NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey Shoreline Job No. PH-6013 Map No. T-11998 Classification No. Final Map Edition No
LOCALITY
StateAlaska Cook Inlet, General LocalityKalgin Island to Anchorage LocalityBeluga River
19 66 TO 19 77
REGISTRY IN ARCHIVES

☆ U.S. GOVERNMENT PRINTING OFFICE: 1972-761-152

NCAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY	SURVEY TR. T-11998
	☑ ORIGINAL	MAPEDITION NO. (L)
DESCRIPTIVE REPORT - DATA RECORD	RESURVEY	MAP CLASS Final Map
	REVISED	јов Р н- <u>6013</u>
PHOTOGRAMMETRIC OFFICE	1467 005650	<u> </u>
Coastal Mapping Division	l 	ING MAP EDITION
Atlantic Marine Center, Norfolk, VA	TYPE OF SURVEY ORIGINAL	JOB PH
OFFICER-IN-CHARGE	ORIGINAL RESURVEY	MAP CLASS
	REVISED	19 TO 19
Jeffrey G. Carlen, Cdr.		131013
I. INSTRUCTIONS DATED		
1. OFFICE	2.	FIELD
Aerotriangulation 9/15/66 Compilation, Supplement 3 4/26/67 Compilation, Supplement 4 9/11/67	Supplement 1 Field	8/8/66 6/6/66
II. DATUMS		
The options	OTHER (Specify)	
I. HORIZONTAL: [X] 1927 NORTH AMERICAN		
	OTHER (Specify)	
3. MAP PROJECTION	4.	GR(D(S)
Polyconic	Alaska	ZONE 4
5. SCALE 1:20,000	STATE	ZONE
III. HISTORY OF OFFICE OPERATIONS		
OPERATIONS	NAME	DATE
1. AEROTRIANGULATION BY	P. Hawkins	Apr 1967
METHOD: Stereoplanigraph Landmarks and aids by		
2. CONTROL AND BRIDGE POINTS PLOTTED BY		Jr. Jul 1967_
METHOD: Manual CHECKED BY	R. R. White	Jul 1967
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY		Jr. Jul 1967
COMPILATION CHECKED BY	R. White	Jul 1967
instrument: Kelsh Plotter contours by scale: 1:20,000 checked by	NA NA	
4. MANUSCRIPT DELINEATION PLANIMETRY BY	L. L. Graves	Jul 1967
CHECKED BY	R. J. Pate	Jul 1967
CONTOURS BY	NA NA	
метнор: Smoothdrafted	NA	
HYDRO SUPPORT DATA BY	L. L. Graves	Jul 1967
SCALE: 1:20,000 CHECKED BY	R. J. Pate	Jul 1967
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	R. J. Pate	Jul 1967
6. APPLICATION OF FIELD EDIT DATA	I. Perkinson	Jan 1978
CHECKED BY	C. Blood	<u>Jan 1978</u>
7. COMPILATION SECTION REVIEW BY	C. Blood Bloo	<u>Jan 1978</u> d May 1986
8. FINAL REVIEW BY	J. Byrd/CBloo	
1 9. DATA FORWARDED TO PROTOCRAMMETRIC PRANCH	l I Brud	Sent 1986
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY 10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	J. Bryd P. Domorey	Sept 1986

