NOAA FORM 76-35 (3-76)

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

DESCRIPTIVE REPORT

Map No.	Edition No.
TP-00634	1st
Job No.	
CM-7210	
Map Classification	
FINAL, FIELD EDITED	MAP
Type of Survey	·
SHORELINE	
LOCALITY	r
State	
Alaska	
General Locality	
Hinchinbrook Island	!
Locality	
Shelter Bay	
	
1972 TO 19	777
REGISTRY IN AR	CHIVES
DATE	

*U. S. GOVERNMENT PRINTING OFFICE:1976-669-248

NOAA FORM 76-36A U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY	SURVEY TF-00634
	X ORIGINAL	MAP EDITION NO. (1)
DESCRIPTIVE REPORT - DATA RECORD	RESURVEY	MAP CLASSFINAL MAP
	☐ RĒVISĒD	СМ- Job Р.4 -7210
PHOTOGRAMMETRIC OFFICE		
Coastal Mapping Division		NG MAP EDITION
AMC, Norfolk, Virginia	TYPE OF SURVEY	JOB PH-
OFFICER-IN-CHARGE	D RESURVEY	SURVEY DATES:
T 00	REVISED	19TO 19
Jeffrey G. Carlen, CDR/R. K. Matsushige, CI	K '	
I. INSTRUCTIONS DATED	1	EIELD
1. OFFICE	4.	FIELD
Aerotriangulation Aug. 18, 1972	Horizontal Contro (Premarking)	l April 17, 1972
Compilation Oct. 30, 1972		
Field Edit Cancellation Aug. 19, 1980		
II. DATUMS	·	
1. HORIZONTAL: 1927 NORTH AMERICAN	OTHER (Specify)	
a nonzonne.	OTHER (Specify)	
MEAN HIGH-WATER MEAN LOW-WATER 2. VERTICAL: MEAN LOWER LOW-WATER	OTHER (Specify)	
MEAN SEA LEVEL		
3. MAP PROJECTION	4.	RID(S)
Polyconic	state Alaska	ZONE
5. SCALE	STATE	ZONE
1:20,000		<u> </u>
III. HISTORY OF OFFICE OPERATIONS		·····
OPERATIONS	NAME NAME	DATE
1. AEROTRIANGULATION BY AMETHOD: Amelitic Landmarks and aids by	R. Kelly	0 c.ÿ. 1972
- METHOD: Analytic LANDMARKS AND AIDS BY 2. CONTROL AND BRIDGE POINTS PLOTTED BY	D. Phillips	
		. look 1070
METHOD: Coredonat CHECKED BY		0ct. 1972
Coradonat		UCT. 19/2
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY	L. Neterer Jr.	Dec. 1972
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY		UCT. 19/2
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY	L. Neterer Jr. R. White	Dec. 1972
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 CONTOURS BY	L. Neterer Jr. R. White None None S. Kumer	Dec. 1972 Dec. 1972 Jan. 1973
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY CHECKED BY INSTRUMENT: WILD B-8 CONTOURS BY SCALE: 1:30.000 CHECKED BY 4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY	L. Neterer Jr. R. White None None S. Kumer L. Neterer Jr.	Dec. 1972 Dec. 1972
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 CONTOURS BY SCALE: 1:30.000 CHECKED BY 4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Smooth Draft	L. Neterer Jr. R. White None None S. Kumer L. Neterer Jr. None	Dec. 1972 Dec. 1972 Jan. 1973
3. STEREOSCOPIC INSTRUMENT CHECKED BY COMPILATION CHECKED BY SCALE: 1:30,000 CHECKED BY 4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Smooth Draft CHECKED BY	L. Neterer Jr. R. White None None S. Kumer L. Neterer Jr. None None	Dec. 1972 Dec. 1972 Jan. 1973 Jan. 1973
3. STEREOSCOPIC INSTRUMENT COMPILATION CHECKED BY INSTRUMENT: Wild B-8 CONTOURS BY SCALE: 1:30.000 CHECKED BY 4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY CONTOURS BY CONTOURS BY CHECKED BY CHECKED BY CHECKED BY CHECKED BY CHECKED BY CHECKED BY	L. Neterer Jr. R. White None None S. Kumer L. Neterer Jr. None None S. Kumer	Dec. 1972 Dec. 1972 Jan. 1973 Jan. 1973 Jan. 1973
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: WILD B-8 SCALE: 1:30.000 CHECKED BY 4. MANUSCRIPT DELINEATION METHOD: SMOoth Draft CHECKED BY CHECKED BY CHECKED BY CHECKED BY	L. Neterer Jr. R. White None None S. Kumer L. Neterer Jr. None None S. Kumer L. Neterer Jr.	Jan. 1973 Jan. 1973 Jan. 1973 Jan. 1973 Jan. 1973 Jan. 1973
