NOAA FORM 76-35 (6-80)

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

DESCRIPTIVE REPORT

Map No.	Edition No.
TP-00820	1
Job No.	
CM-7412	
Map Classification	
FINAL MAP - FIELD EDIT	ED
Type of Survey	
SHORELINE	
LOCALIT	Y
State	
Alaska	
General Locality	THE TOP
COOK INLET, EAS CAPE KASILOF TO	TSIDE BARREN ISLANDS
Locality	
KOYUKTOLIK BAY	
	
JULY 1975 TO: 19	
1975 (U. I)	7 80
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REGISTERED IN A	RCHIVES
DATE	
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NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY	SURVEY TP. 00820
THE REPORT OF THE PARTY OF THE	☑ ORIGINAL	MAP EDITION NO. (1)
DESCRIPTIVE REPORT - DATA RECORD	RESURVEY	MAP CLASS FINAL
	REVISED	JOB RM-CM-7412
PHOTOGRAMMETRIC OFFICE	LAST PRECEN	ING MAP EDITION
Coastal Mapping Division,	TYPE OF SURVEY	JOB PH-
AMC, Norfolk, Virginia	ORIGINAL	MAP CLASS
OFFICER-IN-CHARGE	RESURVEY	SURVEY DATES:
Roy K. Matsushige	REVISED	19TO 19
I. INSTRUCTIONS DATED	<u> </u>	
1. OFFICE	2.	FIELO
Aerotriangulation - North Sect. Oct. 6, 1975	 	May 6, 1975
Compilation - North Sect. May 3, 1976		·
Compilation - Amend I Aug. 17,1976		
Aerotriangulation - South Sect. Oct. 4, 1976		
Compilation - South Sect. Aug. 2, 1979		
Compilation - Amend II Jan. 14,1977		
Compilation - SuppleTer TSept.27,1976	}	
II. DATUMS		
1. HORIZONTAL: XX 1927 NORTH AMERICAN	OTHER (Specify)	
1. HORIZONTAL: XX 1927 NORTH AMERICAN		
XX MEAN HIGH-WATER	OTHER (Specify)	
Z. VERTICAL: MEAN LOW-WATER		
MEAN SEA LEVEL	Į.	
3. MAP PROJECTION	4.	GRID(S)
Transverse Mercator	Alaska	ZONE 4
5. SCALE	STATE	ZONE
1:20,000 III. HISTORY OF OFFICE OPERATIONS		<u> </u>
	l haus	0.75
OPERATIONS I. AEROTRIANGULATION BY	B. Thornton	Jan. 1977
METHOD Analytic South Sect LANDMARKS AND AIDS BY	J. Perrow, Jr.	Jan. 1977
2. CONTROL AND BRIDGE POINTS PLOTTED BY	B. Thornton	Jan. 1977
метнор: Coradomat снескер ву	J. Perrow, Jr.	Jan. 1977
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY		
OF OTENCOSCOPIO 113 TOMENT	R. Kravitz	Aug. 1979
COMPILATION CHECKED BY		
COMPILATION CHECKED BY INSTRUMENT: Wild B-8 CONTOURS BY	R. Kravitz F. Mauldin None	Aug. 1979
COMPILATION CHECKED BY INSTRUMENT: Wild B-8 CONTOURS BY SCALE: 1:20,000 CHECKED BY	R. Kravitz F. Mauldin None None	Aug. 1979 Aug. 1979
COMPILATION CHECKED BY INSTRUMENT: Wild B-8 SCALE: 1:20,000 CHECKED BY 4. MANUSCRIPT DELINEATION PLANIMETRY BY	R. Kravitz F. Mauldin None None R. Kravitz	Aug. 1979 Aug. 1979 Aug. 1979
COMPILATION CHECKED BY INSTRUMENT: Wild B-8 CONTOURS BY SCALE: 1:20,000 CHECKED BY 4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY	R. Kravitz F. Mauldin None None R. Kravitz F. Mauldin	Aug. 1979 Aug. 1979 Aug. 1979
COMPILATION CHECKED BY INSTRUMENT: Wild B-8 SCALE: 1:20,000 CHECKED BY 4. MANUSCRIPT DELINEATION PLANIMETRY BY	R. Kravitz F. Mauldin None None R. Kravitz F. Mauldin None	Aug. 1979 Aug. 1979 Aug. 1979
COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:20,000 4. MANUSCRIPT DELINEATION METHOD: Smooth drafted and graphic CHECKED BY CHECKED BY CHECKED BY	R. Kravitz F. Mauldin None None R. Kravitz F. Mauldin	Aug. 1979 Aug. 1979 Aug. 1979
COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:20,000 CHECKED BY 4. MANUSCRIPT DELINEATION CHECKED BY CHECKED BY METHOD: Smooth drafted and graphic CHECKED BY	R. Kravitz F. Mauldin None None R. Kravitz F. Mauldin None None	Aug. 1979 Aug. 1979 Aug. 1979 Sept. 1979
COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:20,000 4. MANUSCRIPT DELINEATION METHOD: Smooth drafted and graphic CONTOURS BY CHECKED BY CHECKED BY CHECKED BY CHECKED BY HYDRO SUPPORT DATA BY	R. Kravitz F. Mauldin None None R. Kravitz F. Mauldin None None R. Kravitz	Aug. 1979 Aug. 1979 Aug. 1979 Sept. 1979 Sept. 1979 Sept. 1979 Sept. 1979
COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:20,000 4. MANUSCRIPT DELINEATION METHOD: Smooth drafted and graphic CONTOURS BY CHECKED BY SCALE: 1:20,000 HYDRO SUPPORT DATA BY CHECKED BY 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY 6. APPLICATION OF FIELD EDIT DATA	R. Kravitz F. Mauldin None None R. Kravitz F. Mauldin None None R. Kravitz F. Mauldin L. Williams	Aug. 1979 Aug. 1979 Aug. 1979 Sept. 1979 Sept. 1979 Sept. 1979 Sept. 1979 Oct. 1981
COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:20,000 CHECKED BY 4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Smooth drafted and graphic CONTOURS BY CHECKED BY SCALE: 1:20,000 HYDRO SUPPORT DATA BY CHECKED BY 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY 6. APPLICATION OF FIELD EDIT DATA CHECKED BY	R. Kravitz F. Mauldin None None R. Kravitz F. Mauldin None None R. Kravitz F. Mauldin L. Mauldin L. Williams C. Blood	Aug. 1979 Aug. 1979 Aug. 1979 Sept. 1979 Sept. 1979 Sept. 1979 Sept. 1979 Oct. 1981 Mar. 1982
COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:20,000 4. MANUSCRIPT DELINEATION METHOD: SMOOTH drafted and graphic CONTOURS BY CHECKED BY SCALE: 1:20,000 HYDRO SUPPORT DATA BY CHECKED BY 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY 6. APPLICATION OF FIELD EDIT DATA CHECKED BY 7. COMPILATION SECTION REVIEW BY	R. Kravitz F. Mauldin None None R. Kravitz F. Mauldin None None R. Kravitz F. Mauldin L. Williams C. Blood C. Blood	Aug. 1979 Aug. 1979 Aug. 1979 Sept. 1979 Sept. 1979 Sept. 1979 Sept. 1979 Oct. 1981 Mar. 1982 Mar. 1982
COMPILATION INSTRUMENT: WILD B-8 SCALE: 1:20,000 4. MANUSCRIPT DELINEATION METHOD: Smooth drafted and graphic CONTOURS BY CHECKED BY SCALE: 1:20,000 HYDRO SUPPORT DATA BY CHECKED BY 5. OFFICE INSPECTION PRIOR TO FIELD EDIT 6. APPLICATION OF FIELD EDIT DATA 7. COMPILATION SECTION REVIEW BY 8. FINAL REVIEW 99	R. Kravitz F. Mauldin None None R. Kravitz F. Mauldin None None R. Kravitz F. Mauldin L. Williams C. Blood G. Blood J. Byrd	Aug. 1979 Aug. 1979 Aug. 1979 Sept. 1979 Sept. 1979 Sept. 1979 Sept. 1979 Oct. 1981 Mar. 1982 May 1985
COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:20,000 4. MANUSCRIPT DELINEATION METHOD: SMOOTH drafted and graphic CONTOURS BY CHECKED BY SCALE: 1:20,000 HYDRO SUPPORT DATA BY CHECKED BY 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY 6. APPLICATION OF FIELD EDIT DATA CHECKED BY 7. COMPILATION SECTION REVIEW BY	R. Kravitz F. Mauldin None None R. Kravitz F. Mauldin None None R. Kravitz F. Mauldin L. Williams C. Blood C. Blood	Aug. 1979 Aug. 1979 Aug. 1979 Sept. 1979 Sept. 1979 Sept. 1979 Sept. 1979 Oct. 1981 Mar. 1982 Mar. 1982