NOAA FORM 76-36 A

SUPERSEDES FORM C&GS 181 SERIES

♥ U.S. G.P.O. 1972-769382/582 REG.#6

WILD RC-8"L" IDE STAGE REFERENCE (C) COLOR PREDICTED TIDES REFERENCE STATION RECORDS THE REFERENCE (C) COLOR (P) PANCHROMATIC MERIDIAN MERIDIAN	ESSA FORM 76-36b		Ͳ_1		IRONMENT	AL SCIENCE SE COAST	RVICES AD	MINISTRATI DETIC SURV
ANERAIS Wild RC_8"L" OUS STAGE REFERENCE CHECOLOR CHECONTROLLED PHOTOGRAPHY NUMBER AND TYPE OLES THOS REFERENCE CHECONTROLLED PHOTOGRAPHY NUMBER AND TYPE OLES THOS REFERENCE CHECONTROLLED PHOTOGRAPHY NUMBER AND TYPE OLES THOS RECORDS THOSE CONTROLLED PHOTOGRAPHY NUMBER AND TYPE OLES THOSE STAGE OF TIDE OLES THOSE					S			
AMERAS) Wild RC-8"L" TYPES OF PHOTOGRAPHY LEGEND WILD RC-8"L" TODE STAGE REFERENCE INCESTAGE OF THOSE REFERENCE Alaska MERIDIAN 150th								
Wild RC-8"L" IDESTAGE REFERENCE C. COLOR C. COLO		RAPHY		·		_		
The mean high water line was compiled from the above listed compilation photographed and type the mean high water line was compiled from the above listed compilation photographed. Source of mean high water line was compiled from the above listed compilation photographed. Source of mean high water line was compiled from the above listed compilation photographed. Source of mean high water line was compiled from the above listed compilation photographed. Source of mean high water line was compiled from the above listed compilation photographed. Contemporary hydrographic surveys (List only those surveys that are sources for photogrammetric survey information.) Source of mean high water line was compiled from the above listed compilation photographed. Contemporary hydrographic surveys (List only those surveys that are sources for photogrammetric survey information.) Source of mean high water line was compiled from the above listed compilation photographic survey information. Source of mean high water line was compiled from the above listed compilation photographic survey information. Source of mean high water line was compiled from the above listed compilation photographic survey information. Source of mean high water line was compiled from the above listed compilation photographic survey information. Source of mean high water line was compiled from the above listed compilation photographic survey information. Source of mean high water line was compiled from the above listed compilation photographic survey information. Source of mean high water line was compiled from the above listed compilation photographic survey information. Source of mean high water line was compiled from the above listed compilation. Source of mean high water line was compiled from the above listed compilation. Source of mean high water line was compiled from the above listed	camera(s) - Wild RC-8"L"		TY				ME REFERE	NCE
CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)				LEGEND			<u> </u>	
SOURCE OF MEAN HIGH-WATER LINE: The mean high water line was compiled from the above listed compilation photograph SOURCE OF MEAN HIGH-WATER OR MEAN LOWER LOW-WATER LINE: The mean high water line was compiled from the above listed compilation photograph SOURCE OF MEAN HIGH-WATER OR MEAN LOWER LOW-WATER LINE: The mean high water line was compiled from the above listed compilation photograph SOURCE OF MEAN HIGH-WATER OR MEAN LOWER LOW-WATER LINE: None compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) SOURCE OF MEAN HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE: None compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE: None compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE: No SURVEY COPY USED SURVEY NUMBER DATE(5) SURVEY COPY USED No SURVEY NUMBER T-11999 T-12010 No SURVEY NUMBER			(C) (OLOR	•		,	TECTANDA
NUMBER AND TYPE DATE TIME SCALE STAGE OF TIDE 61.6651-661.6653 8/14/66 08:14 1:40,000 1.6 ft. above MLLW 61.6667-661.6668 8/14/66 08:42 1:40,000 2.6 ft. above MLLW 2.6 ft. above MLLW 2.6 ft. above MLLW 2.7 ft. above MLLW 2.8 ft. above MLLW 2.9 ft. above MLLW	•	RECORDS	> (₽) F	Y(P) PANCHROMATIC			ka	LXI31 XIVO
NUMBER AND TYPE 61.6651-661.6653 8/14/66 8/14			(1) (NFRARED		,	. <u>Դ</u>	DAYLIG
8/14/66 08:14 1:40,000 1.6 ft. above MLLW 616667-6616668 8/14/66 08:42 1:40,000 2.6 ft. above MLLW ENARKS SOURCE OF MEAN HIGH-WATER LINE: The mean high water line was compiled from the above listed compilation photograp. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE: None compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) URVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS TORTH BAST No SURVEY T-12010 WEST No survey	NUMBER AND TVD	E DAT		ue l	SCAL F			DE.
EMARKS SOURCE OF MEAN HIGH-WATER LINE: The mean high water line was compiled from the above listed compilation photograp. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE: None compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are wources for photogrammetric survey information.) URIVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS ORTH LOW-WATER LINE: No survey T-11999 T-12010 No survey.	NUMBER AND ITP	E		ME	SCALE	 	TAGE OF T	100
EMARKS EMARKS A. SOURCE OF MEAN HIGH-WATER LINE: The mean high water line was compiled from the above listed compilation photograph A. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE: None compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) UNIVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED A. FINAL JUNCTIONS ONTH No survey T-11999 T-12010 No survey	6L6651-66L6653	8/14/	/66 08 :	14 1:	40.000	- 1.6 ft	above	MLTM
EMARKS The mean high water line was compiled from the above listed compilation photograp SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE: None compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) UNIVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USES FINAL JUNCTIONS ORTH EAST SOUTH WEST No survey T-12010 No survey		8/14/	/66 08:			1		
The mean high water line was compiled from the above listed compilation photograp SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE: Wone compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) SURVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS ORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey		-,,			40,000	~.0 1	. abovo	* 1111144
The mean high water line was compiled from the above listed compilation photograp. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE: None compiled, CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) URVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS ORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey						}		
The mean high water line was compiled from the above listed compilation photograp. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE: None compiled, CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) URVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS ORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey								
The mean high water line was compiled from the above listed compilation photograp. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE: None compiled, CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) URVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS ORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey			ļ	}				
The mean high water line was compiled from the above listed compilation photograp SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE: Wone compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) SURVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS ORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey								
The mean high water line was compiled from the above listed compilation photograp SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE: None compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) URVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS ORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey				•				
The mean high water line was compiled from the above listed compilation photograp SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE: None compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) URVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS ORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey								
The mean high water line was compiled from the above listed compilation photograp SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE: Wone compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) SURVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS ORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey	EMARKS							
The mean high water line was compiled from the above listed compilation photograp SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE: None compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) URVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED SENAL JUNCTIONS ORTH EAST SOUTH No survey T-11999 T-12010 No survey								
The mean high water line was compiled from the above listed compilation photograph. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE: Wone compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) URVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS ORTH EAST SOUTH No survey T-11999 T-12010 No survey								
The mean high water line was compiled from the above listed compilation photograph. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE: None compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) URVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED ORTH EAST SOUTH No survey T-11999 T-12010 No survey	SOURCE OF MEAN HIGH	H-WATER LINE:						
SOURCE OF WEAR LOW WATER OR MEAN LOWER LOW WATER LINE: Vone compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that ere sources for phatogrammetric survey information.) URVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS ORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey			~					
SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE: None compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) URVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS ORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey	The mean high wa	tar line was d	omniled fr	om the sho	Tro ligh	od commile	tion mh	ataman'
None compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) URVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS DORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey		OVI IIIO NOD (Omprica ii	om one abe	AC TTO	ed . compite	oron bu	o cograp.
None compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) FURVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS FORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey								
None compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) EURVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS FORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey								
None compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) EURVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS FORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey								
None compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) FURVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS FORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey								
None compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) EURVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS FORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey								
None compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) EURVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS FORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey								
None compiled. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) URVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USE. FINAL JUNCTIONS ORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey								
CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) URVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USE. FINAL JUNCTIONS ORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey	SOURCE OF MEAN 1-ON		WER LOW-WATE	PINE				
CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) URVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS ORTH EAST SOUTH WEST No survey No survey	. Sounde of MEXITEON	TATEN ON MEAN E	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.) URVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS FINAL JUNCTIONS FORTH EAST SOUTH WEST No survey No survey	Mone commiled							
SURVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS FORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey	woute combitted.							
SURVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS FORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey								
SURVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS SOUTH NO SURVEY T-11999 T-12010 No survey								
SURVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS ORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey								
SURVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USE. FINAL JUNCTIONS ORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey								
SURVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS FORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey								
SURVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USED FINAL JUNCTIONS FORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey								
SURVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USE FINAL JUNCTIONS ORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey								
SURVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USE. FINAL JUNCTIONS DORTH EAST SOUTH No survey T-11999 T-12010 No survey	,,							
SURVEY NUMBER DATE(S) SURVEY COPY USED SURVEY NUMBER DATE(S) SURVEY COPY USE. FINAL JUNCTIONS DORTH EAST SOUTH No survey T-11999 T-12010 No survey	. CONTEMPORARY HYDR	ROGRAPHIC SURVEYS	(List only those	surveys that are	soutces fo	r photogrammetri	survey info	emation.)
. FINAL JUNCTIONS DORTH EAST SOUTH WEST No survey T-11999 T-12010 No survey								
No survey T-11999 T-12010 No survey	UKVEY NUMBER DAT	(5) SUR	'EY COPY USED	SURVEY NU	MBER	DA FE(S)	SURVEY	COPY USE
No survey T-11999 T-12010 No survey				1				
No survey T-11999 T-12010 No survey								
No survey T-11999 T-12010 No survey		EACT		Teoure		l m=c		
		i	7.006	ſ		WES		
REMARKS			1999	<u> </u>	<u>-12010</u>		No su	rvey
	REMARKS							
	ESSA FORM 78-24B							

