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-12038 Classification No. Final Map Edition No. 1
LOCALITY
State Alaska Cook Inlet General Locality Kalgin Island to Anchorage Locality Kustatan River
1966 TO 1976
REGISTRY IN ARCHIVES

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

NOAA FORM 76-36A (3-72) NATIONAL	U. S. DEPARTMENT OF COMMERCE OCEANIC AND ATMOSPHERIC ADMIN	TYPE OF SURVEY	SURVEY	жж. <u>Т-12038</u>
		ORIGINAL	MAPEDIT	TION NO. (1)
Descriptive per	PORT - DATA RECORD	RESURVEY	MADCIA	ss Final Map
DESCRIPTIVE REF	ORI - DATA RECORD			
DUOTACDA MUETRIC AFFICE		REVISED	10B	РН - 6013
PHOTOGRAMMETRIC OFFICE Coastal Mapping Divis	ion	LAST PRECI	EEDING MAP ED	ITION
Atlantic Marine Cente		TYPE OF SURVEY	108	РН
OFFICER-IN-CHARGE	- , 1,022,021, 1,1	ORIGINAL RESURVĖY		55
		RESURVEY	\$URVEY	
Jeffrey G. Carlen, Cd	r.		1 10-10	·'³ =
I. INSTRUCTIONS DATED		, 	<u> </u>	
<u> </u>	OFFICE		2. FIELD	
Compilation, Suppleme Compilation, Amend. 1 Aerotriangulation Compilation, Amend. 2	to Supp. 5 4/05/73 9/15/66	, [6/6/66 8/08/66
II. DATUMS		OTHER (Specify)		
1. HORIZONTAL:	X 1927 NORTH AMERICAN			
2. VERTICAL:	MEAN HIGH-WATER MEAN LOW-WATER MEAN LOWER LOW-WATER MEAN SEA LEVEL	OTHER (Specify)		
3. MAP PROJECTION			4. GRID(S)	
		STATE	ZONE	
Polyconic 5. SCALE		Alaska STATE	ZONE	4
1:20.000			1	
III. HISTORY OF OFFICE OPER	ATIONS	1 <u></u>		
OPE	RATIONS	NAME		DATE
1. AEROTRIANGULATION	ву	P. Hawkins		4/67
	igraph LANDMARKS AND AIDS BY			77 /70
2. CONTROL AND BRIDGE POIN METHOD: Coondinate		L. O. Neteres	r, Jr.	11/73
METHOD: Coordinato 3. STEREOSCOPIC INSTRUMENT		C. Blood L. O. Neteres	r. Jr	11/73 11/73
COMPILATION	PLANIMETRY BY CHECKED BY	R. R. White		11/73
INSTRUMENT: Wild B-		NA .		
scale: 1:20,000	CHECKED BY	NA		
4. MANUSCRIPT DELINEATION	PL ANIMETRY BY	C. Blood		11/73
	CHECKED BY	A. L. Shands		3/74
метноо: Smoothdraft	ed CHECKED BY	NA NA	-	+
_	HYDRO SUPPORT DATA BY	C. Blood	<u> </u>	11/73
scale: 1:20,000	CHECKED BY	A. L. Shands		3/74
5. OFFICE INSPECTION PRIOR	TO FIELD EDIT BY	A. L. Shands		3/74
6. APPLICATION OF FIELD EDI	T DATA	F. Margiotta		12/76
	CHECKED BY	L. O. Netere	•	12/76
7. COMPILATION SECTION REV		L. O. Neteres		12/76
8. FINAL REVIEW 9. DATA FORWARDED TO PHOT	OGRAMMETRIC BRANCH	J. Byrd/C. Bla	00d	7/86 9/86
10. DATA EXAMINED IN PHOTOG		J. Byrd P. Dempsen	•	Oct. 1986
II. MAP REGISTERED - COASTAL		ELDAUGHER	TV	1700 /87

NOAA FORM 76-36B (3-72)			NATIONAL OC			MENT OF COMMERCE
		T-120	38			NAL OCEAN SURVEY
}	CO	MPILATIO	N SOURCES			
1. COMPILATION PHOTOGRAPHY						<u>.</u>
CAMERA(S)		TYPE	S OF PHOTOGRAPHY	/	T.M.S. D.	
Wild RC-8 "L" TIDE STAGE REFERENCE]	LEGEND		IIME RI	EFERENCE
		(c) col	OR	ZONE		
PREDICTED TIDES REFERENCE STATION RECORDS		X (P) PAN	CHROMATIC		Alaska	XSTANDARD
TIDE CONTROLLED PHOTOGRAP	нү	(I) INF	RARED	MERIC	-	DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE		150th	OF TIDE
NOMBER AND THE			- JOAL		31,400	
66L6612 - 6617	8/14/66	07:40	1:40,0	00	0.5 ft.	above MLLW
66L6629 - 6632	8/14/66	08:00				below MLLW
		1			•	
]	1			
		}		,		
	<u> </u>					
REMARKS						
	4)					
2. SOURCE OF MEAN HIGH-WATER I	INE:					
The mean high water liv		1.10				
The mean high water lin	ie was compi	ted iro	n the above 1:	isted ph	otograph	.S.
3. SOURCE OF MEAN LOW-WATER O	- MEAN LOWER L	OW-WATER I	INF:			
J. SOUNDE O. MEAN TOWN MATERIA	·	O.,	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
The mean lower low water	r line was	compiled	from the sho	ntro liete	ad mhata	granhe
		00	t 110m one abo	140 TT206	a photo	grapus.
· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·			
4. CONTEMPORARY HYDROGRAPHIC	CHOVEVE at last	(th				
			rveys that are source	s tor photogra	mmetric surv	ay information.)
SURVEY NUMBER DATE(S)	SURVEY CO	PY USED	SURVEY NUMBER	DATE(S)	SU	RVEY COPY USED
						•
		<u>.</u>				
5. FINAL JUNCTIONS	e'r		SOUTH		WEST	
	ST			3	WEST	8Y a.u
T-12025	T-12039		T-1204	ر.	<u>L</u>	None
REMARKS						
						:

OPERATION FIELD EDIT OPERATION OPERATION NAME DATE OPERATION A. Mardwell 4/61 - OPERATION OPERATION ESTABLISHED BY NONE NONE OPERATION NONE NONE OPERATION STABLISHED BY NA NA OPERATION NAME NA NA OPERATION NONE NONE OPERATION OPERATION NONE OPERATION OPERATION NONE OPERATION OPERATION NONE OPERATION OPERATION NA OPERATION OPERATION NONE OPERATION OPERATION NA OPERATION OP	NOAA FORM 76-36C 3-72)	T-12038 History of field	NATIONAL OCEAN			
1. CHIEF OF FIELD PARTY 2. HORIZONTAL CONTROL PREMARKED OR IDENTIFIED BY NONE 3. VERTICAL CONTROL PREMARKED OR IDENTIFIED BY NA A LANDWARKS AND AIDS TO NAVIGATION IDENTIFIED BY NONE 5. GEOGRAPHIC NAMES INVESTIGATION SPECIFIC NAMES ONLY D NO INVESTIGATION CLARIFICATION OF DETAILS BY NONE 6. PHOTO INSPECTION CLARIFICATION OF DETAILS BY NONE M. SOURCE DATA 1. HORIZONTAL CONTROL IDENTIFIED NONE PHOTO NUMBERS (Clarification of details) NONE 3. PHOTO NUMBERS (Clarification of details) NONE PHOTO NUMBERS AND AIDS TO NAVIGATION IDENTIFIED NONE 3. PHOTO NUMBERS (Clarification of details) NONE STATION NAME PHOTO NUMBER OBJECT NAME OBJECT NAME STATION DEPORT	I. [X] FIELD INSPECTION					
A. MATCHWELL RECOVERED BY G. Saladin 4/61 = None PREMARKED OR IDENTIFIED BY NONE 3. VERTICAL CONTROL PREMARKED OR IDENTIFIED BY NA LOCATEC (Field Methods) BY NA LOCATEC (Field Methods) BY NA ALANDMARKS AND LOCATEC (Field Methods) BY NA LOCATEC (Field Methods) BY NONE TYPE OF INVESTIGATION SPECIFIC NAMES ONLY D NO INVESTIGATION SPECIFIC NAMES ONLY D NO INVESTIGATION SPECIFIC NAMES ONLY NONE 8. PHOTO INSPECTION CLARIFICATION OF DETAILS BY NONE 1. SOUNCE DATA 1. HORIZONTAL CONTROL IDENTIFIED NONE PHOTO NUMBER STATION.NAME PHOTO NUMBER OBJECT NAME NODE 1. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NONE PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME OBJECT NAME SUPPLEMENTAL MAPS AND PLANS NONE 3. GEOGRAPHIC NAMES: REPORT NONE 4. BOUNDARY AND LIMITS: REPORT NONE S. GEOGRAPHIC NAMES: REPORT NONE 4. BOUNDARY AND LIMITS: REPORT NONE S. GEOGRAPHIC NAMES: REPORT NONE S. GEOGRAPHIC NAMES S. GEOGRAPHIC				ME _		DATE
A. Mardwell RECOVERED BY S. Saladin 4/61 = None PRE-MARKED OR IDENTIFIED BY NA NA VERTICAL CONTROL RECOVERED BY NA NA PRE-MARKED OR IDENTIFIED BY NA LOCATED (Firial Methods) BY AN ALANDMARKS AND AND LOCATED (Firial Methods) BY AND TO MAVIGATION LOCATED (Firial Methods) BY AND TO MAVIGATION DESTINATION SPECIFIC NAMES ONLY TYPE OF INVESTIGATION SPECIFIC NAMES ONLY NONE 6. PHOTO INSPECTION CLARIFICATION OF DETAILS BY NONE 7. BOUNDARIES AND LIMITS SURVEYED OR IDENTIFIED 2. VERTIGAL CONTROL IDENTIFIED NONE PHOTO NUMBER STATION NAME PHOTO NUMBER STATION DESIGNATION NONE A. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NONE A. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NONE A. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NONE STATION NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME STATION DESIGNATION NONE A. BOUNDARY AND LIMITS: REPORT IN NONE S. GEOGRAPHIC NAMES: REPORT IN NAME RECOVERED BY NA NONE S. GEOGRAPHIC NAME	1 CHIEF OF FIELD BAR					
2. HORIZONTAL CONTROL PRE-MARKED OR IDENTIFIED BY NONE RECOVERED BY NA 3. VERTICAL CONTROL RECOVERED (Triangulation Stations) BY AL LANDMARKS AND ALDRESS (Clarification of details) NONE STATION NAME AL LANDMARKS AND ALDRESS (Clarification of details) NONE NONE NONE STATION NAME STATION NAME STATION NAME AL LANDMARKS AND ALDRESS TO NAVIGATION IDENTIFIED NONE NA SURVEYED OR IDENTIFIED 2. VERTICAL CONTROL IDENTIFIED NONE NA NA NONE NA STATION NAME STATION NAME PHOTO NUMBER STATION DESIGNATION NONE NA STATION DESIGNATION NONE NA STATION NAME PHOTO NUMBER STATION DESIGNATION NONE NONE NONE PHOTO NUMBER STATION DESIGNATION STATION NAME PHOTO NUMBER STATION DESIGNATION NONE NONE NONE NONE STATION NAME STATION NAME PHOTO NUMBER STATION DESIGNATION STATION NAME PHOTO NUMBER STATION DESIGNATION NONE NONE NONE NONE STATION DESIGNATION STATION NAME PHOTO NUMBER OBJECT NAME STATION STATION NAME PHOTO NUMBER OBJECT NAME STATION STATION NAME PHOTO NUMBER OBJECT NAME STATION STATION NAME PHOTO NUMBER STATION DESIGNATION OBJECT NAME STATION STATION NAME STATION DESIGNATION OBJECT NAME STATION STATION NAME PHOTO NUMBER OBJECT NAME STATION STATION NAME PHOTO NUMBER OBJECT NAME STATION STATION NAME STATION DESIGNATION OBJECT NAME NONE STATION STATION NAME PHOTO NUMBER OBJECT NAME NONE STATION STATION NAME STATION STATIA	- CHIEF OF FIELD PART			 ;		<u> 161 - 7/6</u>
RECOVERED BY NA RECOVERED BY NA 3. VERTICAL CONTROL PRE-MARKED OR IDENTIFIED BY NA RECOVERED (Triangulation Stations) BY NONE 4. LANDMARKS AND LOCATED (Fleid Methods) BY NONE AIDS TO MAVIGATION LOCATED (Fleid Methods) BY NONE TYPE OF INVESTIGATION SECURIFIED BY NONE TYPE OF INVESTIGATION NONE 6. PHOTO INSPECTION CLARIFICATION OF DETAILS BY NONE 7. BOUNDARRIES AND LIMITS SURVEYED OR IDENTIFIED BY NA NONE NONE PHOTO NUMBER STATION NAME PHOTO NUMBER STATION DESIGNATION PHOTO NUMBER OBJECT NAME S. GEOGRAPHIC NAMES: REPORT NONE S. GEOGRAPHIC NAMES: REPORT NONE REPORT NONE S. GEOGRAPHIC NAMES: REPORT NONE NONE S. GEOGRAPHIC NAMES: REPORT NONE NONE S. GEOGRAPHIC NAMES: REPORT NONE REPORT NONE S. GEOGRAPHIC NAMES: REPORT NA RECOVERED BY NONE S. GEOGRAPHIC NAMES: REPORT NA RECOVERED BY NONE S. GEOGRAPHIC NAMES: REPORT NA RECOVERED BY NONE S. GEOGRAPHIC NAMES NONE S. GEOGRAPHIC NAMES RECOVERED BY NONE S. GEOGRAPHIC NAMES RECOVERED BY NONE S. GEOGRAPHIC NAMES RECOVERED BY NA NA NONE S. GEOGRAPHIC NAMES NONE S. GEOGRAPHIC NAMES RECOVERED BY NA NA NONE S. OVERTIFICE BY NA NA NONE S. OVERTIFICE BY NA NA NONE	4					<u> /61 - 7/6</u>
RECOVERED BY NA VERTICAL CONTROL PREMARKED OR IDENTIFIED BY NA RECOVERED (Triangulation Stations) BY NONE ALD TO HAVIGATION LOCATED (Field Methods) BY NONE TYPE OF INVESTIGATION SORGEAPHIC NAMES INVESTIGATION CLARIFICATION OF DETAILS BY NONE RECOVERED (Triangulation Stations) BY NONE TYPE OF INVESTIGATION SORGEAPHIC NAMES ONLY SORGEAPHIC NAMES ONLY SOUNDABIES AND LIMITS SURVEYED OR IDENTIFIED BY NA IL SOUNCE DATA IL HORIZONTAL CONTROL IDENTIFIED NONE PHOTO NUMBER STATION NAME PHOTO NUMBER STATION DESIGNATION NONE AL LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NONE PHOTO NUMBER OBJECT NAME STATION DESIGNATION NONE A. BOUNDARY AND LIMITS: REPORT NONE S. GEOGRAPHIC NAMES: REPORT NONE S. GEOGRAPHIC NAMES: REPORT NONE S. OFFICE NAME OBJECT NAME	Z. HORIZONTAL CONTRO					
S. VERTICAL CONTROL PREMARKED OR IDENTIFIED BY NA RECOVERED (Triangulation Stations) BY NONDE 1. CAYED (Field Methods) BY NONDE 1. DENTIFICE BY NONDE 2. DEUDRARIES AND LIMITS 3. DEVELOPMENTAL CONTROL IDENTIFIED NONDE NA 1. HORIZONTAL CONTROL IDENTIFIED NONDE NA 3. PHOTO NUMBER STATION NAME PHOTO NUMBER STATION DESIGNATION NONDE NONDE NONDE NONDE NONDE NONDE NONDE 1. PHOTO NUMBERS (Clarification of details) NONDE NO	<u> </u>					
RECOVERED (Tringulation Stations) BY NONE 4. LANDMARKS AND LOCATED (Field Methods) BY NONE A LOCATED (Field Methods) BY NONE S. GEOGRAPHIC NAMES COMPLETE NONE S. PHOTO INSPECTION CLARIFICATION OF DETAILS BY NONE S. PHOTO INSPECTION CLARIFICATION OF DETAILS BY NONE S. PHOTO INSPECTION CLARIFICATION OF DETAILS BY NONE S. PHOTO NUMBERS AND LIMITS SURVEYED OR IDENTIFIED BY NA I. HORIZONTAL CONTROL IDENTIFIED NONE NA PHOTO NUMBER STATION NAME PHOTO NUMBER STATION DESIGNATION NONE NONE NONE NONE NONE NONE PHOTO NUMBERS (Clarification of details) NONE NONE NONE PHOTO NUMBERS (Clarification of DETAILS) NONE S. GEOGRAPHIC NAMES: REPORT NONE CBJECT NAME S. GEOGRAPHIC NAMES: REPORT NONE CBJEC	3 VERTICAL CONTROL					
A. LANDMARKS AND AIDS TO NAVIGATION A. LANDMARKS AND AIDS TO NAVIGATION AIDS TO NAVIGATION TYPE OF INVESTIGATION TYPE OF INVESTIGATION SPECIFIC NAMES ONLY NONE A. BOUNDARIES AND LIMITS BUNVESTIGATION A. BOUNDARIES AND LIMITS BUNVESTIGATION A. BOUNDARIES AND LIMITS BUNVESTIGATION A. BOUNDARIES AND LIMITS BUNVEYED OR IDENTIFIED BY NA B. SOURCE DATA B. SOURCE DATA B. SOURCE DATA B. SOURCE DATA C. CARIFICATION OF DETAILS BY NA B. SOURCE DATA C. MORE PHOTO NUMBER STATION NAME PHOTO NUMBER STATION NAME PHOTO NUMBER A. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NONE B. GEOGRAPHIC NAMES: REPORT NONE A. BOUNDARY AND LIMITS: REPORT NONE B. GEOGRAPHIC NAMES: REPORT NONE B. GEOGRAPHIC NAMES: REPORT NONE B. OTHER FIELD RECORDS (Sketch books, etc. DO NOT Ilist data submitted to the Geodesy Division)	, venilone continoe					
AL LANDMARKS AND AIDS TO NAVIGATION LOENTIFIED BY NONE TYPE OF INVESTIGATION S. GEOGRAPHIC NAMES COMPLETE BY NONE S. GEOGRAPHIC NAMES SECURIC NAMES ONLY STATION OF DETAILS BY NONE S. PHOTO INSPECTION CLARFICATION OF DETAILS BY NONE S. DOUNDARIES AND LIMITS SURVEYED OR IDENTIFIED BY NA INSURCE DATA I. HORIZONTAL CONTROL IDENTIFIED NA STATION NAME PHOTO NUMBER STATION DESIGNATION NONE NA PHOTO NUMBER STATION NAME PHOTO NUMBER STATION DESIGNATION NONE NONE STATION IDENTIFIED NONE NONE STATION NAME PHOTO NUMBER OBJECT NAME NONE NONE OBJECT NAME PHOTO NUMBER OBJECT NAME S. GEOGRAPHIC NAMES: REPORT NONE SOUNDARY AND LIMITS: REPORT NONE S. GEOGRAPHIC NAMES: REPORT NONE SOUNDARY AND LIMITS: REPORT NONE S. GEOGRAPHIC NAMES: REPORT NONE SOUNDARY AND LIMITS: REPORT NONE S. OTHER FIELD RECORDS (Sketch books, etc. DO NOT IIsi data submitted to the Geodesy Division)	-	- 				
AIDS TO NAVIGATION TYPE OF INVESTIGATION TYPE OF INVESTIGATION TYPE OF INVESTIGATION SPECIFIC NAMES ONLY NONE PHOTO INSPECTION CLARIFICATION OF DETAILS BY DO INVESTIGATION PHOTO INSPECTION CLARIFICATION OF DETAILS BY NA SOURCE DATA THORIZONTAL CONTROL IDENTIFIED NONE PHOTO NUMBER STATION NAME PHOTO NUMBER STATION NAME PHOTO NUMBER STATION DESIGNATION NONE A PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME TO SUPPLEMENTAL MARES: REPORT NONE STATION DESIGNATION OBJECT NAME OBJECT NAME OBJECT NAME OBJECT NAME NONE STATION DESIGNATION OBJECT NAME	4. LANDMARKS AND					
TYPE OF INVESTIGATION COMPLETE SECURIC NAMES ONLY SECURIC NAMES ONLY SECURIC NAMES ONLY NO INVESTIGATION SECURIC NAMES ONLY NO INVESTIGATION NODE NO INVESTIGATION LARIFICATION OF DETAILS BY NODE NA SURVEYED ON IDENTIFIED NODE NA STATION NAME PHOTO NUMBER STATION DESIGNATION NODE A. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NODE NODE A. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NODE A. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NODE STATION DESIGNATION NODE DESIGNATION STATION DESIGNATION PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME STATION DESIGNATION OBJECT NAME PHOTO NUMBER OBJECT NAME S. GEOGRAPHIC NAMES: REPORT NODE S. GEOGRAPHIC NAMES: REPORT NODE S. OTHER FIELD RECORDS (Sketch books, etc. DO NOT IIst data submitted to the Geodesy Division)						
SPECIFIC NAMES ONLY BY MO INVESTIGATION SOURCE DATA I. HORIZONTAL CONTROL IDENTIFIED NOTE PHOTO NUMBER STATION NAME STATION NAME PHOTO NUMBERS (Clarification of details) None A. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NONE PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER STATION DESIGNATION NONE PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME STATION DESIGNATION OBJECT NAME PHOTO NUMBER OBJECT NAME STATION DESIGNATION OBJECT NAME PHOTO NUMBER OBJECT NAME OBJECT NAME NONE S. GEOGRAPHIC NAMES: REPORT NONE S. GEOGRAPHIC NAMES: REPORT NONE S. OFFICE OF THE STATE OF THE S			Hone			
SPECIFIC NAMES ONLY BY MO INVESTIGATION SOURCE DATA I. HORIZONTAL CONTROL IDENTIFIED NONE PHOTO NUMBER STATION NAME STATION NAME PHOTO NUMBERS (Clarification of details) None A. PHOTO NUMBERS (Clarification of details) None S. GEOGRAPHIC NAMES: REPORT NONE S. GEOGRAPHIC NAMES: REPORT NONE S. GEOGRAPHIC NAMES: REPORT NONE S. OTHER FIELD RECORDS (Sketch books, etc. DO NOT Illet date submitted to the Geodesy Division)	5. GEOGRAPHIC NAMES	COMPLETE]	
S. PHOTO INSPECTION CLARIFICATION OF DETAILS BY NOTE 7. BOUNDARIES AND LIMITS 3. SURVEYED OR IDENTIFIED 9. NA 1. SOURCE DATA 1. HORIZONTAL CONTROL IDENTIFIED NOTE PHOTO NUMBER STATION NAME PHOTO NUMBER STATION DESIGNATION NOTE 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NOTE PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME STATION DESIGNATION OBJECT NAME PHOTO NUMBER OBJECT NAME STATION DESIGNATION OBJECT NAME PHOTO NUMBER OBJECT NAME STATION DESIGNATION OBJECT NAME OBJECT NAME OBJECT NAME OBJECT NAME STATION DESIGNATION OBJECT NAME O		SPECIFIC NAMES ONLY				
7. BOUNDARIES AND LIMITS 11. SOURCE DATA 11. HORIZONTAL CONTROL IDENTIFIED 12. VERTICAL CONTROL IDENTIFIED 13. PHOTO NUMBER 14. PHOTO NUMBERS (Clariffication of details) 15. NOTE 16. PHOTO NUMBERS (Clariffication of details) 16. NOTE 17. NOTE 18. OBJECT NAME 18. DOUNDARY AND LIMITS: PREPORT NONE 18. OTHER FIELD RECORDS (Sketch books, stc. DO NOT list date submitted to the Geodesy Division)		NO INVESTIGATION]	
II. SOURCE DATA 1. HORIZONTAL CONTROL IDENTIFIED NOR PHOTO NUMBER STATION NAME PHOTO NUMBERS (Clarification of details) None 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED None PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME STATION DESIGNATION PHOTO NUMBER OBJECT NAME S. GEOGRAPHIC NAMES: REPORT NONE REPORT NONE S. GEOGRAPHIC NAMES: REPORT NONE NONE NONE S. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)	6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None			
1. HORIZONTAL CONTROL IDENTIFIED NONE PHOTO NUMBER STATION NAME PHOTO NUMBERS (Clarification of details) NONE 1. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED NONE PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME STATION DESIGNATION PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME STATION DESIGNATION OBJECT NAME PHOTO NUMBER OBJECT NAME STATION DESIGNATION OBJECT NAME OBJECT NAME OBJECT NAME NONE STATION DESIGNATION OBJECT NAME	7. BOUNDARIES AND LIM	TS SURVEYED OR IDENTIFIED BY	NA			
None PHOTO NUMBERS (Clarification of details) None 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED None PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME 5. GEOGRAPHIC NAMES: REPORT NONE 6. BOUNDARY AND LIMITS: REPORT NONE 7. SUPPLEMENTAL MAPS AND PLANS None 8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)	II. SOURCE DATA		<u> </u>			
3. PHOTO NUMBERS (Clarification of details) None 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED None PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME 5. GEOGRAPHIC NAMES: REPORT NONE TO SUPPLEMENTAL MAPS AND PLANS None 8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)	I. HORIZONTAL CONTRO	L IDENTIFIED	2. VERTICAL CONT	ROL IDEN	TIFIED .	
3. PHOTO NUMBERS (Clarification of details) None 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED None PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME OBJECT NAME 5. GEOGRAPHIC NAMES: REPORT NONE 6. BOUNDARY AND LIMITS: REPORT NONE 7. SUPPLEMENTAL MAPS AND PLANS None 8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)	None		NA			
None None Photo number Object name Photo number Object name 5. Geographic names: Report None 6. Boundary and Limits: Report None 7. Supplemental maps and plans None 8. Other Field Records (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)	PHOTO NUMBER	STATION NAME	PHOTO NUMBER	51	TATION DESIGN	ATION
None None Photo number Object name Photo number Object name 5. Geographic names: Report None 6. Boundary and Limits: Report None 7. Supplemental maps and plans None 8. Other Field Records (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)						
None PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME PHOTO NUMBER OBJECT NAME S, GEOGRAPHIC NAMES: REPORT NONE None 6. BOUNDARY AND LIMITS: REPORT NO None None OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)	,	rification of details)				
5. GEOGRAPHIC NAMES: REPORT NONE 6. BOUNDARY AND LIMITS: REPORT NOT SUPPLEMENTAL MAPS AND PLANS None 8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)	4. LANDMARKS AND AIDS	TO NAVIGATION IDENTIFIED				
7. SUPPLEMENTAL MAPS AND PLANS None 8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list date submitted to the Geodesy Division)	PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER		ÓBJECT NAM	1E
7. SUPPLEMENTAL MAPS AND PLANS None 8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)						
None 8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list date submitted to the Geodesy Division)			6. BOUNDARY AND	LIMITS:	REPORT	NONE
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)	re der reemenine mark	COUNTRAINS				
	None					
None	8. OTHER FIELD RECOR	DS (Sketch books, etc. DO NOT list data submi	tted to the Geodesy Div	rision)		
	None					