1. COMPILATION PHOTOGRAPH CAMERA(SWILD R.C 87 WILD R.C 10 TIDE STAGE REFERENCE	COM	TP-00820			C ADMINISTRATIO
Wild R.C 87 Wild R.C 10 Tide stage reference	LUN	THE ATION OF			C ADMINISTRATIO AL OCEAN SURVE
CAMERA(SWild R.C 87 Wild R.C 10 TIDE STAGE REFERENCE		IPILATION S	DUKCES		
Wild R.C 10 TIDE STAGE REFERENCE					
TIDE STAGE REFERENCE	E 152.71 mm		PHOTOGRAPHY	TIME REI	FERENCE
•) C 152.74 mm	L	EGEND		ENENGE
DASNICTEM TIMES	1	(C) COLOR		ZONE	
XX PREDICTED TIDES		(P) PANCHI	ROMATIC	Alaska	XXBTANDARD
TIDE CONTROLLED PHOTOG		(i) INFRAR	EO	MERIDIAN 150th	DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE	F TIDE
75C(C) 7220-7225#	Aug. 3, 1975	11:49	1:60,000	9.7 ft. abov	
75E(I)0553-0558*	Jul. 8, 1975	14:05	1:30,000	13.18 ft. ab	
75E(I)0561-0568*	Jul.8,1975	14:16	1:30,000	13.05 ft. ab	ove MLLW
75E(I)0530-0535*	Jul.8,1975	13:45	1:30,000	13.35 ft. ab	ove MLLW
75E(I)0577-0581*	Jul.8,1975	14:36	1:30,000	12.58 ft. ab	ove MLLW
75E(I)0570-0572*	Jul.8,1975	14:28	1:30,000	12.72 ft. ab	ove MLLW
75E(I)0688-0692**	Jul.9,1975	09:35	1:30.000	0.79 ft. bel	ow MLLW
75E(I)0978-0982**	Jul. 10, 1975	10:08	1:30,000	1.48 ft. bel	
75E(I)0985-0989**	Jul. 10, 1975	10:14	1:30,000	1.20 ft. bel	
76E(I)4726-4727**	Jun. 27, 1976	09:47	1:30,000	1.00 ft. abo	
<u>76E(I)4367 ** </u>	<u>Jun. 26, 1976</u>	08:38		<u>10.54 ft. abo</u> ne Port Chatham	
corrections for				is 13.5 ft. al	
_ infrared photog		bbrrea co		Tide Range is	
2. SOURCE OF MEAN HIGH-WAT		والمستهدم المراجع			
3. SOURCE OF MEAN LOW-WATE	ED OR MEAN LOWER LO	W.WATER I INF			
SI SOURCE OF MEAN EOW-MAIL	IN ON MEAN EGNEN EG	WALL BILL			
** The MLLW line			from the abo	ove listed tide	
coordinated ML	LW infrared pho	tographs.			
		•			
					<u> </u>
4. CONTEMPORARY HYDROGRA	.PHIC SURVEYS (List of	nly those survey:	s that are sources fo	or photogrammetric survey	information.)
	SURVEYS (List of				information.) VEY COPY USED
	·		s that are sources for		
	·				<u> </u>
SURVEY NUMBER DATE(S)	·				<u> </u>
SURVEY NUMBER DATE(S) 5. FINAL JUNCTIONS	·		VEY NUMBER		
SURVEY NUMBER DATE(S) 5. FINAL JUNCTIONS NORTHTP-00814	SURVEY COP	Y USED SUR	VEY NUMBER	DATE(S) SURT	VEY COPY USED
SURVEY NUMBER DATE(S) 5. FINAL JUNCTIONS	SURVEY COP	Y USED SUR	VEY NUMBER	DATE(S) SUR	VEY COPY USED