NOAA FORM 76-36 ((3-72)	HISTORY OF FIE		U.S. DEPARTMENT NIC AND ATMOSPHERIC A NATIONAL	
I. X FIELD INSP	ECTION OPERATION None	IELD EDIT OPERATION		
	OPERATION		NAME	DATE
I. CHIEF OF FIEL	.D PARTY	A YY_ 1 1.5		4044
	REÇÖVÊRED I	A. Wardwell None	<u> </u>	1961
2. HORIZONTAL	CONTROL ESTABLISHED			
	PRE-MARKED OR IDENTIFIED	None None		
	RECOVERED	NA NA		
3. VERTICAL CON	ITROL ESTABLISHED	NA NA		
	PRE-MARKED OR IDENTIFIED I	∍y ∨ NA		
	RECOVERED (Triangulation Stations)			
4. LANDMARKS AT AIDS TO NAVIG				
AIDS TO RAVIO	IDENTIFIED I	None `None		
	TYPE OF INVESTIGATION			
5. GEOGRAPHIC N INVESTIGATION		ay		
(111201)0111101	SPECIFIC NAMES ONE!			
	NO INVESTIGATION	Mana		
6. PHOTO INSPEC		3+4		
7. BOUNDARIES A		BY NA		
	ONTROL IDENTIFIED	2. VERTICAL CO	TROL IDENTIFIED	
	None		NA	
		DUOTO NUMBEO		IA TION
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGN	NA ITON
3. PHOTO NUMBE	RS (Clarification of details)		· · · · · ·	
~				
	None			
4. LANDMARKS A	ND AIDS TO NAVIGATION IDENTIFIED			
`				
	None			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NA	ME
•				
•				
5. GEOGRAPHIC N	AMES: REPORT X NONE	6. BOUNDARY AN	D LIMITS: REPORT	X NONE
	L MAPS AND PLANS			
~	None			
8. OTHER FIELD	RECORDS (Sketch books, etc. DO NOT list data su	bmitted to the Geodesy D	ivision)	
	None			