NOAA FORM 76—36C (3—72)	T-12038 History of Field		U. S. DEPARTMENT OF COMMERCAND ATMOSPHERIC ADMINISTRATIONAL OCEAN SURVI
I. T FIELD INSPECTION	<u> </u>	D EDIT OPERATION	- Ang tagan - Ang tagan - Ang ta
	OPERATION	NAMI	E DATE
1. CHIEF OF FIELD PAR	TY		
	RECOVERED BY	R. Melby None	6/66
2. HORIZONTAL CONTRO		None	
	PRE-MARKED OR IDENTIFIED BY	None	
	RECOVERED BY	NA NA	
3. VERTICAL CONTROL	ESTABLISHED BY	NA.	_
	PRE-MARKED OR IDENTIFIED BY	NA	
<u> </u>	RECOVERED (Triangulation Stations) BY	None	
4. LANDMARKS AND AIDS TO NAVIGATION	LOCATED (Field Methods) BY	<u>None</u>	
AIDS TO NAVIGATION	IDENTIFIED BY	None	
	TYPE OF INVESTIGATION	ľ	
5. GEOGRAPHIC NAMES INVESTIGATION	COMPLETE BY SPECIFIC NAMES ONLY		
	D NO INVESTIGATION		
S. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	N	
NOUNDARIES AND LIN		None None	
I. SOURCE DATA	THE STATE OF IDEASTIFIED BY	<u>L None</u>	
None	DE IDENTIFIED	2. VERTICAL CONTRO	DL IDENTIFIED
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
3. PHOTO NUMBERS (Cla	uification of details)		
None			
4. LANDMARKS AND AID	S TO NAVIGATION IDENTIFIED		
None			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
	•		
5. GEOGRAPHIC NAMES:		6. BOUNDARY AND LI	MITS: REPORT X NONE
7. supplemental map None	S AND PLANS		
OTHER FIELD RECOR	DS (Sketch books, etc. DO NOT list data submit	ted to the Geodesy Divisi	ion)
None			•