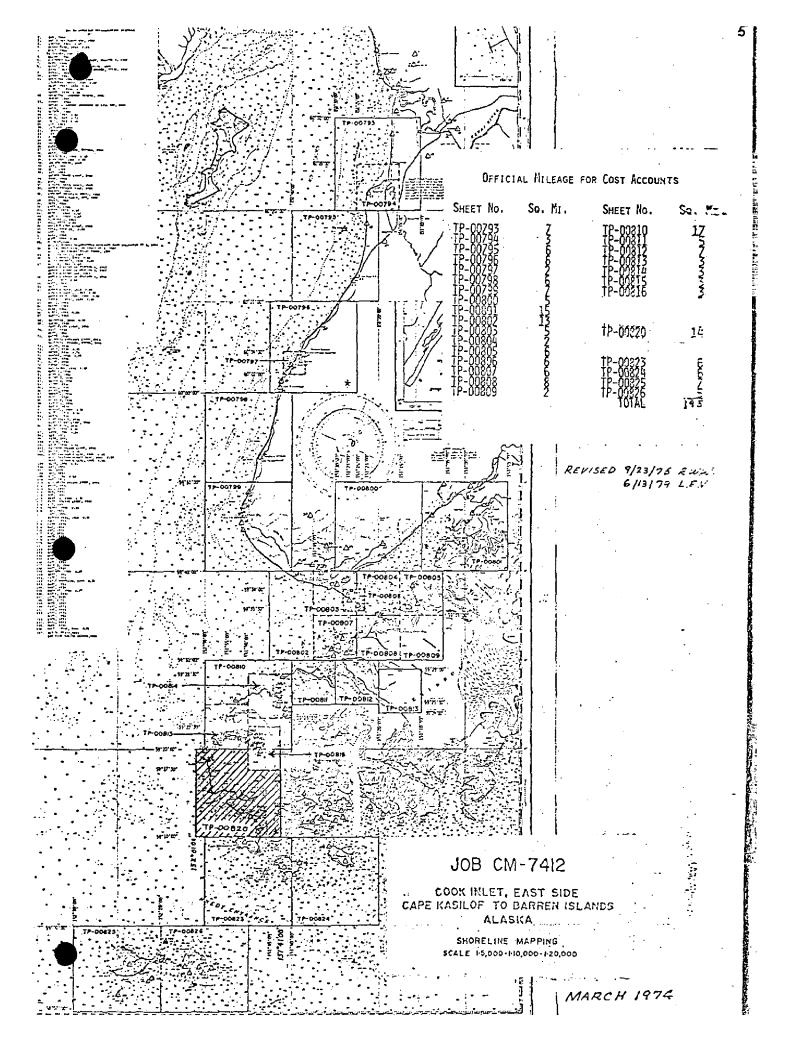
3-72)		TP-00820	=		RIC ADMINISTRAT DNAL OCEAN SUR
I. 🔀 FIELD INSP	ECTION OPER	ATION (Premarking) [] FIEL	D EDIT OPERATION		
	OPI	ERATION	, N	AME	DATE
I. CHIEF OF FIEL	D PARTY		R. Melby		June 197
		RECOVERED BY	R. Melby		
. HORIZONTAL (CONTROL	ESTABLISHED BY	None		<u> June 197</u>
		PRE-MARKED OR IDENTIFIED BY	L. Riggers		June 197
		RECOVERED BY	N.A.		
L VERTICAL CON	ITROL	ESTABLISHED BY	N.A.	<u> </u>	
		PRE-MARKED OR IDENTIFIED BY	N.A.		
	RE	COVERED (Triangulation Stations) BY	None		
LANDMARKS AL	ND	LOCATED (Field Methods) BY	None		
AIDS TO NAVIG	ATION	IDENTIFIED BY	None		
		TYPE OF INVESTIGATION			
GEOGRAPHIC		COMPLETE BY			
INVESTIGATION	ч	SPECIFIC NAMES ONLY			
		XXNO INVESTIGATION		<u> </u>	
PHOTO INSPEC	TION	CLARIFICATION OF DETAILS BY	None		
. BOUNDARIES A	ND LIMITS	SURVEYED OR IDENTIFIED BY	N.A.		
I. SOURCE DATA	AUTROL INC	W. C. C. C.	TA MEDITION CONT	TOOL IDENTIFIED	
, HORIZONTAL C	ON I ROL IDEI	NIFIED	2. VERTICAL CON	I NOL IDENTIFIED	
Paneled	· · · · · · · · · · · · · · · · · · ·		N.A.		
PHOTO NUMBER		STATION NAME	PHOTO NUMBER	STATION D	ESIGNATION
75C (C) 7223	ADAM, 19	06			
75Z(C)6751	FLAT ISL	AND, 1956			
75C (C) 7220	CROWN, 1	906			
, PHOTO NUMBE	RS (Clarification	on of details)	<u> </u>		
None					
I. LANDMARKS AI	ND AIDS TO NA	AVIGATION IDENTIFIED			
None					
РНОТО NUMBER		OBJECT NAME	PHOTO NUMBER	OBJEC	TNAME
, GEOGRAPHIC N	AMES:	REPORT XX NONE	6. BOUNDARY AND	LIMITE: (T) DEF	100* = NONE
. SUPPLEMENTA			I & BOOKBART AND	LIMITS. LINE	ONT XX THOME
None					
	RECORDS (Ske	tch books, etc. DO NOT list data submit	ted to the Geodesy Div	rision)	
		orms 277 & 1 Form 77-53			
J			,-2402 MCCOIU	200kg/	
	. J. r.	orms 152 (CSI Cards)			

(3-72)	TP-00820)	NIC AND ATMOSPHERIC	ENT OF COMMERC C ADMINISTRATIO AL OCEAN SURVE
L Control of the control	HISTORY OF FIELD	<u> </u>		
I. FIELD INSPECTION		D EDIT OPERATION		T
	OPERATION	 	NAME	DATE
1. CHIEF OF FIELD PART	Y	A. Patrick		July 1980
	RECOVERED BY	V. Ross		July 1980
2. HORIZONTAL CONTROL		V. Ross		July 1980
	PRE-MARKED OR IDENTIFIED BY	None		ļ
5 MEDITON 0007501	RECOVERED BY	None		<u> </u>
3. VERTICAL CONTROL	ESTABLISHED BY	None		
	PRE-MARKED OR IDENTIFIED BY	V. Ross		Tule: 1000
4. LANDMARKS AND	RECOVERED (Triangulation Stations) BY	V. Ross		July 1980 July 1980
AIDS TO NAVIGATION	LOCATED (Field Methods) BY	V. Ross		1 201A 1300
	TYPE OF INVESTIGATION	7. 1033		
5. GEOGRAPHIC NAMES	COMPLETE			
INVESTIGATION	SPECIFIC NAMES ONLY			1
	NO INVESTIGATION	C. Hancock		July 1980
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	C. Hancock		July 1980
7. BOUNDARIES AND LIMIT	S SURVEYED OR IDENTIFIED BY	N.A.		
II. SOURCE DATA		14		
1. HORIZONTAL CONTROL	IDENTIFIED	2. VERTICAL CON	TROL IDENTIFIED	
None		None PHOTO NUMBER	STATION DES	
3. PHOTO NUMBERS (Claris NOS - 10 July 7 NOS - 9 July 75	5 ER 0978-Ó982, 0985-0989	NOS 29 June	76 ER 4726,4727	,
4. LANDMARKS AND AIDS	TO NAVIGATION IDENTIFIED			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT	NAME
5. GEOGRAPHIC NAMES;	REPORT NONE	6. BOUNDARY AN	D LIMITS: REPOR	TT NONE
7. SUPPLEMENTAL MAPS A	AND PLANS			
Field Edit Fix	Volume for TP-820 (OPR-P114 Volume for TP-820 (OPR-P114 Volume for TP-820 (OPR-P114 Pages 76 TP-820 (OPR-P114 Page Photogrammetric Stations-Signal Tage (ASC)	4-FA-80) Vol.: 4-FA-80) Vol.:	l of 2 4 pages 2 of 2 Time of	Abstract Field Edit ls

NOAA FORM 76-36D (3-72)

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

			RECO	RD OF SURVE	Y USE			
I. MANUS	CRIPT COPIES						<u> </u>	
	c	OMPIL/	ATION STAGE	<u>.s</u>			DATE MANUSCRI	IPT FORWARDED
	DATA COMPILED	1.	DATE	RE	EMARKS	!	MARINE CHARTS	HYDRO SUPPORT
	ation complete, ng field edit	Şej	pt 179	Class III	Manuscri	pt	10/17/79	11/16/79
	edit applied ation Complete	Mar	ř 82	Class I Ma	anuscript			
Final	Review	May	ý´ ′85	Final Clas	ss I Map		mar 1986	mar 1986
II. LANDA	MARKS AND AIDS TO NAVIG	ATION						
1. REP	ORTS TO MARINE CHART D	VISIO	N, NAUTICAL	DATA BRANCH				
NUMBER	CHART LETTER NUMBER ASSIGNED	F	DATE ORWARDED			REM	ARKS	
1		ma	r 1986	Aid for Ch	narts			
1		ın2,	r 1286	Landmark f	for Charts	5		
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	REPORT TO MARINE CHAR							
III. FEDE	RAL RECORDS CENTER DA	,TA						
2. 🔀	BRIDGING PHOTOGRAPHS; CONTROL STATION IDENT SOURCE DATA (except for C ACCOUNT FOR EXCEPTION	FIFICAT Geograp	TION CARDS;		S X ST SUBMIT	TED BY	Y FIELD PARTIES.	
4 🗀) DATA TO FEDERAL RECO	ROS C	ENTER, DAT	E FORWARDED:			···	_
	EY EDITIONS (This section :				adition is rec	-istared		
17. #40	SURVEY NUMBER	Ino	JOB NUMBER		T	_ 7	TYPE OF SURVEY	
SECOND	TP	(2)	PH			REV	VISED RES	SÜRVEY
EDITION	DATE OF PHOTOGRAP	нү	DATE OF FI	ELO EDIT] 	<u> </u>		FINAL
	SURVEY NUMBER		JOB NUMBER	R		_	TYPE OF SURVEY	
THIRD	тР -	_ (3)	PH			REV		IURVEY
EDITION		н	DATE OF FI	· · · · · · · · · · · · · · · · · · ·	<u>□</u> 11.	□m.		FINAL
	SURVEY NUMBER		JOB NUMBER	R		_	TYPE OF SURVEY	
FOURTH	TP - DATE OF PHOTOGRAP	_ (4)	PH -		1	∐ REV		JRV ÉY
EDITION	DATE OF PROTOGRAP	HY /	DATE OF FI	ELD EDIT	□	П.,	MAP CLASS	DFINAL



SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

TP-00820

This 1:20,000 Final shoreline map is one of twenty-nine maps designated as project CM-7412, Cook Inlet, East Side, Cape Kasilof to Barren Islands, Alaska.