T FIELD INSPECTION OPE	RATION Premarking FIELD	EDIT OPERATION		
01	PERATION	NAMI	E	DATE
CHIEF OF FIELD PARTY		R. Melby		1966
	RECOVERED BY	A. C. Weyma	nn. III	1966
HORIZONTAL CONTROL	ESTABLISHED BY	None	1 200	
	PRE-MARKED OR IDENTIFIED BY	None		
	RECOVERED BY	NA		1
VERTICAL CONTROL	ESTABLISHED BY	NA		
	PRE-MARKED OR IDENTIFIED BY	NA		
•	RECOVERED (Triangulation Stations) BY	None		
LANDMARKS AND AIDS TO NAVIGATION	LOCATED (Field Methode) BY	<u>None</u>		
7,000	TYPE OF INVESTIGATION	None		
	COMPLETE			
, GEOGRAPHIC NAMES INVESTIGATION	SPECIFIC NAMES ONLY			
	NO INVESTIGATION	ı		ĺ
PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None		
BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA NA	·	
I. SOURCE DATA				_
. HORIZONTAL CONTROL IE	ENTIFIED	2. VERTICAL CONTR	OL IDENTIFIED	
None		NA NA		
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DE	SIGNATION
3. PHOTO NUMBERS (Clarific	ation of details)			
None	•••			
LANDMARKS AND AIDS TO	NAVIGATION IDENTIFIED			<u></u>
None				/
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJEC	T NAME
5. GEOGRAPHIC NAMES:	REPORT NONE	6. BOUNDARY AND	LIMITS: 🗀 REF	ORT T NON
7. SUPPLEMENTAL MAPS A		······································		
None		•		
	(Sketch books, etc. DO NOT list data subm			

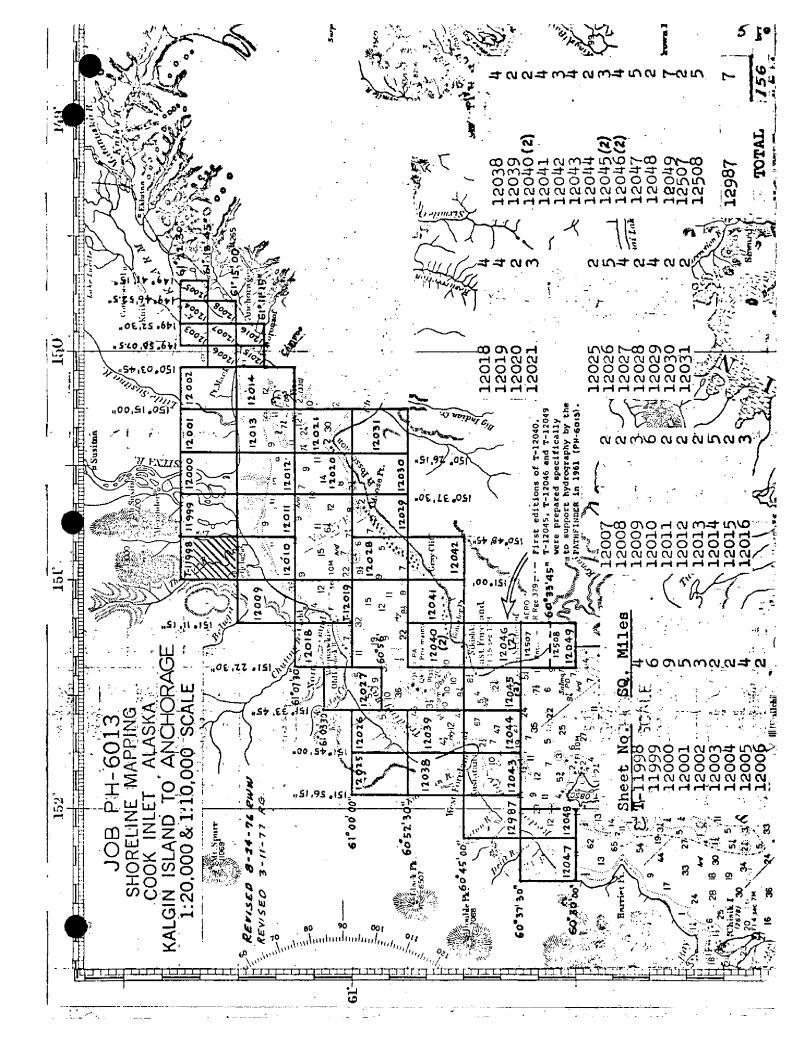
NDAA FORM 76-36C (3-72)			NATIONAL OCEA	NIC AND ATMOSPHERIC	NT OF COMMERCE ADMINISTRATION L OCEAN SURVEY
<u></u>	HI	STORY OF FIELD	OPERATIONS	·	
I. TIELD INSPEC	TION OPERATION	X FIEL	DEDIT OPERATION		
	OPERATION			NAME	DATE
I. CHIEF OF FIELD I	ARTY	•	B. I. Will	iams	July 1977
		RECOVERED BY	None		3227_27
2. HORIZONTAL CON	TROL	ESTABLISHED BY	None		
	PRE-MARKE	DOR IDENTIFIED BY	None		
		RECOVERED BY			<u> </u>
3. VERTICAL CONTR		ESTABLISHED BY	NA		
	PRE-MARKE	D OR IDENTIFIED BY	NA		
		ingulation Stations) BY	None		
4. LANDMARKS AND AIDS TO NAVIGAT	ION	ED (Field Methoda) BY	None		
	TYPE OF	IDENTIFIED BY	None		
5. GEOGRAPHIC NAM	-				1
INVESTIGATION		BY			
		IVESTIGATION	1		
6. PHOTO INSPECTIO	N CLARIFICA	TION OF DETAILS BY	R. Crowell		July 1977
7. BOUNDARIES AND		D OR IDENTIFIED BY	NA		
II. SOURCE DATA					
1. HORIZONTAL CON	TROL IDENTIFIED		2. VERTICAL CON	TROL IDENTIFIED	
None.				NA NA	
PHOTO NUMBER	STATION N	IAME	PHOTO NUMBER	STATION DES	GNATION
3. PHOTO NUMBERS	(Clarification of details)				
None					
	AIDS TO NAVIGATION IDE	NTIFIED			
None			Laura		
PHOTO NUMBER	OBJECT N	AME	PHOTO NUMBER	OBJECT N	NAME
5. GEOGRAPHIC NAM	ES: REPORT	[X] NONE	6. BOUNDARY AN	D LIMITS: REPOR	T X NONE
7. SUPPLEMENTAL N			100 -0010011111111111111111111111111111	<u> </u>	<u>K</u> KVKL
None		DO NOT COM A COM	and an about the	J-1-1-X	
	CORDS <i>(Sketch books</i> , etc.) .d edit data volu		ted to the Geodesy D	ivision) _	
Fiel	d edit ozalid, Ma	ap T-11998			