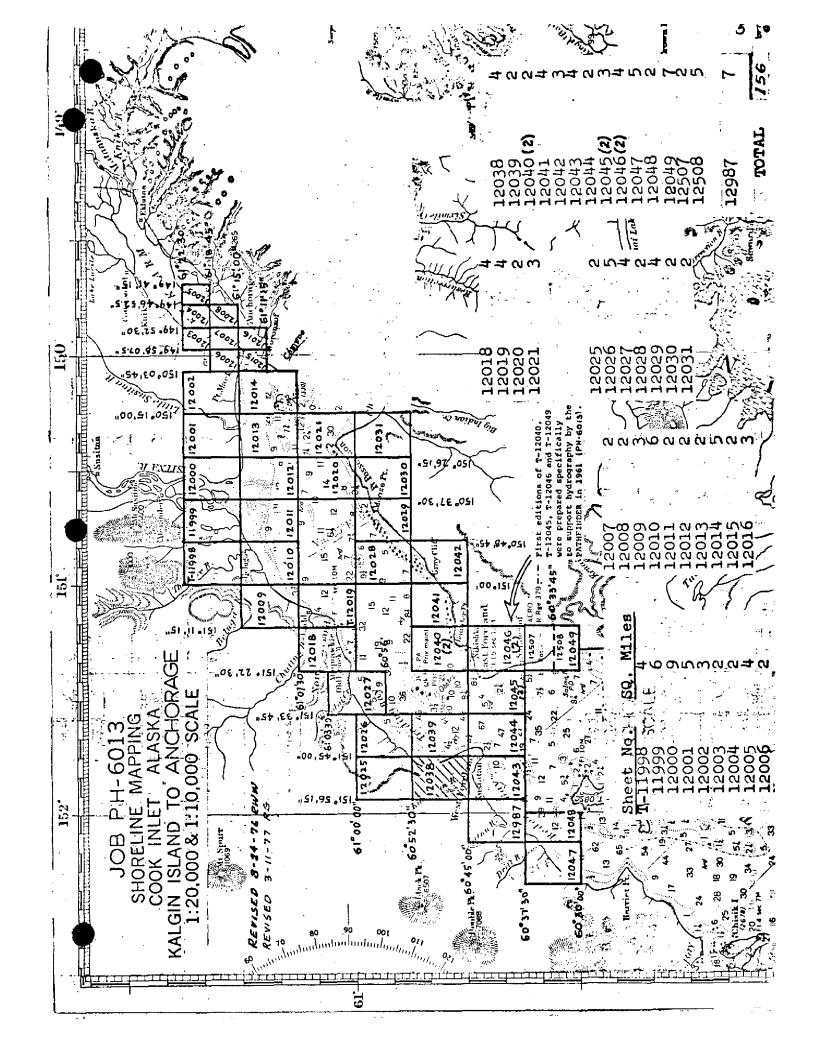
OAA FORM 76-36C 1-72)		NATIONAL OCEA	NIG AND ATMOSPHE	TMENT OF COMME RIC ADMINISTRAT ONAL OCEAN SURV
	HISTORY OF FIELD	OPERATIONS		
. FIELD INSPECTION OPE	RATION X FIEL	D EDIT OPERATION		
OF	ERATION		NAME	DATE
. CHIEF OF FIELD PARTY		0 77 77	_ 3	Jun-July 1975
	RECOVERED BY	C. K. Town	isena	1975
HORIZONTAL CONTROL	ESTABLISHED BY	None		
	PRE-MARKED OR IDENTIFIED BY	None		
	RECOVERED BY	NA		
VERTICAL CONTROL	ESTABLISHED BY	NA		
	PRE-MARKED OR IDENTIFIED BY	NA		
R	ECOVERED (Triangulation Stations) BY	None		
LANDMARKS AND AIDS TO NAVIGATION	LOCATED (Field Methods) BY	None		
	IDENTIFIED BY	None		
	TYPE OF INVESTIGATION			ĺ
GEOGRAPHIC NAMES INVESTIGATION	SPECIFIC NAMES ONLY			į
	NO INVESTIGATION			
PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None		
BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA		
SOURCE DATA				
HORIZONTAL CONTROL IDE	NTIFIED	2. VERTICAL CON	TROL IDENTIFIED	
None		NA_		
HOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION	DESIGNATION
. PHOTO NUMBERS (Clarificat	ion of details)			···
None				
LANDMARKS AND AIDS TO M	AVIGATION IDENTIFIED			
None		1		<u>·</u>
HOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJE	CTNAME
		}		
		1		
		1		
<u></u>		<u> </u>	<u> </u>	
GEOGRAPHIC NAMES:	REPORT X NONE	6. BOUNDARY AN	D LIMITS: RE	PORT X NONE
SUPPLEMENTAL MAPS AND	PLARS			
None OTHER FIELD RECORDS (Sk	etch books, etc. DO NOT list data submit	ted to the Geodesia D	lvision)	
·	ormi noors, ote. Se ue i list dan anomit	to the Geodesy D		
None				
AA FORM 76-36C				