The purpose of this project was to provide current charting information for nautical chart maintenance and to furnish support data for hydrographic operations. This Final Map portrays the Chugach Islands and Kenai Peninsula west of longitude 151°41'00" and from latitude 59°10'00" to latitude 59°20'00"; this area includes Port Chatham, Koyuktolik Bay, and Flat Island.

Field work prior to compilation consisted of the recovery and identification of the horizontal control necessary for the aerotriangulation of the project and establishing and monitoring tide gages while the photography was being taken for the tide coordinated infrared photographs. This activity was completed in June 1976.

Photograph coverage was adequately provided by natural color and infrared tide coordinated photographs. The RC-10 (C) camera was used to expose the natural color film required for the 1:60,000 scale aerotriangulation, compilation photographs taken August 1975. The RC-8 (E) camera was used for the infrared black and white 1:30,000 scale photographs taken June 1976. The infrared photographs were used to supplement the color compilation photography.

Analytic aerotriangulation was adequately provided by the Washington Science Center for the south part of the project January 1977. Aerotriangulation operations included ruling the base manuscript and determining ratio values for the infrared photographs.

Compilation, based upon photo interpretation, was performed by the Coastal Mapping Unit at the Atlantic Marine Center in September 1979. Refer to the compilation report, Item #31 and NOAA Form 76-36B for specific usage of the photography.

Field edit was conducted in July 1980 by hydrographic personnel assigned to the NOAA ship FAIRWEATHER. Field edit for this manuscript is complete and was applied to the manuscript by the Coastal Mapping Unit, Atlantic Marine Center in March 1982.

Final review was performed in at the Atlantic Marine Center in May 1985. 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

TP-00820

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification (premarking) of the horizontal control necessary for the aerotriangulation of the project and the monitoring of tide gages for the tide coordinated infrared photographs.

Photogrammetric Plot Report Cape Kasilof to Barren Islands Job CM-7412 South Art January 1977

Job Index was revised June 13, 1979 Number of sheets compiled, revised March 7, 1984 C.E.B.

Area Covered

The area covered by this report is the south central coastal area of Cook Inlet, Alaska, from Cape Kasilof to Barren Island. This area is covered by Siven 1:20,000 scale sheets, Fight 1:10,000 scale sheets, and seven 1:5,000 scale sheets.

Method

Nine strips (four 1:60,000 scale, five 1:30,000 scale) of bridging photography were measured by analytic aerotriangulation methods. The nine strips of bridging photography were controlled by field identified control including some additional points drilled and tied from the 1:60,000 scale photography to the 1:30,000 scale photography where field identified control was inadequate for a satisfactory strip adjustment.

Common points were located on the bridging photography and the tide controlled IR for ratio purposes. Tie points were used in all strips to insure an adequate junction of all strips during the strip adjustments. Ties to the compilation photography were made also.

The manuscripts are being plotted on the coradomat and will be sent upon completion.

Ratios have been ordered for the MHW and MLLW (1-6-77). A copy of this order will be included in this report.

Adequacy of Control

Several stations (Tutka-000158, Halibut Cove Light, Panel - 12101, Table Mtn., Panel-178101) were bad due to snow coverage or other reasons which made it difficult to obtain an adjustment adequate to N.M.A.S.

Strip #1, 76-C(C) 4975 thru 4987 was terminated early when flown, (planned originally to extend from sheet 801 thru 823) which gave us weak and poorly distributed control to properly check and strengthen overlapping strips.

There was a problem with the "C" camera, which was used for several of the bridging strips, that introduced a random error into the strip adjustments. This problem was bypassed by removing the correction values for film distortion in the strip adjustments.

In conclusion, with all the problems incountered and their respective errors introduced into the job, the adequacy of control overall is fair.

Supplemental Data

USGS quadrangles were used to provide vertical control for the strip adjustments.

Photography

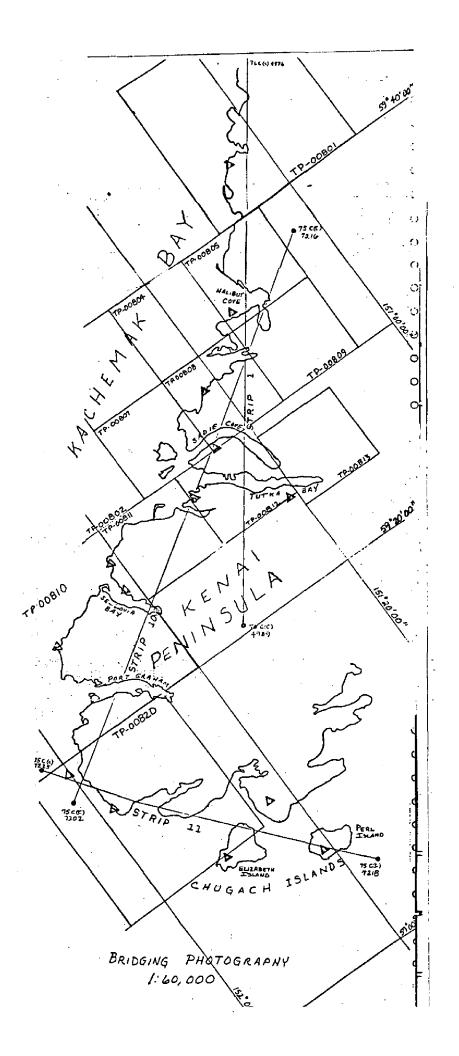
The coverage, overlap and quality of the photography was adequate for the job with the exception of the above mentioned "C" camera.