NOAA FORM 76-36D (3-72)

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

~ T-11998

KECOKD OL 20KAEA 02E								
I. MANUSCR	IPT COPIES				·			
	COI	MPILA	TION STAGE	s 		· · · · · · · · · · · · · · · · · · ·	DATE MANUSC	RIPT FORWARDED
<u>D</u>	ATA COMPILED	ļ	DATE	· · · · · · · · · · · · · · · · · · ·	MARKS		MARINE CHART	
	tion complete,	, ′	7/67	Class III	manuscri	.pt	None	5/15/73
	dit applied. tion complete.		1/78	Class I n	anuscr i p	t	2/1/78	2/1/78
Final F	Review		5/86	Final Maj	ò			
	RKS AND AIDS TO NAVIGA		None					
1. REPO	RTS TO MARINE CHART DI	VISIO	NAUTICAL	DATA'BRANCH		·		
NUMBER	CHART LETTER NUMBER ASSIGNED	FO	DATE RWARDED			REM	ARKS	
-								
					····			
						_		
							e .	
						-		
	EPORT TO MARINE CHART); ·
3. REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: III. FEDERAL RECORDS CENTER DATA								
2. 🗀 (3. 🔀 (BRIDGING PHOTOGRAPHS; CONTROL STATION IDENTI SOURCE DATA (except for G ACCOUNT FOR EXCEPTION	FICAT eograp	ION CARDS;	FORM NOS	567 SUBMIT	TEO B	Y FIELD PARTIES	S.
i 4. □:	DATA TO FEDERAL RECOR	DS CI	ENTER. DAT	E FORWARDED:				
IV. SURVE	Y EDITIONS (This section s	hall be	completed ea	ach time a new ma	edition is reg	gistered	<u> </u>	
SECOND	TP.	(2)	PH -	R		RE	TYPE OF SURVE	Y Esurvey
EDITION	DATE OF PHOTOGRAPH	17	DATE OF FI	ELD EDIT	□ 18.	□	MAP CLASS □ (V. □ V.	FINAL
	SURVEY NUMBER		JOB NUMBE	Ř			TYPE OF SURVE	
THIRD	TP.	(3)	PH	EL 0 ES: =		∐ %E		ESURVEY .
EDITION	DATE OF PHOTOGRAPH	· T	DATE OF FI	· -	<u></u>	□m.		
	SURVEY NUMBER		JOB NUMBE	R		RE	TYPE OF SURVEY	Y EŞÜRYÊY
FOURTH	TP	- (4) Y	PH	ELD EDIT		- KE	MAP CLASS	
EDITION		-	DATE OF FIELD EDIT		П.,			[] _{e.v.} ,



SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

T-11998

This 1:20,000 scale Final shoreline map is one of 44 maps designated as project PH-6013 Cook Inlet, Kalgin Island to Anchorage, Alaska.

The purpose of this map was to provide contemporary shoreline in support of hydrographic operations and to aid in chart revision.

Field work prior to compilation in the 1961 field season consisted of recovery of horizontal control and limited field inspection. Field work in 1966 consisted of premarking of horizontal control for aerotriangulation.

This area was photographed in August 1966 with the RC-8 "L" camera using panchromatic film at 1:40,000 scale.

Bridging was performed in the Washington office in April 1967.

This map was compiled at the Norfolk office in July 1967.

Field edit was performed for T-11998 during the 1977 field season. Field edit data was applied at AMC in January 1978.

Final review was performed at the Atlantic Marine Center in 1986.

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 REPORT

COOK INLET, ALASKA

PROJECT SP-1-61 1961

USC&GS Ship PATHFINDER

Arthur L. Wardwell, CAPT.; Condg.