NOAA FORM 76-366 (3-72)	G	T-12038		EANIC AI	U. S. DEPARTMEN ND ATMOSPHERIC NATIONAL	IT OF COMMERCE Administration Ocean survey
<u> </u>		HISTORY OF FIELD	OPERATIONS			
1. PIELD INSP	ECTION O	PERATION	D EDIT OPERATION	ON 		
		OPERATION		NAME		DATE
I. CHIEF OF FIEL	D PARTY		R. E. Alde	rman.	CAPT, NOAA	8/76
		RECOVERED BY	None			
2. HORIZONTAL C	CONTROL	ESTABLISHED BY	None			<u></u>
		PRE-MARKED OR IDENTIFIED BY	None			
5 WEDTIGHT		RECOVERED BY	NA.			
3. VERTICAL CON	NIROL	ESTABLISHED BY	NA			
		PRE-MARKED OR IDENTIFIED BY	NA NA			
4. LANDMARKS AL	ND	RECOVERED (Triangulation Stations) BY	C P Vogi	naki /I	N. G. Millet	t 8/76
AIDS TO NAVIG		LOCATED (Field Methods) BY	G. F. AOSI	<u> 119K1/1</u>	A. A. MITTER	0 0//0
		TYPE OF INVESTIGATION				
5. GEOGRAPHIC N	AMES	COMPLETE				
INVESTIGATION	N	SPECIFIC NAMES ONLY	-			
		NO INVESTIGATION	NA			
6. PHOTO INSPEC	TION	CLARIFICATION OF DETAILS BY	NA			
7. BOUNDARIES A	NO LIMITS	SURVEYED OR IDENTIFIED BY	NA			
II. SOURCE DATA		DEUT/E/CO	la venzioni e	CHIT DOL	- BEUTIFIED	
1. HORIZONTAL C	ONTROL	DENTIFIED	2. VERTICAL C	ONTROL	IDENTIFIED	
PHOTO NUMBER		STATION NAME	РНОТО МИМВЕ	R	STATION DESIG	SNA TION
	NA			NA	A	
3. PHOTO NUMBE	RS (Clarific	cation of details)	<u> </u>		· · · · · · · · · · · · · · · · · · ·	
NA						
4. LANDMARKS A	ND AIDS TO	NAVIGATION IDENTIFIED				
Stack & Mi	crowave	e Tower P.A. Marathon Tradi	ng Bay Faci	lity.	See 76-40.	
PHOTO NUMBER		OBJECT NAME	РНОТО NUMBE	R	N TOJLAO	AME
	55 55 55					·
5. GEOGRAPHIC N	IAMES:	REPORT NONE	6. BOUNDARY	AND LIMI	TS: REPOR	T X NONE
7. SUPPLEMENTA	L MAPS A	ND PLANS				
None					··-	
Raw Field Field Edit Field Edit	Edit Da Ozalio Repor	(Sketch books, etc. DO NOT list date submit 11a, OPR-469-FA-76, Volume 1; Map T-12038 t, Map T-12038 Dmputations, Map T-12038	Two		Reports, OP	R-469-FA-76

NOAA FORM 76-36D (3-72) U, S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

T-12038 RECORD OF SURVEY USE

			RECO	RD OF SURVE	YUSE			
I. MANUSC	RIPT COPIES							
	Co	MPILATIO	N STAGE	s			DATE MANUSCR	IPT FORWARDED
	DATA COMPILED	DAT	re.	_RE	MARK5		MARINE CHARTS	HYDRO SUPPORT
	ation complete,	11/7	73	Class III	manusc:	ript	None	4/16/74
Partia	l field edit.	3/7	76	Class III	manusc	ript	<u>None</u>	None
	edit applied. ation complete.	12/7	76	Class I m	nanuscri	pt	2/11/77	2/11/77
Final		7/8	86	Final Maj	p			
	ARKS AND AIDS TO NAVIGA							
I. REP	ORTS TO MARINE CHART DI	DA-	TE	DATA BRANCH		REM	ARKS	
	NUMBER ASSIGNED	FORWA	RDED	 -				· · · · · · · · · · · · · · · · · · ·
1		2/6/	78	: 5 landmar	eka for a	shorta		,
\	-	27.07	70		NO IUL	SHOT NO		
. ,								
							•	
		ļ <u></u> ,						
2. [X]	REPORT TO MARINE CHART	DIVISION	COAST	PILOT BRANCH.	DATE FOR	WARDED:	February	6, 1978
. 3.	REPORT TO AERONAUTICA	L CHART						
III. FEDE	RAL RECORDS CENTER DAT	TA						
1. [X]	BRIDGING PHOTOGRAPHS; CONTROL STATION IDENTI	EICATION	CAPDS	BRIDGING REPO	RT; [X]C	OMPUTE	R READOUTS.	
	SOURCE DATA (except for G							·
· ·	ACCOUNT FOR EXCEPTION	IS:		,		•••		
4 [DATA TO FEDERAL RECOF	RDS CENTE	ER. DAT	E FORWARDED:				_
IV. SURVE	SURVEY NUMBER		NUMBE		o edition is r		TYPE OF SURVEY	
SECOND	TP -		H			RE		SURVEY
EDITION	DATE OF PHOTOGRAPH			ELD EDIT			MAP CLASS	
					□n.	$\square m$.	□1v. □v.	FINAL
	SURVEY NUMBER	1	NUMBE	R		_	TYPE OF SURVEY	
THIRD	TP.		H	PLO EDIT		∐ RE\	/ISED Like: Map Class	SURVEY
EDITION	DATE OF PHOTOGRAPH	T DAT	E OF FI	ELD EDIT	<u></u> n.	□		FINAL
	SURVEY NUMBER	JOB	NUMBE	R			YPE OF SURVEY	
FOURTH	ТР	_ (4) P	H			REV	ISED RES	:ORVÉY
EDITION	DATE OF PHOTOGRAPH	HY DAT	FE OF FI	ELD EDIT		П	MAP CLASS	
	i	i			l Du.	1.1101.	□ıv. □v	FINAL



SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT

T-12038

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 future aerotriangulation.

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

Aerotriangulation was performed in the Washington office in April 1967 and January 1974.

This map was compiled at the Norfolk office in March 1974.

Field edit was performed for T-12038 during the 1975 and 1976 field seasons. Field edit data was applied at AMC in December 1976.

Final review was performed at the Atlantic Marine Center in July 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

T-12038

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of the horizontal control necessary for the aerotriangulation of the project.

Photogrammetric Plot Report Cook Inlet, Alaska Job PH-6013 January 1974

21. Area Covered

The area covered by this report is along the coast at West Foreland Cook Inlet, Alaska. This area is covered by four 1:20,000 scale sheets TP-12038, TP-12039, TP-12043, and TP-12044.

22. Method

One strip of 1:40,000 scale panchromatic photography was bridged by analytic methods. Sketch #1 shows the flight line of the photography and the placement of the control used in this adjustment. This strip was adjusted in April 1967 but part of the bridging photography was lost. Points were transferred from the old bridge photography to this bridge using the same photography to control the northwest end of the strip. Data for plotting the points were furnished to AMC to be plotted by manual methods.

23. Adequacy of Control

The control was adequate.

24. Supplemental Data

The data from the 1967 bridge were used to control the northwest end of the strip.

25. Photography

The photography was adequate. Ratios were ordered on January 3, 1974.

Respectfully submitted,

Ive 0. Raborn

Approved and forwarded:

John D. Perrow, Jr.

Chief, Aerotriangulation Section

PHOTOGRAMMETRIC PLOT REPORT Job PH-6013 Cook Inlet, Alaska

Arcil 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

we also

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 by:

Rad Marchine

17710

Paul Hawkins

Approved by:

John D. Perrow, Jr.