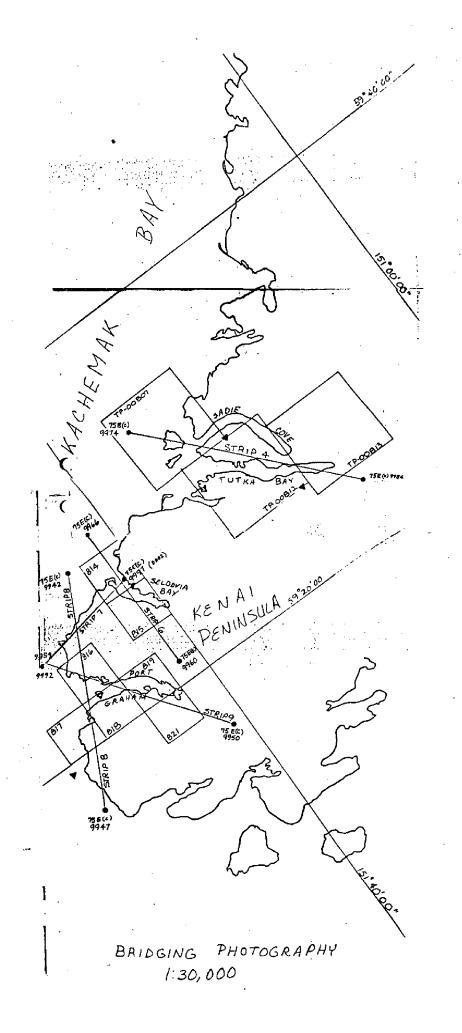
Submitted by:

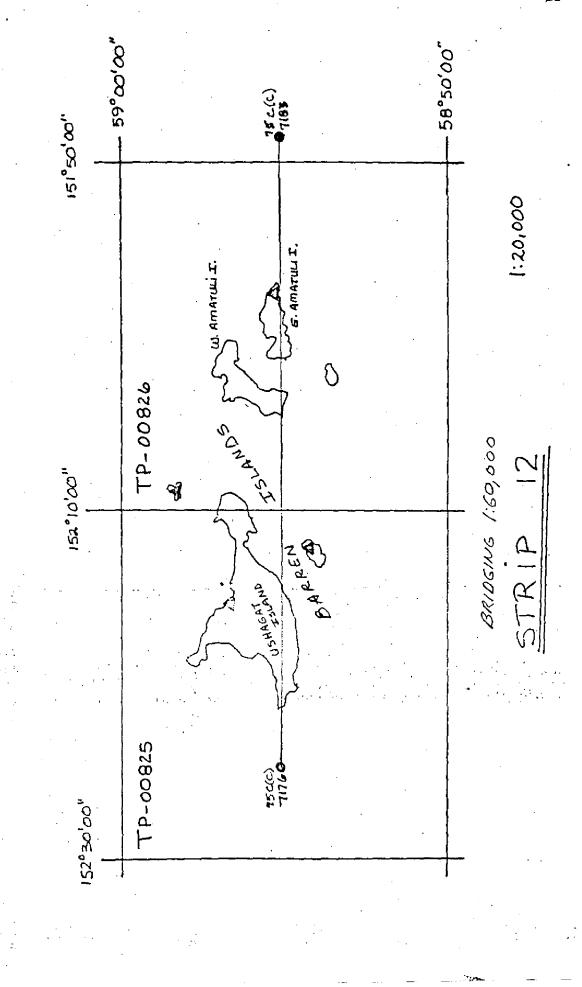
Brian Thornton

Approved and Forwarded:

Chief, Aerotriangulation Section







Li strip a		
	y-error_	y-error
Strep # 1	1.092	-, 446
310100. 310100. 307100	-3,443	1.765
12100	<i>. 60</i> 3	-1.021
984100	3.971	047
972101		<u>076</u>
986101	<u>/. 253</u>	.431
		·
Strip#10		
203100	543	-3.772
944100	2.985	4.840
206100	- 3,549	-3.305
207100	1.142	5.249
922101	3/8	-3.937
12100	845	1.438
· · · · · · · · · · · · · · · · · · ·		
Strip #12		· ·
178101	3.435	2.681
179100	1.047	-3.350
180101	-4.475	1.956
181100	<u> </u>	-1.299

	1/ - 2 1 1 4 .	ب ما ده در د
Strip #11		y-error
219/0/	1.518	.598
	-3.964	
223100	3.269	-3.324
203100	840.	2.100
	<u>,</u>	
trip #4		
915801	.00/	. 006
911101	001	<i>0</i> 05_
985805	.001	<i>0</i> 03
<u> </u>		
ttrip #6		
206100	.000	-0/0
964100	001	011
207100	.006	- 007
•		<u> </u>
#rip #7		
992112	-3.929	-1.672
941100	1. 088	<u>3.25</u> 3
964100	<u> 570</u>	913
169	-1.089	030

941100 -1.2540 -2.540 -1.094	Itzip #8	y-eizec	yerrer
944100 1.521 -1.094 303100 -1.481 632 203802 1.826 -2.245 1.926 -515 1.133 944100 3.529 204803 118 612 204804 1.503 -1.036		-1:185	- 2.540
203100 -1.481632 203802 1.826 -2.245 Lip #9 955/01515 1.133 944100 3.529 2.770 204803118672 204804 1.503 -1.036	244100		-1.094
1.133 955/01515 1.133 944100 3.529 3.770 204803118672 204804 1.503 -1.036	South the state of		632
955/01 515 1.133 944/00 3.529 3.770 204803 118 672 204804 1.503 -1.036	203802	1.826	-2245
955/01 515 1.133 944/00 3.529 3.770 204803 118 672 204804 1.503 -1.036	trup #9		
204803118612 204804 1.503 -1.036		<u>5</u> ,5	1.733
204804 1.503 -1.036	944100	3,529	<u>a.</u> 770
	204803	<u>1/8</u>	672
204806621 .619	204804	1.503	-1.036
	204806	621	<u>.</u> 619
		•	

1 of 3

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NOAA FORM 76-41 (6-75)					U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		-
MAP NO.	JOB NO.		GEODETIC DATUM	ORIGINATING ACTIVITY COASTAL	"IY Coastal Mapping
TP-00820	CM-7412		N.A. 1927	AMC,	Norfolk, VA
	SOURCE OF	AEROTRI-	¥	IU .	
STATION NAME	INFORMATION (Index)	ANCULATION POINT NUMBER	STATE_ALASKA ZONE 4	φ LATITUDE λ LONGITUDE	REMARKS
	Ouad 59151	No bridge	χ=	φ 59 19 53.423	
FLAT ISLAND, 1956		number	ige. γ	λ 151 59 33.865	
`	Ouad. 59151		±x	φ 59 19 53,806	
FLAT ISLAND LIGHT, 1956	. ~	000095	y=	λ 151 59 34.030	
	Ouad, 59151		χ=	φ 59 18 48.527	
POINT BEDES, 1956		960000	ή=	λ 151 59 13.374	
	Ollad. 59151		-χ	φ 59 18 23.702	
BEDE, 1908	. (1)	177	y=	λ 151 58 03.751	
	Ouad. 59151	No bridge	=X	\$ 59 15 23:50	
АДАМ, 1906			y=	λ 151 58 25.42	
	Ouad. 59151		±χ.	φ 59 12 45.472	···
GAB, 1931	6	860000	y=	λ 151 52 19.508	
	Ouad. 59151		χ=	φ 59 12 15.821	
CROW, 1931		66	y=	λ 151 49 43.688	
	Ouad, 59151		=X	φ 59 12 09.757	
CLAIM, 1931	1	100	y=	λ 151 48 48.343	
	Ouad. 59151		χ=	φ 59 12 28.049	
KELP, 1906	_ 🖺	101	y=	λ 151 47 57.532	
	Ouad. 59151	a	=χ	φ 59 13 06.464	•
KEYES, 1906	Ξ	103	<i>д</i> =	λ 151 46 30.362	
COMPUTED BY A. C. Rauck, Jr.		DATE 6/21/76	COMPUTATION CHECKED BY J. R. Minton]. 	DATE Nov. 5, 1976
red BY		DATE	-		DATE
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE
		SUPERSEDES NO	SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.	CH IS OBSOLETE.	