MANUSCRIPTS:-

12049, 12046, 12045, 12040, 12031, 12032, 12026, 12027, 12028, 12020, 12021, 12022, 12017, 12015, 12016, 12014, 12013, 12008, 12007, 12006, 12003, 12004, 12005, 12002, 12001, 12000, 12012, 11999, 12011, 11998, 12010, 12009, 12019, 12018, 12023, 12025, 12024, 12029, 12030, 12035, 12034, 12033, 12037, 12036

AERIAL FIELD INSPECTION:-

Areas inspected were as follows: Manuscripts No. 12049, 12046, 12045, 12040, Kenai to Boulder Point, all shoreline and alongshore features Balance of above listed manuscripts were used only for horizontal control identification.

The area is primarily moderately timbered with spruce, fir, alder and bear claw above the mean high water line. Shoreline varies from fine black silt at the mouth of the Kenai River mouth to large fragmented boulders at Boulder Point. Most of the beachline is sand and shingle inter spersed with boulders of varying sizes. Numerous underground springs and some small creeks discharge small quantities of silt and water and are subject to constant change.

The area was inspected by cruising alongshore by launch and by walking the beach and bluff line. Foul areas now indicated on Chart No. 8553 are adequate. Two primary foul areas were noted as follows:

Kenai River Mouth

East Foreland to Moose Point

Quality of photographs was excellent. Areas of shadow were limited to the shoreline east of East Foreland and upper Knik Arm. No attempt was made to sketch in the mean high water line. Enough open areas in shadowed areas are available to adequately delineate mean high water line.

HORIZONTAL CONTROL:-

Four additional second-order triangulation stations were established between Kenai and East Foreland to supplement existing control in the area of hydrography. They were identified as follows:

AUDRY 1961 Manuscript No. 12049 Photo No. 1397
LOUISE 1961 " " 12049 " " 1402
BOO 1961 " " 12045 " " 1420
HELEN 1961 Traverse from East Foreland Light 1960.

Additional horizontal control recovery was made in upper Cook Inlet in accordance with project instructions. All stations were searched for and approximately 75 percent were recovered. Most of the stations not recovered are considered lost. It is recommended that the next vessel assigned to this project be given a Tellurometer. Simple traverse between recovered triangulation stations would adequately control presently un-controlled flight lines.

In many cases the listed triangulation station was not recovered and a U.S. Engineers' triangulation station was used as a substitute. It appears that the U.S. Engineers could not recover listed C&GS control and substituted their own stations.

Great assistance was rendered by the 5040 Air Transport Squadron at Elmendorf AFB in furnishing heliocopter service. Three days of flying enabled personnel to cover shoreline control stations over the greater part of upper Cook Inlet.

If additional control is required in the vicinity of Elmendorf AFB, use can be made of triangulation now being observed by a C&GS geodetic party. Triangulation station DORF 1961 (in the vicinity of LOOP 2) is to be set in the roof of a building on the base. By use of the description written by the observing party, an accurate office identification can be made.

Triangulation not plotted on the Photo Index was identified where it was on photographs. This control was established by G.W.M. in 1959 and H.G.C. in 1960.

VERTICAL CONTROL:-

None recovered or established.

CONTOURS AND DRAINAGE:-

No contouring was attempted.

Primary drainage features are the Kenai, Matanuska, Little Susitna, Susitna, Beluga, Kustitan, and Drift Rivers. Tidal sweep keeps some of the rivers from building up deltaic features. An extremely flat foreshor on the Matanuska, Little Susitna, Susitna and Beluga rivers give rise to wide deltas that change seasonally. Many small streams discharge around Cook Inlet but have no apparent seasonal change.

WOODLAND COVER:-

The major portion of the area is wooded and interspersed with muskeg and open grassy areas. These are easily identifiable on the photographs. In areas of increasing cultural activity, the woodland cover is being removed. No attempt was made to indicate these areas.

SHORELINE AND ALONGSHORE FEATURES:-

The mean high water line is adequately delineated on manuscripts 12049, 12046, 12045, 12040. In the area of photo hydro signals IVY and " EGG, east of East Foreland, the mean high water line is as follows:

IVY 30 meters inside MHW EGG on piles at MHW

Most of the shoreline signals are located at MHW along the beach. Many of the fishing huts set on piles at the base of the bluff were used as signals.

No attempt was made to delineate the low water line. Hydrography in the area should be satisfactory.

The foreshore area is primarily sand, small stones and boulders. The normal gradiation from stones at MHW to sand at MHW exists in all areas, except south of the Kenai River. In this area a heavy layer of silt is found in the tide zone.

OFFSHORE FEATURES:-

All offshore features are located by the hydrographer.

LANDMARKS AND AIDS:-

There are two fixed aids to navigation within the limits of the hydrographic project:

EAST FORELAND LIGHT

KENAI RIVER ENTRANCE RANGE

Both are located on Chart No. 8553.

One floating aid is also located on Chart No. 8553. Another can buo is maintained by the oil company and is located just north of the pier.

One landmark for charts is recommended in the Descriptive Report for SP-1-61. This landmark is identified as follows:

KENAI TANK 1959, located by G.W.M. and identified on Photo No. 60/1400.