NOAA FORM 76-41 (6-75)				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	S. DEPARTMENT OF C Atmospheric admini	OMMERCE STRATION
		DESCRIPTIV	CRIPTIVE REPORT CONTROL RECORD			
MAP NO.	JOB NO.		GEODETIC DATUM	ORIGINATING ACTIVITY	i .	pring
T-12038	PH-6013	13	NA 1927	ision,	AMC, Norfolk, VA	VA
ANAM MOLTATO		AEROTRI-	COORDINATES IN FEET	ľ	0 4 2 3 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
1 E C C C C C C C C C C C C C C C C C C	(Index)	POINT	ZONE		FORWARD	BACK
очи умн	7 D VO.		χ=	\$ 60 47 59.692	1847.6	(6.6)
	700 007		<i>y=</i>	λ 151 45 57.256	866.0	(41.5)
			χ=	φ		
•			=ĥ	٧		
			x =	ф		
			i de	۲		
			χ=	ø		
			y=	γ		
			χ=	ф		
			<i>h</i> =	γ		
			-χ	ф		
			η=	γ		
			χ=	φ		
			<i>y=</i>	γ		
			χε	ф		
			=ħ	γ		
			<i>*</i> χ	•		
			n=	γ		
			-χ	ф		
			ye	۲		
COMPUTED BY R. R. White		DATE 11/14/73	COMPUTATION CHECKED BY L. B	B. Foltz	DATE 11/14/73	73
LISTED BY		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.	H IS OBSOLETE.		

ERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

COMPILATION REPORT

T-12038

31. DELINATION:

Delineation was by the Wild B-8 stereoplotter using 1:40,000 panchromatic photography. The 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 by the Wild B-8 stereoplotter and by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

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

36. OFFSHORE DETAILS:

None.

37. LANDMARKS AND AIDS:

No charted landmarks or aids were noted during compilation.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

See the attached Form 76-36B, Item #5 of the Descriptive Report, concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with the following USGS Quadrangles: KENAI (D-5) and (D-6), ALASKA, scale 1:63,360, dated 1958.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with the following National Ocean Survey Chart: No. 8553, 13th Edition, dated February 26, 1972, scaled 1:194,154.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

C. Blood

Cartographic Technician

November 28, 1973

Approved:

A. C. Rauck, Jr.

albut c. Rauch . A.

Chief, Coastal Mapping Section

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6013 (Cook Inlet)

T-12038

Bunitlana Lake

Cook Inlet

Kustatan Ridge

Kustatan River

Trading Bay

Approved by:

A. J. Wraight Chief Geographer

Prepared by:

Frank W. Pickett Cartographic Technician

INTRODUCTION

The field edit of the Alaskan project, OPR-469-RA-75, Trading Bay, Upper Cook Inlet, was started on June 10, 1975 (J.D. 161) and completed on July 24, 1975 (J.D. 205). The manuscripts had been compiled without field inspection prior to compilation, therefore a complete and thorough field edit was done in the areas that were investigated. Work was carried out on shore and water.

Field edit began at North Foreland and continued southwest to the western edge of Trading Bay. All deletions, additions and corrections to be applied to the manuscripts appear on the T-sheets. All questions on the field edit ozalids were answered on the T-sheets. The T-sheet is an index of all field edit work performed. All field edit notes on the T-sheets which are in violet ink, are verified. Those in red ink are changes. The smooth boatsheets are also master indexes of field work accomplished. All notes on the boatsheets that are in black ink are verified, those in red ink are changes, blue ink signifies features that were not verified. Most of the field edit for this survey was accomplished by hydrographic methods due to the poor quality of the photographs for this area.

Height data on all rocks were estimated; plus or minus one foot. Times were referenced to 0° Longitude.

ADEQUACY OF COMPILATION

The compilation of the manuscripts was adequate and complete.

Compilation of the MANL was excellent where it was possible to verify.

The MLLW line agreed extremely well with hydrography. There are a few minor discrepancies due to resent construction, these are noted in the Shoreline Summaries. All rocks and offshore features are labeled on the T-sheets.

POSITION CONTROL

In many areas of Cook Inlet, such as Granite Point, it is impossible to verify rocks which are on the manuscripts or newly descovered ones, due to the abundance of rocks, without D.P.'s on each rock. Therefore the field edit in this survey received permission (refer to Correspondence in the Separates following the text) and made use of the super-high frequency (SHF) Motorola Mini-Ranger III (range-range system) for position control on detached positions.

The system worked satisfactorily during the survey. Mini-Ranger stations were established on existing (BOULDER, 1909) or newly established triangulation stations of third order precision, (BRUCE, GRANITE, KING.) Stations BRUCE, GRANITE, and KING were traversed (closed) with T-2 Theodolites and with a CA-1000 Tellurometer. Refer to the Horizontal Control Report, OPR-469-RA-75, for specific procedures used in establishing these stations.

Daily calibration of the Mini-Ranger system was accomplished by using three-point sextant fixes or by static calibrations which were taken next to pilings 3, 4, and 5 (stations 123, 124, 125) at the North Foreland pier. Use of a signal strength indicator along with the daily calibrations, reaffirmed baseline calibration correctors, which were used as the correctors for the electronic hydro positioning tapes throughout the survey. Refer to the <u>Electronic Control</u>

<u>Report</u>, OPR-469-RA-75, for specifics on the Mini-Ranger III system.

The Mini-Ranger console, serial number 720, and Receiver/
Transmitter unit, s/n 727, connected to a 24 volt system were arranged
in a tin skiff (RAINIER skiff 2128), making it possible to take
D.P.'s next to the rocks.

Each D.P. contains a fix and a check fix by using Mini-Ranger rates, Mini-Ranger and sextant, or three point sextant fixes. Each D.P. was processed by using the PDP 8/e computor and complot system on board the RAINIER, (s/n 1015, DP-3 5445-7 respectfully.) Program AM 602 was used to produce master tapes and corrector tapes from information in the sounding volume, while RK 211, 212, 214 & 215 were used to plot the data on the boatsheets. Each D.P. was plotted twice, once using the fix information, and the check fix was used to confirm the position. A few descrepancies were found due to Mini-Ranger busts or misidentified signals. These were resolved by evaluating the intersection of the M/R rates, comparison of the positions to other rocks and conservative positioning. For printouts of all D.P.'s refer to the Separates following the text.

All final positions were plotted on a field edit boatsheet and then transferred to the master index T-sheet and smooth boatsheets.

The final positions on the RA-20-3B-75 boatsheet (field edit sheet), range from #28 thru #164. These correspond to positions #8028 to #8164 in the sounding volume. Only those D.P.'s which were not

į

duplicates of themselves nor duplicates of manuscript rocks, were kept and are listed in the Separates following the text.

SHORELINE SUMMARIES

T-12019

Field edit for OPR-469-RA-75 began at North Foreland, 61° 02' 58"N, 151° 09' 33"W. The area southwest of there was field edited and verified, everything northeast of this point was not.

The bluff at North Foreland has been cut away (61° 02' 54"N, 151° 09' 55"W to 61° 02' 43"N, 151° 10' 43"W) and this is now the site of the Tyonek Timber Company. A large company pier is being constructed as shown on the T-sheet. The shape and length of the piec was determined by positions obtained for the supporting pilings present at the time of the survey (#8007-9, 8016-18,8023-25, 8158-160.) This is the field editor's interpretation of how the pier will appear when finished. It is recommended that construction plans be obtained from the company office in Anchorage, Alaska. Six mooring bouys used with the construction, has also been plotted and it is recommended that these are not to be charted since they will probably be removed with the completion of the pier.

Due to the construction, North Foreland Light has been moved several times and it is still not permanently secured. A temporary position (61° 02' 51.616"N, 151° 09' 50.604"W) has been obtained by traverse methods, refer to the <u>Horizontal Control Report</u>, OFR-469-RA-75, for further information. However, it is recommended that the light he relocated when the construction is completed.

T-12018

The dirt road located at 61° 01' 13"N, 151° 19' 53"W, is used as an airstrip and should be charted as such. The other road at approximately 61° 02' 38"N, 151° 14' 20"W, is not an airstrip.

The possible submerged rock (#144 - boatsheet, #8144 - sounding volume), at 61° 00° 24"N, 151° 21° 13"W, should be charted as "sunken". Neither the depth data nor it's exact position was possible to ascertain, however there were many indications that such a hazardous rock did exist, i.e., turbulence (swirls, boils and standing waves.)

Rocks which do not contain any height and time data, were not found nor confirmed. It is possible that the rocks in the middle of Beshta Fay mud flat do exist. They were not apparent at high water, or near mid-tide, and the area was inaccessable at low water. These are only dangerous to small boats with only a foot or two of draft, but it is still recommended that they be charted to indicate that this area is foul with boulders.