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110 1 1 COM 25 41) = 0 10 10	DEPARTMENT OF COMMERCE
(6-75)		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
MAP NO.	JOB NO.		GEODETIC DATUM	ORIGINATING ACTIVITY	ITY Coastal Manning
TP-00820	CM-741	12	N.A. 1927	Unit, AMC, Norfolk,	Jk, VA
, and the second	SOURCE OF	AEROTRI-	COORDINATES IN FEET	POSITION	
STATION NAME	INFORMATION (Index)	POINT	ZONE 4	φ LATITUDE λ LONGITUDE	REMARKS
	Quad. 59151		=X	Φ 59 11 34.652	
SLIP, 1906	Pg. 20	105	y=	λ 1.51 45 36.228	
0 9 9 9 9 9 9 9 9 9 9	Quad. 59151		-χ-	φ 59 10 43,692	
LIZ, 1931	Pg. 13	106	<i>β</i> =	λ 151 49 18.046	
	Ouad. 59151		<i>=</i> χ	φ 59 10 30 927	
ON, 1931	Pg. 15	107	ή=	λ 151 50 00.481	
	Ouad. 59151		=X		
STREAK, 1931	_		=ħ	λ 151 45 31.963	
PORT CHATHAM	Ouad. 59151		=X	13	
	17	104	±ħ	λ 151 44 58.363	
PORT CHATHAM	Quad. 59151		=X	φ 59 13 28.016	
	Pg. 17	178	ĥ=	λ 151 44 42.154	
PORT CHATHAM	Quad. 59151		<i>=</i> χ	φ 59 13 11.864	
	17	179	η=	λ 151 44 12.795	
	Quad. 59151		-χ	φ 59 10 39.549	
CROWN, 1906	Pg. 6	220100	y=	λ 151 44 08.347	
			-χ	φ 59 10 49.430	
JACQUELINE, 1980	Field Pos.		η=	λ 151 47 58.498	
			-χ	φ 59 12 40,244	•
CHROME, 1980	Field Pos.		y=	λ 151 48 21.771	
COMPUTED BY A. C. Ranck, Jr.		DATE 6/21/76	COMPUTATION CHECKED BY J. R. Minton		DATE 11/3/76
			Ů Z		DATE
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE
		SUPERSEDES N	SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.	TH IS OBSOLETE.	

				3 of 3	
NOAA FORM 76-41 (6-75)		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
MAP NO.	ON BOF		GEODETIC DATUM	ORIGINATING ACTIVITY	1TY Coastal Mapping
TP-00820	CM-74	112	N.A. 1927	Unit, AMC, No.	lk, VA
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET STATE Alaska ZONE 4	GEOGRAPHIC POSITION	REMARKS
ALBERTA. 1980	Field Pos.		=X	59 10	
	}		χ :: χ	Λ 151 45 45.207	
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			χ=	ф	
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			χ=	ф	
			y=	γ	
			χ=	•	
			<i>y</i> =	γ	
			=X	φ	
	;		<i>i</i> h=	٧	
COMPUTED BY A. C. Rauck, Jr.		DATE 6/21/76	COMPUTATION CHECKED BY J. R. Minton		DATE 11/3/76
		DATE	LISTING CHECKED BY		DATE
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE
		SUPERSEDES NO	SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.	CH IS OBSOLETE.	

COMPILATION REPORT

TP-00820

31 - DELINEATION

Delineation was accomplished by stereo instrument and graphic compilation methods. The Wild B-8 stereoplotter with 1:60,000 scale color bridging photographs was used to delineate alongshore and interior detail, and to locate common image points to graphically control the 1:30,000 scale infrared photography. Supplemental tide coordinated infrared ratio photographs for both MHW and MLLW were used to delineate the MHW and MLLW lines.

All photographs used to compile this map are listed on NOAA Form 76-36B. Photography was adequate.

32 - CONTROL

Horizontal control was adequate. Refer to the Photogrammetric Plot Report, dated January, 1977.

33 - SUPPLEMENTAL DATA

None.

34 - CONTOURS AND DRAINAGE

Contours were not applicable to this project.

Drainage was compiled from interpretation of the photographs and delineated by using the Wild B-8 stereoplotter.

35 - SHORELINE AND ALONGSHORE DETAILS

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

The mean high water line was delineated from the photographs described in item #31.

36 - OFFSHORE DETAILS

Offshore detail was compiled by instrument methods as described in item #31. Dora Reef was not visible on the photographs.

TP-00820

37 - LANDMARKS AND AIDS

Within the limits of this manuscript there was one (1) landmark and one (1) aid. The one aid is a triangulation station.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

Refer to the Data Record Form 76-37B, item 5.

40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to Photogrammetric Plot Report, dated Jan., 1977.

46 - COMPARISON WITH EXISTING MAPS

A comparison has been made with the U.S. Geological Survey Quadrangle:

Seldovia (A-5), Alaska, scale 1:63,360, dated 1953

Seldovia (A-6), Alaska, scale 1:63,360, dated 1952

Seldovia (B-5), Alaska, scale 1:63,360, dated 1951

Seldovia (B-6), Alaska, scale 1:63,360, dated 1953.

47 - COMPARISON WITH NAUTICAL CHARTS

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

No. 16645, scale 1:82,662, 9th edition, dated Apr. 21, 1973

NO. 16646, scale 1:20,000, 7th edition, dated Mar. 29, 1975

No. 16640, scale 1:200,00, 9th edition, dated May 10, 1965.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

TP-00820

Submitted by:

Robert R. Kravitz Cartographic Technician August 22, 1979

Approved:

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

ADDENDUM TO COMPILATION REPORT

TP-00820

This 1:20,000 scale manuscript was field edited with rock detail more appropriate for a 1:5,000 scale manuscript.

All the field edited rocks could not be shown at the 1:20,000 scale of this manuscript. Where all the edited rocks could not be shown, only the highest or most offshore rocks are shown.

The MASTER FIELD EDIT PRINT indicates the position of rocks; in most places this is in agreement with the photograph. However some of the rocks were located from photographs or Fix positions which do not agree with the positions indicated on the MASTER FIELD EDIT PRINT.

The most offshore rock off the point south of Koyuktolik Bay, Fix 9523, Fix Volume 1 is rejected with a note "visible on photo". This rock could not be identified on a photograph. If a growth of kelp covers a rock, infrared photographs may not reveal the rock, even though the rock was above the plane of water at the time the photograph was exposed. The fix position is not strong (the check angle was used to locate, with right fix angle, used to check).

Fixes 9524 and 9525 are shown as 9525. The positions are not strong. Only one rock is shown.

The SIGNAL OVERLAY was used to locate', fix positions.

All rock heights were determined by the approved tide method. Rocks edited at a time not within the prepared computer readout range, were determined by hand calculation.

A computer readout listing time of each two-tenths foot of tide change was prepared for five zones on this manuscript. Note the negative sign represents a stage of tide above mean lower low water.

North of lat. 59019' Flat Island was used.

North of Lat. 59⁰14' to 59⁰19' and east to Long. 151⁰52' in Koyuktolik Bay, Flat Island reduced with a ratio of .91 was used.

South of lat. 59°14' and east to 151°53' Flat Island reduced by a ratio of .88 and a time shift of minus 10° was used.

East of long. 151⁰53' east to long. 151⁰50' Flat Island was reduced with a ratio of .84 and a time shift of minus 15 minutes was applied.

East of long. 151050' Port Chatham was used.

The tide station was not in operation when needed to determine edited rock height above MLLW in Koyuktolik Bay east of long. 151052'. The rocks in this area were calculated by Mr. Mullins of the Datums and

Information Branch by telephone.

Photogrammetric or field survey methods were not indicated to establish the purple dashed line on the MASTER FIELD EDIT PRINT, which is labeled foul with kelp and rocks.