BOUNDARIES, MONUMENTS AND LINES:-

None shown.

OTHER CONTROL: -

Photo hydro signals were located in accordance with standard instructions. Signal IVY was found in error and relocated photogrammentally, then verified by hydrographic cuts. Final location is shown on man script 12045.

Final location of photo hydro signals will remain in their relative position with the shoreline. Final compilation will cause a datum shift which will move both hydrography and signals the same relative amount.

DATUM DIFFERENCES:-

Radial plotting of photo identified control stations was made in the field. The following discrepancies were noted between plot positions and geographic positions.

EAST FORELAND LIGHT 1960	Lat.	-13.8 meters
	Long.	-75.4 meters
BOULDER (USE)	Lat.	-37.0 meters
	Long.	-45.2 meters
KENAI CHURCH STEEPLE 1909	Lat.	-15.3 meters
·	Long.	-23.6 meters

CULTURAL FEATURES:-

Numerous fishing shacks are located along high water line in the area of hydrography. These huts are subject to damage by winter storms and are in a constant state of transition. No attempt was made to locate current huts.

The Nikiski Oil Pier was under construction at the time of photography. The completed dimensions are available from a blueprint of the structure submitted with descriptive report for Project SP-1-61.

· Respectfully submitted,

Robert E. Williams, Lieut. Comdr., C&GS

Gerald C. Saladin

LTJG, C&GS

Arthur J. Wardwell

Arthur L. Wardwell,

Captain, C&GS

Comdg., Ship PATHFINDER

PHOTOGRAMMETRIC PLOT REPORT Job PH-6013 Cook Inlet, Alaska

April 13, 1967

21. Area Covered

The area covered by this report extends from the Redoubt Bay-East Foreland area to Anchorage, Alaska. Included in this area are T-sheets 11998 thru 12001, 12009 thru 12012, 12018, 12019, 12021, 12025 thru 12030, 12038, 12039, 12042 thru 12044, 12047, 12048 and 12987.

22. Method

Five strips were bridged on the C-8 and C-5 stereoplanigraph. Strip #1 (66-L-6602 thru 6623) was adjusted on four triangulation stations with tie points used as checks. Strip #2 (66-L-6629 thru 6634) was adjusted on two triangulation stations plus tie points from Strip #1. Strip #3 (66-L-6641 thru 6653) was adjusted on three triangulation stations plus ties. Strip #4 (66-L-6667 thru 6677) was adjusted on three triangulation stations plus 6725) was adjusted on three triangulation stations.

23. Adequacy of Control

The control, being premarked, was very good insofar as being able to see it clearly; however, in several cases, the 1:40,000 scale photography completely missed the stations. It should be noted that all strips were adjusted with minimum control, and as such, no positive proof can be provided that the adjustments are correct other than by means of tie points and residuals of adjustment. The tie points and residuals do indicate a good adjustment on all strips. Strip #4 had to be terminated at station SIT 1966 due to lack of control beyond this point. (Port McKenzie could not be seen on the 1:40,000 scale photography.) Attempts were made to provide a tie point for the terminal station on the east end of this strip by bridging three models south of Anchorage, dropping points onto Strip #4. This met with complete failure. Strip #6 had to be terminated on the southern end at station GRAY CLIFF 1909 since the station at East Foreland was not covered by the 1:40,000 scale photography.

24. Supplemental Data

Local USGS quads were used to provide vertical control used in the bridging adjustment.

The coverage of 1966 photography falls short of being sufficient to show the shallow mud areas which are near lower-low water level in the area of the Susitna River Delta. To provide for the delineation of the limiting line of this feature, scale points have been selected which are common to 61M photography which does show the limiting line. Ratios of these photographs will be provided for the graphic delineation of the limiting line only. The compiler should select whatever additional points are necessary for correct delineation. A holiday exists on some of the shoreline along Strip #9. A flight of 60W photography provides coverage and three ratio photos were provided for compilation of this area.

All points on the bridged plates were drilled by PUG methods. Plate 66-L-6719 was broken after bridging. A new plate was provided but it does not contain any drilled points. It is suggested that the models on either side be compiled and pass points be dropped on this plate for compilation.

25. Photography

Photography was adequate as to definition and overlap but was not adequate as to coverage. The 1:40,000 scale photos did not cover either the shoreline or the marked control on the east end of Strip #4 or the southwest end of Strip #9. A portion of the shoreline along the part of Strip #9 which was bridged also lacks coverage.

> Submitted Real Kawkins Affell Submitted by:

Paul Hawkins

Approved by:

John D. Perrow, Jr.

COMPILATION REPORT

T-11998

31. DELINATION:

Delineation was by the Kelsh Plotter, using 1:40,000 scale panchromatic photographs. Photography was adequate.

32. CONTROL:

See Photogrammetric Plot Report dated April 13, 1967.

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 shoreline of the Theodore and the Lewis Rivers was compiled.

36. OFFSHORE DETAILS:

Inapplicable.

37. LANDMARKS AND AIDS:

No charted landmarks or aids were located during compilation.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

Junctions are in agreement with T-11999 to the east and T-12010 to the south. There is no contemporary survey to the west and to the north.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with USGS Quadrangle TYONEK (B-3), ALASKA, scale 1:63,360, dated 1958.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with USC&GS Chart 8553 (Cook Inlet, Northern Part), scale 1:194,154, dated May 17, 1965, 7th Edition.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by:

L. Graves Cartographic Technician

July 1967

Approved:

Albert C. Rauck, Jr.