T-12027

It should be noted that the settlement located at 61° 00° 50"N, 151° 24° 25"W, is known locally as Shirleyville.

The charted airstrip near the Nikolai Creek has been moved to the gravel road along the MHWL between 61° 00' 51° N, 151° 25' 54° W to 61° 00' 48° N, 151° 27' 27° W.

An oil tank farm of landmark value has been built at approximately 61° 01' 06"N, 151° 25' 11"W. The exact location was not obtained.

The MNWL has been verified northeast of 61° 00' 20"N, 151° 29' 33"W. Due to the inaccessability of the MNWL southwest of this point, caused by the extensive mud and sand flats, this area was not field edited nor were any measurements from a photo identifiable object to the MNWL taken. Field Edit Ozalid Note 2 was unable to be fullfilled. This area extends onto T-12026, T-12025 and ends on T-12038.

The foreshore area was field edited and no rocks or dangers to navigation were found.

T-12026

The shoreline on this ozalid was also not verified as that mentioned under T-12027. The foreshore area was investigated at low water, no rocks were found which could be a hazard.

There were no cabins nor buildings of any landmark value found.

T-12025

The MHWL on this T-sheet has not been field edited (note summary for T-12027.) The foreshore area is void of any hazardous rocks, investigation was completed at low water.

T-12038

The unverified MHWL continues until 60° 50' 14"N, 151° 47' 50"W. There were no rocks considered a hazard to navigation, in the foreshore area. Measurements to the MHWL were not taken.

The shoreline between 61° 50' 14"N, 151° 47' 50"W to 61° 48' 50"N, 151° 46' 45"W, was field edited. In the approximate vicinity of 61° 48' 50"N, 151° 46' 45"W, there have been new additions including an airfield, an oil tank farm, a stack and a microwave tower which are of landmark value. The exact positions of these were not obtained.

61° 48' 50"N, 151° 46' 45"W is the limit of the field edit for OPR-469-RA-75; anything south of here is unverified.

RECOMMENDATIONS

In the vicinity of East, West and North Foreland, there are thirteen oil platforms. It is recommended as an aid navigation that each individual platform's name be added to the chart, as an assistance to any vessels in the area and as an aid to navigation. (Refer to Oil Platforms in the Seperates following the text.)

It is also recommended that the stack and microwave tower on T-12038 be located as a nonfloating aid to navigation.

Throughout this survey, electronic control was used most of the time for field edit. It is recommended that this control be used in future projects for field edit needs. The electronic control made it easier to accurately plot all D.P.'s on hazards to navigation on all the rough-field boatsheets along with the smooth sheet. This method made it possible to process the acquisition of data with greater efficiency and speed, both in the field and office verification. In maintaining the guidelines set down (see Correspondence in the Seperates following the text)

electronic controlled field edit has proven valuable by increasing the speed and proficiency of data acquisition and processing. This will help to decrease the amount of time that its takes to produce a new chart after the survey has been completed.

Respectfully submitted,

Kathryn Andrew

Kathryn Andreen, Ltjg. NOAA

SUPPLEMENTAL INFORMATION

TO

FIELD EDIT REPORT

OPR-469-RA-75

UPPER COOK INLET, TRADING BAY

ALASKA

Introduction

After the submission of the Field Edit Report, OPR-469-RA-75, with the accompaning data, several questions rose concerning procedures and actual field work accomplished. With the help of this supplemental information, it is hoped that these questions will be answered.

T-12018

Field edit procedures for locating features throughout the project relied almost entirely on hydrographic methods, i.e. electronic control and visual signals. Many features, such as rocks, could not be located on the photographs. The rocks could not be distinquished from the water, since on the photos they are the same color.

The area from North Foreland to Granite Point was combed by the field editor in a small 16' tin skiff. A Mini-Ranger console was mounted to the skiff, and connected to a 24 volt battery system with the Receiver/Transmitter unit attached to a ten-foot mast.

The area was investigated for three days by the field editor.

—3 carched—

The shoreline and foreshore area were continuously for any hazard to

A navigation during all phases of the tidal range. Since Cook Inlet has several days of extreme high tides (over 30 feet) and low tides (about minus five feet), it was on these days that field edit was accomplished. A detached position, i.e. the location, for each hazard was obtained during this time. (Refer to Field Edit Report, OPR-469-RA-75)

At the end of each day, two master tapes were produced to plot by computer all information received that day. One tape contained the information for the fix while the second tape was the check fix postioning. Each of the tapes was then plotted using the complot system to compare the fix and the check fix positioning of each hazard.

Any disagreement was resolved by evaluating the intersection of the M/R rates, comparison of the postion to other D.P.'s and notes kept by the field editor on the approximate location of the tin skiff at the time of each D.P.

The position for each plotted D.P. was then compared to the class III manuscript. Any D.P. position which coincided with a rock on the manuscript was considered a verified position for that rock. The height and time data for these rocks were recorded on the Field Edit Ozalid (the cronoflex master index) in violet ink. To avoid duplication between verified manuscript features and the hydrographic detached positions, these rocks and height-time data were deleted from the master electronic tapes. However, all data was still contained in the raw data, field edit, sounding volume now at PMC.

All these deleted detached positions were referred to as "Reject-Manuscript Duplicate" in the D.P. Index. (Refer to the separates following the text in the Field Edit Report, OPR-469-RA-75).

After three days, the area between North Foreland and Branite

Point had been thoroughly investigated for hazards to navigation and

positions were obtained for all of these. The rocks on the manuscript

in green ink, which do do not contain height and time data, were thoroughly

search for but not found.

New rocks (i.e. rocks not shown on the class III manuscript before field edit) were transferred by the field editor to the Field Edit

Ozalid (the cronoflex master index) because this ozalid was a complete index of all field edit work accomplished. The cronoflex ozalid (T-sheet) is used for the Field Edit Ozalid to avoid undue duplication. It is necessary to locate a hazard on the cronoflex ozalid before it can be transferred to a boatsheet or to the paper "discrepancy Print,"

To cut down the duplication from the cronoflex ozalid, to the boatsheet to the "Discrepancy Print," this film ozalid contains all field work accomplished. All questions on the "Discrepancy Print" are answered on the cronoflex ozalid. It is the field editors recommendation that a film (cronoflex) ozalid be used instead of a paper ozalid for the "Discrepancy Print" to avoid any more confusion on this matter.

All data for rocks located by hydrographic methods (electronic.master tapes, daily calibrations, and raw data sounding volume) was sent to the Pacific Marine Center for verification.

T-12025, 12026, 12027, & 12038

Due to the inaccessability of the MHWL caused by extensive mud and sand flats throughout these T-sheets, it was not verified. It is the field editor's recommendation that the apparent shoreline taken from the photographs be accepted as the MHWL.

Incareas of new construction since the 1966 photographs, it is understood from CDR Simmons that revisional photography will be flown to locate features of landmark value.

T-12019, 12038

Field edit was only partial accomplished on these two T-sheets.

They represent the northern and southern boundaries for hydrography completed during the summer project. OPR-469-RA-75. Field edit on these sheets should be completed during the 1976 field season.

Respectfully submitted,

Kathum Andrus

Kathryn Andreen, Ltjg. NOAA

Forwarded

Charles K. Townsend, CDR., NOAA

T-12018

- 1. Verification of those rocks which were not verified by the field editor, or by the hydrographer subsequent to edit is required, i.e., all rocks which have not been inked in black on the boat sheet. Included are rocks located in the middle of Beshta Bay mud flats since the range of tide is approximately 14 feet.
- 2. Copies of photogrammetric manuscripts which include field edit information should be referred to as "Field Edit Sheets" rather than "T-sheets". On future jobs, photogrammetric compilation activities have been instructed to use the designation "Discrepancy Print" rather than "Field Edit Ozalid".
- 3. Nextrocks (i.e. rocks which were not shown on the Class III manuscript copies furnished for field use) located by the field editor should not have been transferred to the "T-sheet" (Field Edit Sheet) from the "smooth boat sheet", because the field records are included as a part of the hydrographic survey records. If these rocks are to be shown on the final photogrammetric map, they should be transferred from the verified hydrographic survey sheet to ensure that the two surveys reflect the same positions.
- 4. Data for computing the elevations of verified rocks (i.e., rocks shown on the Class III manuscript copies) should have been included in the hydrographic survey records so that the elevations could be computed along with the elevations of "new" rocks (the data for which was included in the hydrographic survey records). The computed elevations for "verified" rocks must be furnished to the photogrammetric compilation activity along with the field edit data changes in rock symbolization may be required.
- 5. Field edit report INTRODUCTION, heading. Red ink was used to show <u>additions</u> as well as corrections.