The top of Landmark Bluffs, one on the north, the other on the south side of Koyuklolik Bay, were located by intersection resection method, using photographs 75 E(I) 9080 thru 9082.

The cabin, lat. $59^{\circ}13.5$ ' and long. $151^{\circ}44.7$ ' shown on the enlarged area of Port Chatham on chart 16645, 13th edition, 1980, was verified by the field editor to be a permanent structure. This cabin is not visible on the photographs, and is not shown on the manuscript.

Fix 9559, west of Chrome, shown on the MASTER FIELD EDIT PRINT, is east of the position plotted on the manuscript from the Fix Volume. THe JD 198 date was used, not the calendar date, July 15, 1980, in the Fix Volume.

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH - 7412 (Cook Inlet, East Side - Cape Kasilof to Barren Islands, Alaska)

TP - 00820

Chatham Island

Chrome

Chrome Bay

Chugach Passage

Clam Cove

Cook Inlet

Elizabeth Island

Flat Islands

Kelp Point

Koyuktolik Bay

Magnet Rock

Point Adam

Point Bede

Port Chatham

Portlock

Start Approved by;

Charles E. Harrington

Chief Geographer

Nautical Charting Division

FIELD EDIT REPORT TP-0820 Cook Inlet East Side July, 1980

Description

والمراجعة عميها

Flat Island at the northern extreme of this sheet is a low grassy island surrounded with rocks, ledges and thick kelp. The coastline from Point Bede to Point Adam and from Koyuktolik (Dogfish) Bay south to Chrome Bay is comparatively straight. Pebble beaches with intermittent areas foul with boulders or ledge outcroppings characterizes this coastline. There are also a number of detached rocks some of which lie well offshore. Thick kelp is found along this shore as much as 0.4 nm offshore. Koyuktolik Bay on the northshore is foul with rocks and kelp. A high bluff here is of landmark value. A wide gravel and pebble beach is found at the head of the bay. A gravel bar has formed here at the outlet to the shallow lagoon which lies east of the bay. To the south inside Chrome Bay and Port Graham there are fewer ledges and boulders but there still exists several large detached rocks and scattered kelp. A temporary logging camp existed in August of 1980 consisting of approximately 20 mobile homes located on the north shore of Port Chatham. The old cannery settlement, Portlock, on the south shore is in ruins and abandoned. High rugged peaks encircle Port Chatham. The north shore of Elizabeth Island, mountainous and uninhabited, and the shoreline south of Port Chatham are composed of beaches foul with boulders, detached rocks and ledges with a wide apron of kelp.

Method

This entire T-sheet was field edited during lower low water. Some areas were investigated at mean high water to determine the mean high water line. Due to the ruggedness of this coastline most of the field edit was conducted from a skiff. Occasionally where features could not be identified from sealevel and when conditions permitted landing, an investigation was performed on foot. Areas of investigation on foot include the beaches between Point Bede and Point Adam, the eastern end of Koyuktolik (Dogfish) Bay and the lagoon, the north shore of Port Chatham, Chrome Bay and the area of the sandy spit on the northeast side of Elizabeth Island where a change in the mean high water line was defined using sextant fixes. Several fixes had to be taken to locate features that were not visible on the photographs. In some instances because of conditions it was not possible to actually occupy the feature so instead a fix was taken at an offset position and an estimated distance and direction to the feature were recorded. Fixes were recorded in two separate volumes. Some fixes were rejected after locating the features on the photographs. Fixes from volume 2 have been transferred to volume 1 so that all retained fixes can be found in a single volume.

Adequacy and Completeness of Compilation

A great amount of the detail along this rugged coast was overlooked by the compiler and had to be added during field edit. A large number of detached rocks had to be located or identified on the photographs. Two areas where changes to the mean high water line are intended, were mistakenly depicted in red ink on the MASTER FIELD EDIT PRINT and on the photographs in Chrome Bay and east of Chatham Island.

Manuscript Accuracy

No formal accuracy tests were conducted. However by comparing photogrammetrically derived positions with sextant fix positions and also judging from the close comparison between fixes and check fixes when using photogrammetric signals, it can be stated that this manuscript is accurate.

Recommendation

This manuscript after the Field Edit data is applied will be complete, accurate, and acceptable for charting purposes.

Submitted by:

Christopher P. Hancock

Thuitopher & Hancock

Lt(jg)., NOAA

Approved by: Patrik

A. J. Patrick Capt., NOAA

REVIEW REPORT TP-00820 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

A comparison was made with the following U.S.G.S. quadrangles: Seldovia (A-5), Alaska, scale 1:63,360, dated 1953 Seldovia (A-6), Alaska, scale 1:63,360, dated 1952 Seldovia (B-5), Alaska, scale 1:63,360, dated 1952 Seldovia (B-6), Alaska, scale 1:63,360, dated 1953...

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with H-9890 dated March 15, 1983 and H-9879 dated March 11, 1983. There were no major conflicts.

Hydro sheet H-10030 was not available for comparison at time of Final Review May 13, 1985.

65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Chart 16646, 1:20,000 scale, dated Sept. 26, 1981. There were no major conflicts.

A comparison was also made with the 10th edition Chart 16645, 1:82,662 scale dated March 13, 1976 and the 14th edition Chart 16645, 1:82,662 scale, dated July 30, 1983. A comparison between these two charts indicate that two offshore rocks were added to current charts from the unreviewed Class III Chart Maintenance Print submitted to Marine Charts October, 1979. The intended purpose of showing these offshore rocks on the 1979 Chart Maintenance Print was to advise the Hydrographer of potential hazard. The Hydrographer was expected to determine whether or not the rocks existed. It was never intended for charting purposes because the photointerpretation of the rocks did not render positive identification. The field investigation of the rocks revealed them to be nonexistent by the field editor at the time the hydrography was performed, July, 1980. The nonexistent rocks were removed from the Final Map. These and other recommended changes are annotated on the Final Map Chart Maintenance Print.

TP-00820

A Final Map Chart Maintenance Print indicating changes was prepared and forwarded to Marine Charts Branch.

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,

J. Byrd James L. Byrd, Jr. Final Reviewer

Approved for forwarding,

Bolly H. Barner

Billy H. Barnes Chief, Photogrammetric Section, AMC

Approved,

Chief, Photogrammetric Section,

Rockville

Chief, Photogrammetry Branch,

Rockville

NONFLOATING),					,)
NONFLOATING AIDS @R&xANDMAB&KS FOR CHARTS	NOAA FORM 76- (8-74)	-40				NAŢ	IONAL OCE	U.S	S. DEPARTA	LENT OF COMMERCE	ORIGINATING A	CTIVITY
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Calculation	TO BE REVI		astal Mapping	Únit	ר ביות קיניים ביות	_	Cook In	let, Ea	st Side	[a/o]:	FINAL REVIEWER	BREVIEW GRP.
LOS NUMBER SURVEY NUMBER DATUM N.A. 1927 METHOD AND BATE	The following		WOLLOLK, VA		ted from sea	ward to det	ermine their	value as	landmarks	÷ 0.1	(See reverse for responsi	ble personnel)
The	OPR PROJECT		NUMBER	SURVEY NUM	BER	DATUM		5	Tallen Va			
Chief Chie						7		7		METHOD AND DAT	E OF LOCATION	
This Greeced reason for claiming and inclinate and properties			CM-7412	TP-00	820		POSIT	NO		(See instructions	on reverse side)	CHARTS
The Continues of Institute of			DESCRIPTIO	Ž		LATIT	UDE	LONGIT	rude		-	AFFECTED
Signature 1956 Signature 1956 Signature 1956 Signature Sign	CHARTING	(Record reason Show triangula	tor deletion of landmar flon stationnames, wher	k or aid to navi re applicable, in	igation. I perentheses)	,).M. Meters	/	// D.P. Meters	OFFICE	FIELD	
(Flat Island Light, 1956) 59 19 151 59 50 119 9, 1975 July 1980							53.806		34.030	75E(I)0580	F-4-8-V	16640
Port Chatham Entrance Light 4 59 12 151 46 701y 1980	LIGHT	(Flat Is	- 1	56)		- 1		- 1		- 1	July 1980	16645
Port Chatham Entrance Light 4 59 12 151 46 July 1980						 _	35.322		26.350		F-3-6-L	16640
	LIGHT	Port Chi	atham Entrance					1				16645
												