Albert C. Rauch. J.

Chief, Coastal Mapping Section

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6013 (Cook Inlet)

T-11998

Beluga River

Grants

Lewis River

Pretty Creek

Theodore River

Approved by:

A. J. Wraight/ Chief Geographer

Prepared by:

Frank W. Piokett Cartographic Technician

Field Edit Report Number Three Bay to Miller Creek Tyonek to Ivan River OPR-469-FA-77

GENERAL

This report covers the following manuscripts:

T-11998 T-11999 T-12009 T-12010 T-12011 T-12019 T-12020 T-12028 T-12029 T-12030 T-12041 T-12042

Field work is essentially complete on all maps.

The northern shore between North Foreland and Shorty Creek is characterized by sand and gravel beaches, backed by dirt bluffs in some areas, with small mud flats in the vicinity of the Tyonek Timber Company pier and Shorty Creek which are exposed at low tides. The rest of the northern shore is low and gently sloping with marshy areas above high water and extensive mud flats exposed at low tide.

The entire southern shore is littered with rocks and boulders, often to considerable distances from shore. Beach areas are sand and gravel with occasional areas of mud flats, not as extensive as found on the northern shore. Dirt bluffs line most of the beach.

A total of 153 fixes were taken to locate significant features along 44 nautical miles of shoreline. Each was assigned a number with the format DDD-FF, where DDD represents the julian day of the fix and FF represents the sequential fix number for that day.

All fix information is recorded in the field edit data volume. Fix times are given in Greenwich mean time. All height information is noted on the master field edit ozalid. Information on all signals and stations used for control is included with this report. Deletions are noted in green ink, additions and changes in red ink, verifications in violet ink. All are noted on the master field edit ozalid.

METHOD

Field edit along the southern shoreline was done by LTJG Neal millett and ENS Robert Crowell during the month of June, 1977. Work was performed at low tidal stages using a 17 foot skiff equipped with a Mini-ranger console and transceiver. Copies of the field edit ozalids and corresponding photographs were examined in the field. General features, including the mean high water line, were verified by visual comparison of the field edit ozalid

and the areas concerned.

Detached positions and heights were obtained on the more significant rocks. Control for fixes was by range-range and range-azimuth. In several instances sextant angles were also taken. Heights were estimated by comparison to a boathook of known length.

Field edit along the northern shoreline was done by LTJG Neal Millett and ENS Robert Crowell during the month of July, 1977. Initial field edit was done by helicopter at a low tidal stage. Copies of the field edit ozalids and corresponding photographs were examined in the field. Verification of general features, including the mean high water line, was done by visual comparison of the field edit ozalid and the area concerned. No control was used for this phase.

Follow-up field edit was done in those areas where detached positions were needed. Work was done using a 29 foot launch equipped with. Raydist electronic positioning equipment. Control for fixes was a combination of range-range, used to locate the launch, and visual. Three lines of position were determined to each object by taking horizontal sextant angles from the launch. The position of the launch was provided by the Raydist system. Heights were estimated by comparison to nearby objects of known size.

ADEQUACY OF COMPILATION

Compilation of the maps is generally adequate. Not all existing rocks on the southern shore were located due to their large numbers. Photography at low tidal stages would best accomplish this.

MAP ACCURACY

The positions of horizontal control stations as they plotted on the maps were compared to surrounding features, in some cases by measurement. These comparisons generally gave good results. Fix accuracy, as indicated by check fixes, was good.

RECOMMENDATIONS

It is recommended that the maps be revised as noted on the master field edit ozalid and then be accepted as advanced manuscripts. Improved photography, both in coverage and quality, would aid all stages of field edit.

INDIVIDUAL MANUSCRIPTS

Details specific to each manuscript are included in the following individual reports.

Map T-11998 Beluga River

METHOD

Initial field edit from the air revealed that no follow-up was necessary.

MAP ACCURACY

No checks on horizontal accuracy were performed. Accurate verification of the mean high water line would be impractical due to the gentle slope of the beach area and the extreme tidal range.

RECOMMENDATIONS

This map can be accepted as an advanced manuscript without revision.

Submitted by:

Robert B Crowell LTJG, NOAA

Approved by:

Williams

Commanding Officer NOAA Ship Fairweather

REVIEW REPORT T-11998

SHORELINE

GENERAL STATEMENT

See Summary included with this Descriptive Report.

- 62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS Not applicable.
- 63. COMPARISON WITH MAPS OF OTHER AGENCIES Not applicable.
- COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS Not applicable.
- COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS chart: 16660, scale 1:194,154, 22nd edition, May 8, 1982.

There were no major conflicts.

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

Approved for forwarding

Bill . Barnes

Chief, Photogrammetric Section

Approved

Chief, Photogrammetric Production Sec. Chief, Photogrammetry Branch

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. _

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.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
		·	
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
	 		
			Full Part Before After Verification Review Inspection Signed Via
		· · · · · · · · · · · · · · · · · · ·	Drawing No.