 Jul. 71 E (C) 6284
- * NOS 6 Jul. 71 E (C) 6290
- * NOS 6 Jul. 71 E (C) 6291
- * NOS 6 Jul. 71 E (C) 6318
- * NOS 6 Jul. 71 E (C) 6321
- * NOS 6 Jul. 71 E (C) 6323
- NOS 6 Jul. 71 E (C) 6333 - NOS 6 Jul. 71 E (C) 6334
- * NOS 6 Jul. 71 E (C) 6335

PROJECT COMPLETION REPORT

AGENCY ARCHIVES

Registration Copy of the Map Descriptive Report of the Map

PHOTOGRAMMETRIC ELECTRONIC DATA LIBRARY

There is no digital data for this project

REPRODUCTION BRANCH

8X Reduction Negative of Map

OFFICE OF THE STAFF GEOGRAPHER

Geographic Names Standard



RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. $\frac{\text{TP-00294}}{}$

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 Review.

CHART	DATE	CARTOGRAPHER	REMARKS
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
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