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75E(C)6042 8-12-75 8-12-75 TION DETERMINED e applicable dat d P - ted Vis fied Vis fied F- erse 6 - ersection 5 - ersection 7 - ction and date of LE: F-2-6-L E: F-2-6-L E: F-2-6-L ONS are determine	OFFICE COFFICE (DENTIFIED AND LOCATED OBJECTS Enter the number and date (including day, and year) of the photograph used identify and locate the biect.	FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	FUSITIONS DETERMINED AND/OR VERIFIED A. Pat	OBJECTS INSPECTED FROM SEAWARD A. Pat	TYPE OF ACTION	
EXAMPLE: EXAMPLE: EXAMPLE: EXAMPLE: EXAMPLE: With date of EXAMPLE: Triple of the continuous of the con	(Consult Photogrammetric Instructions No. 64, FIELD (Cont'd) B. Photogram month, entry of date of f		Patrick	Patrick	ZASTI	RESPONSIBLE PERSONNEL
EXAMPLE: P-8-V 8-12-75 74L(C)2982 II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. EXAMPLE: Triang. Rec. 8-12-75 III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 ***PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.	ammetric field positions** require f method of location or verification, field work and number of the photo-		OFFICE ACTIVITY REPRESENTATIVE	PHOTO FIELD PARTY XX HYDROGRAPHIC PARTY GEODETIC PARTY OTHER (Specify)	ORIGINATOR	

NOAA FORM 76-40 (8-74)

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE, AND EXISTING STOCK SHOULD BE DESTROYED UPON RECEIPT OF REVISION.

☆ U.S.GPO:1975-0-665-080/1155





NOAA FORM 76-40 (8-74)			Z	IONAL OCE	U.S ANIC AND A	. DEPARTM	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	ORIGINATING ACTIVITY	CTIVITY
Replaces C&GS Form 567.	т 567.	MONFECOATING AND SOR LANDMARKS FOR CHARTS	OMARKS	FOR CHA	RTS	,		HYDROGRAPHIC PARTY GEODETIC PARTY PHOTO FIELD PARTY	ARTY T
KX TO BE CHARTED	Γ	STATE		LOCALITY			DATE	KX COMPLICATION ACTIVITY	V TY
TO BE REVISED	Coast	unit,		Cook In	et,	t Side, Cape	<u> </u>	FINAL REVIEWER	L& REVIEW GRP.
TO BE DELETED	AMC, Norfolk, VA	Alaska		Kasilof	to Barr	Barren Islands	nds 9/29/81	COAST PILOT BRANCH	HUZ
The following objects	ects HAVE XX HAVE NOT	been inspected from seaward to determine their value as landmarks. SURVEY NUMBER IDATUM	ward to dei	termine the	r value as	landmarks.		(See reverse for responsible personnel)	ible personnel)
				N.A. 1927	2.7		METHOD AND DATE OF LOCATION	E OF LOCATION	
	CM-7412	TP-00820		12	NO.		(See instructions on reverse side)	on reverse side)	CHARTS
:	OESCRIPTION	z	LATITUDE	UDE	LONGITUDE	UDE			AFFECTED
CHARTING	Record reason for defetion of landmark or aid to navigation. Show triangulation station names, where applicable, in perentheses)	k or aid to navigation. e applicable, in parentheses)	/ 0	// D.M. Meters	,	// D.P.Meters	OFFICE	FIELD	
WHTTPE				41.920	<u>`</u>	42.004	75E(T) 0533	F-3-6-L	16640
SCAR			59: 12		151 47		July 2, 1975	July 1980	16645
WHITE				35.706		31.963		F-4-8-V	16645
STREAK	(STREAK, 1931)		59 11		151 45			July 1980	16640
ABANDONED	North shore of Elizabeth	th Island, 20 ft.		13,908		29.530	٠	P-5-L July 1980	16640
CABIN	above MHWL on bluff 50	50 m. inshore	59 10		151 50			76E(I)4726	16645
ABANDONED	North shore of Elizabeth Island.	th Island, 100 ft		09.976	, 	27.761		P-5-L July 1980	16640
		shore	59 10		151 50			76E(I)4726	16645
DRANDONED				55	1	45		P-5-L Tulv 1980	16640
BUILDINGS			59 12		151 44			75E(I)0987	16645
	(1) bt = 800 ft			30		30		P-5-L	16640
BLUFF	North Shore of Koyuktolik	olik Bay	59 15		151 55			75E(I)0981	16645
	(2) ht. = 300 ft.			00		50		P-5-L July 1980	16640
BLUFF	South Shore point of Koyuktolik	Koyuktolik Bay	59 14		151 54			75E(I)0981	16645
			_						
	-								
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RESPONSIBLE	PERSONNEL	
MAK	,	ORIGINATOR
		PHOTO FIELD PARTY
		XXHYDROGRAPHIC PARTY
		GEODETIC PARTY
A. Patrick		OTHER (Specify)
A. Patrick		FIELD ACTIVITY REPRESENTATIVE
L. Williams		OFFICE ACTIVITY REPRESENTATIVE
		REVIEWER
		QUALITY CONTROL AND REVIEW GROUP
		REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER	METHOD AND DATE OF LOCATION'	
(Consult Photogrammet	ric Instructions No. 64,	
	FIELD (Cont'd)	
cATED OBJECTS	B. Photogrammetric fit	B. Photogrammetric field positions** require
	TYPE OF ACTION TYPE OF ACTION A. Patrick A. Patrick A. Patrick A. Patrick D. Williams REVIEW GROUP AND FINAL REVIEW INSTRUCTIONS FOR ENTRIES UNDER (Consult Photogrammet) OFFICE 1. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month)	RESPONSIBLE PERSONNEL NAME NAME NAME FIELD (Cont'd) B. Photogram B. Photogram B. Photogram

FIELD

I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: - Field Located P - Photogrammetric Vis - Visually

Verified

Triangulation 5 - Field identified6 - Theodolite

Intersect ion Sextant Planetable

Resect ion

Traverse

? Field positions* require entry of method of ocation and date of field work.

EXAMPLE: F-2-6-L

8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

> graph used to locate or identify the object. date of field work and number of the photo-**EXAMPLE:** P-8-V

day, and year) of the photograph used to

identify and locate the object.

8-12-75 75E(C)6042

8-12-75 74L(c)2982

angulation station is recovered, enter 'Triang. Rec.' with date of recovery. When a landmark or aid which is also a TRIANGULATION STATION RECOVERED Triang. Rec. 8-12-75 せいご

III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH **EXAMPLE:** Enter 'V-Vis.' and date.

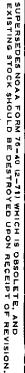
V-Vis. 8-12-75

**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.



NOAA FORM 78-40 (8-74)





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RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

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 Re-

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