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:30.000 CHECKED BY 4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY CONTOURS BY CONTOURS BY CONTOURS BY CHECKED BY CONTOURS BY CHECKED BY SCALE: 1:20,000 CHECKED BY CHECKED BY CHECKED BY CHECKED BY CHECKED BY SCALE: 1:20,000 CHECKED BY BY	L. Neterer Jr. R. White None None S. Kumer L. Neterer Jr. None None S. Kumer L. Neterer Jr. L. Neterer Jr. L. Neterer Jr.	Jan. 1973
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: WILD B-8 SCALE: 1:30.000 4. MANUSCRIPT DELINEATION METHOD: Smooth Draft SCALE: 1:20,000 CHECKED BY CONTOURS BY CHECKED BY CHECKED BY CHECKED BY CHECKED BY CHECKED BY CHECKED BY CHECKED BY SCALE: 1:20,000 CHECKED BY CHECKED BY	L. Neterer Jr. R. White None None S. Kumer L. Neterer Jr. None None S. Kumer L. Neterer Jr.	Jan. 1973 Jan. 1973 Jan. 1973 Jan. 1973 Jan. 1973 Jan. 1973
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: WILD B-8 SCALE: 1:30.000 CHECKED BY 4. MANUSCRIPT DELINEATION METHOD: SMOoth Draft CHECKED BY CONTOURS BY CHECKED BY CHECKED BY CHECKED BY CHECKED BY CHECKED BY CHECKED BY CHECKED BY CHECKED BY CHECKED BY CHECKED BY CHECKED BY SCALE: 1:20,000 CHECKED BY SCALE: 1:20,000 STATEMENT OF FIELD EDIT BY 6. APPLICATION OF FIELD EDIT DATA	L. Neterer Jr. R. White None None S. Kumer L. Neterer Jr. None None S. Kumer L. Neterer Jr. L. Neterer Jr. J. R. Minton J. Massey J. Massey	Jan. 1973 March 1978 March 1978 March 1978
3. STEREOSCOPIC INSTRUMENT COMPILATION CHECKED BY INSTRUMENT: WILD B-8 CONTOURS BY SCALE: 1:30,000 CHECKED BY 4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY CONTOURS BY CHECKED BY SCALE: 1:20,000 CHECKED BY CONTOURS BY CHECKED BY SCALE: 1:20,000 CHECKED BY CHECKED BY 6. APPLICATION OF FIELD EDIT BY 7. COMPILATION SECTION REVIEW BY 8. FINAL REVIEW BY	L. Neterer Jr. R. White None None S. Kumer L. Neterer Jr. None None S. Kumer L. Neterer Jr. L. Neterer Jr. J. R. Minton J. Massey J. Massey J. Hancock	Jan. 1973 March 1978 March 1978 March 1978 June 1981
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: WILD B-8 SCALE: 1:30,000 4. MANUSCRIPT DELINEATION METHOD: SMOOTH Draft SCALE: 1:20,000 5. OFFICE INSPECTION PRIOR TO FIELD EDIT APPLICATION OF FIELD EDIT DATA CHECKED BY 7. COMPILATION SECTION REVIEW BY 8. FINAL REVIEW BY 9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH CHECKED BY BY BY 9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY CHECKED BY BY BY 9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY	L. Neterer Jr. R. White None None S. Kumer L. Neterer Jr. None None S. Kumer L. Neterer Jr. L. Neterer Jr. J. R. Minton J. Massey J. Massey J. Hancock J. Hancock	Jan. 1973 March 1978 March 1978 March 1978 March 1978 June 1981 July 1981
3. STEREOSCOPIC INSTRUMENT COMPILATION CHECKED BY INSTRUMENT: WILD B-8 CONTOURS BY SCALE: 1:30,000 CHECKED BY 4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY CONTOURS BY CHECKED BY SCALE: 1:20,000 CHECKED BY CONTOURS BY CHECKED BY SCALE: 1:20,000 CHECKED BY CHECKED BY 6. APPLICATION OF FIELD EDIT BY 7. COMPILATION SECTION REVIEW BY 8. FINAL REVIEW BY	L. Neterer Jr. R. White None None S. Kumer L. Neterer Jr. None None S. Kumer L. Neterer Jr. L. Neterer Jr. J. R. Minton J. Massey J. Massey J. Hancock	Jan. 1973 March 1978 March 1978 March 1978 June 1981