The statement "All field edit notes on the T-sheets (field edit sheets) which are in violet ink, are verified," is not clear.

Violet ink was used (1) to answer questions included on the field edit ozalids (discrepancy prints); and (2) to indicate verification of rock positions - where the information furnished by the field editor for computing rock elevations is shown in violet ink.

FIELD EDIT REPORT

Map T-12038

Kustatan River, Alaska

August 1976

Field edit of Map T-12038 from the pipeline located at lat. 60/49/04.702N, 160g. 151/46/48.196W south and west was done by ENS. Neal G. Millett during August 1976. All areas north and east of the pipeline were completed by the Ship RAINIER during project instructions OPR-469-RA-75. The FAIRWEATHER field edit was compiled on the paper field edit ozalid only. The RAINIERfield edit was compiled on the film field edit ozalid. The area between the apparent shoreline and the mean lower low water line from the pipeline to approximately lat. 60/47/19N long. 151/45/00W is characterized by gravel and isolated rocks and boulders. The Kustatan Richaracterized by tidal-flats that consist of fine mud and standing water puddles. These conditions cause the river not to be navigable at any stage of the tide and would not allow precise verification of the featureless apparent shoreline. Inspection was done from a small bout and on foot when fixes on land were required.

M(1170)

Field photographs and a copy of the field edit ozalid were examined in the field. The mean high water line for the northern areas of the map was verified by visual comparison of the beach area and the ozalid in the field. All detached positions were determined by visual three-point sectant fix with check angles utilizing the offshore platforms. Some deteched positions were rejected, either as swingers or for exceeding the accuracy requirements of 1mm at the scale of the survey. Positions 2.0-01a and 220-02a are approximate only because of the above mentioned accuracy requirements at the scale of the survey. Heights of rocks are noted in the field edit notebook volume 2 and on the ozalid. The mean lower low water line is not presented here but appears in the hodrographic records for surveys H-9620 and H-9621.

We photographs are referenced for Map T-12038. All times are based on •9 hours from Greenwich.

ADS PRACY OF COMPILATION

compilation of this map is generally good. Note is made of the following items:

fic Number 7.1-1th	Object Rock Bares 1ft.	Location 60/48/06.993N,151/45/34.446W
22 -11n	Rock Bares 3 ft.	60/48/10.652N,151/45/40.332W
726 - 01a 726 - 02a	.Pipeline Outlet `Stack P.A.	60/49/04.702N,151/46/48.196W 60/49/02.250N,151/47/20.588W

Bu

lig Nader

Olicet

Location

S.2064-03a

Microwave tower P.A.

60/49/00.1656N, 151/47/05.555

The stack and microwave tower ("ixes 226-02a and 226-03a) are found on the grounds of the "Marathon Trading Bay Production Facility"; this name should appear on chart 16660.

Field inspection of this map is complete.

PACO MEMBATIONS

It is recommended that the map be revised in accordance with the notes on the enally and in the field edit notebook, and that the map be accepted as an advance manuscript.

Respectfully submitted,

Neal G. Millett

ENS. NOAA

REVIEW REPORT T-12038

SHORELINE

GENERAL STATEMENT 61.

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

A comparison was made with the following contemporary Hydrographic Surveys:

H-9641, scale 1:20,000, dated January 1, 1978 H-9621, scale 1:20,000, dated June 1, 1978.

There were no major conflicts.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS chart: 16660, scale 1:194,154, 22nd edition, May 8, 1982 16662, scale 1:100,000, 1st edition, April 9, 1983.

The listed charts compared well with this manuscript.

A Final Chart Maintenance Print was prepared and forwarded to Marine Charts.

ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with the Project Instructions, and meets the requirements for National Standards of Map Accuracy.

> James L. Byrd, Jr. Final Reviewer

Approved for forwarding

Chief, Photogrammetric Section

Approved

Chief, Photogrammetry Production Sec. Chief, Photogrammetry Branch

NOAA FORM 76-40			X	TIONAL OCE	U.SANIC AND	S. DEPARTM	ENT OF COMMERCE	ORIGINATING ACTIVITY	CTIVITY
Replaces C&GS Form 567.	m 567.	MONETORING ALDS OR LANDWARKS FOR CHARTS	DMARKS	FOR CH	ARTS			HYDROGRAPHIC PARTY GEODETIC PARTY GEOTOFIS PARTY	Y X X
CHANGE CHANGE	REPORTING	STATE		LOCALITY			DATE	COMPLIATION ACTIVITY	× ± 1×1
TO BE REVISED	sep (Pield Party, Ship or Office)	Unit		Cook	Cook Inlet, Kalqin	lqin		XX FINAL REVIEWER	
TO BE DELETED		A Alaska		Island	Island to Anchorage	orage	Jul. 1986	QUALITY CONTROL & REVIEW GRP.	A REVIEW GRP.
The following objects	erts H	been inspected from seaward to determine their value as landmarks.	ward to de	stermine the	ir value as	landmarks.		(See reverse for responsible personnel)	ible personnel)
OPR PROJECT NO.	ž 807		DATUM	N.A. 1927	2.7		METHOD AND DATE OF LOCATION	E OF LOCATION	
469	PH-6013	T-12038	 	POSITION	NOI		(See Instructions on reverse side)	on reverse side)	CHARTS
	DESCRIPTION	NC	LATI	LATITUDE	TONGITUDE	rude			AFFECTED
CHARTING	(Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	rk or aid to navigation. re applicable, in parentheses)	, ,	// D.M.Meters	/ •	D.P. Meters	OFFICE	FIELD	
STACK	Marathon Trading Bay production facility		60 49	02.25	151.47	20.59		F-4-8-L 8-13-76	16662 16660
1				00.17		05.56		F-4-8-L	16662
TOWER	Marathon Trading Bay production facility		60 49		151 47			8-13-76	16660
								ŀ	
									!
						-			
								:	
			j i						
				-					
	,								
							i i		
	· · · · · · · · · · · · · · · · · · ·	·							

.

V = Veritied 1 - Triangulation 5 - Field identity 2 - Traverse 6 - Theodol 3 - Intersection 7 - Planetal 4 - Resection 8 - Sextant A. Field positions* require entity location and date of field we example: F-2-6-L EXAMPLE: F-2-6-L 8-12-75 *FIELD POSITIONS are determined by displaying the product of the	DETERMI plicable	OFFICE 1. OFFICE IDENTIFIED AND LOCATED OBJECTS 1. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the bject. EXAMPLE: 75E(C)6042 8-12-75		FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	COLLICAS DE EXAMINED AND/OR VERSE LES	מסי מסי מחשמים של מושמים ש	OBJECTS INSPECTED FROM SEAWARD		TYPE OF ACTION	
ation 5 - Field identified 6 - Theodolite tion 7 - Planetable n 8 - Sextant itions* require entry of method of and date of field work. F-2-6-L 8-12-75 are determined by field obser- ntirely upon ground survey methods.	NED OR VERIFIED data by symbols as follows: P - Photogrammetric Vis - Visually	ATED OBJECTS: (including month, tograph used to bject.	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE O (Consult Photogrammetric Instructions No. 64,	C. Blood	F. Margiotta	N. Millett	R. Alderman, CAPT		NAME	RESPONSIBLE
##PHOTOGRAMMETRIC FIELD POSITED with the continuity or in part, upon by photogrammetric methods.	T S P A T	Ä → "5	OR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.			7			E	PERSONNEL
VERIFIED VISUALLY ON PHOTOGRAPH *Vis.' and date. V-Vis. 8-12-75 TRIC FIELD POSITIONS are dependent r in part, upon control established mmetric methods.	ON STATION RECOVERED mark or aid which is also a tri-station is recovered, enter 'Triang. date of recovery.	<pre>immetric field positions** require immethod of location or verification, field work and number of the photo- ied to locate or identify the object. P-8-V 8-12-75 74L(C)2982</pre>		REPRESENTATIVE	OFFICE ACTIVITY REPRESENTATIVE	FIELD ACTIVITY REPRESENTATIVE	GEODETIC PARTY OTHER (Specify)	TXX-YORDGRADHIC PARTY	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.

分 U.S.GPO:1975-0-665-080/1155

PORM C&U2-8324 (3-25-93)

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 teasons for deviations, if any from recommendations made under "Commendations made under "Commenda

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.
		<u>, </u>	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.
	<u></u>		Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			
二			
			
			ري المراقع الم