Compilation was by office interpretation of aerotriangulation photographs.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USE	SURVEY NUMBER	DATE(S)	SURVEY COPY USED
н-9424	1974	Verified	H-9713	1977	Verified
н-9425	1974	smooth sheet			smooth sheet
5. FINAL JUNCTION	IS				
NORTH		EAST TP-ØØ633	SOUTH	Ţ	west PH-6110
No survey		TP-00635	TP-ØØ636		<u>т-12663</u>
DEMARKS		1,1			

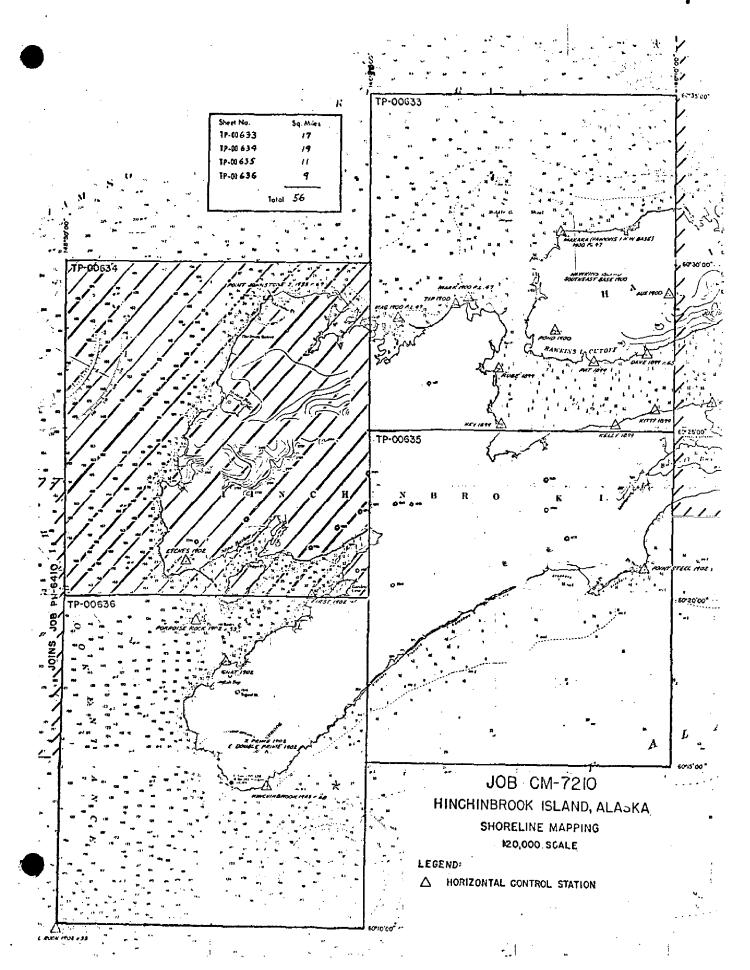
TP-ØØ634		HISTORY OF FIELD	OPERATIONS		
XX FIELD INSE	EXMON OPERATION	FIEL	D EDIT OPERATION	ı	
	OPERATION			NAME	DATE
CHIEF OF FIEL	D PARTY		R. Melby		June 1972
		RECOVERED BY	R. Melby		June 1972
HORIZONTAL C	ONTROL	ESTABLISHED BY	R. Melby		June 1972
		ARKED OR IDENTIFIED BY	L. Riggers		June 1972
		RECOVERED BY	None		
VERTICAL CON	TROL	ESTABLISHED BY	None		
	PRE-M	RKED OR IDENTIFIED BY	None		
	RECOVERED	(Triangulation Stations) BY	None		
LANDMARKS AN	ID Lo	CATED (Field Methods) BY	None		
AIDS TO NAVIG	ATION	IDENTIFIED BY	None		
	ТҮР	E OF INVESTIGATION			
GEOGRAPHIC N	AME3	COMPLETE BY			
INVESTIGATION	' <u> </u>	SPECIFIC NAMES ONLY			
	(30)	NO INVESTIGATION	<u> </u>		
PHOTO INSPEC	TION CLARI	FICATION OF DETAILS BY	None		
BOUNDARIES A	ND LIMITS SUR	EYED OR IDENTIFIED BY	None		<u> </u>
SOURCE DATA			A VERTICAL CAL	TDAL IDENTIFIED	
	ONTROL IDENTIFIED		2. VERTICAL COI	NTROL IDENTIFIED	
Pre-Marl	<u>ced</u>		<u> </u>	r	
OTO NUMBER	STAT	ON NAME	PHOTO NUMBER	STATION DESI	GNATION
2M-1254	Anders, 1972		ļ		
OM 1000	G: 1067				
2M-1256	Sisters, 1965		į	· ·	
		,			
			1		
			i		
PHOTO NUMBE	RS (Clarification of detail	a)	<u>.l.,</u>		
No	ne				
LANDMARKS A	ID AIDS TO NAVIGATIO	IDENTIFIED			
No	ne				
IOTO NUMBER	OBJE	CT NAME	PHOTO NUMBER	08JECT N	NAME
į	•				
İ					•
	V	п			
·	4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				
GEOGRAPHIC N	AMES, There	T (V) NONE	4 BOUNDARY	DIMITS:	- TT
	AMES: REPOR	T X NONE	6. BOUNDARY AN	D LIMITS: REPOR	T X NONE
Non			•		
101.	ıo			••	
OTHER FIELD	RECORDS (Sketch books,	etc. DO NOT list data subm.	itted to the Geodesy D	ivision)	
	rms C&GS 152		·	-	-

NOAA FORM 76-36C (3-72)	NATIONAL OCEA	INIC AND ATMOSPHERIC	NT OF COMMERCE ADMINISTRATION AL OCEAN SURVEY			
TP-0063L HISTORY OF FIELD	OPERATIONS					
I. FIELD INSPECTION OPERATION X FIELD EDIT OPERATION July 1974 Partial Edit						
OPERATION	NAME D		DATE			
1. CHIEF OF FIELD PARTY	W 133i	_	F-7 1091			
RECOVERED BY	M. Fleming None		July 1974			
2. HORIZONTAL CONTROL ESTABLISHED BY	M. Fleming	•	July 1974			
PRE-MARKED OR IDENTIFIED BY	None		- 			
RECOVERED BY	None		Ì			
3. VERTICAL CONTROL ESTABLISHED BY	None					
PRE-MARKED OR IDENTIFIED BY	None					
RECOVERED (Triengulation Stations) BY	Non@					
4. LANDMARKS AND LOCATED (Field Methods) BY	J. Oswald		Oct. 1974			
AIDS TO NAVIGATION IDENTIFIED BY	None					
TYPE OF INVESTIGATION	1					
5. GEOGRAPHIC NAMES COMPLETE BY INVESTIGATION	i					
X NO INVESTIGATION						
6. PHOTO INSPECTION CLARIFICATION OF DETAILS BY		<u> </u>				
7. BOUNDARIES AND LIMITS SURVEYED OR IDENTIFIED BY	1					
II. SOURCE DATA 1. HORIZONTAL CONTROL IDENTIFIED	2. VERTICAL COL	NTROL IDENTIFIED				
None	None					
PHOTO NUMBER STATION NAME	PHOTO NUMBER	STATION DES	IGNATION			
		·				
3. PHOTO NUMBERS (Clarification of details)						
72E(C) 4391, 4393, 4397, 4438, and 4442 m	atte ratio pr	ints				
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED		<u>-</u>				
None						
PHOTO NUMBER OBJECT NAME	PHOTO NUMBER	OBJECT	NAME			
	1	•				
GEOGRAPHIC NAMES: REPORT X NONE	6. BOUNDARY AN	D LIMITS: REPOR	T TONE			
7. SUPPLEMENTAL MAPS AND PLANS	J. DOGGDARI AN	- Limito. LIKEPOH	. WINDHE			
None						
. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submi	tted to the Geodesy D	(vision)	····			
One - Field Edit Report, containing origina			ract			
of positions						
One - Field Edit Ozalid						
One - Film position sheet						

(2-70)		HISTORY OF FIELD		L SCIENCE SERVIC COAST AND	MENT OF COMMERCE ES ADMINISTRATION GEODETIC SURVEY
I. TI FIELD INSPEC	TION OPĘ		D EDIT OPERATION		Edit
	O P	ERATION	NAME		DATE
1. CHIEF OF FIELD	PARTY		B.I. Williams		Sept 1977
		RECOVERED BY	+		, <u>Sept 1377</u>
2. HORIZONTAL CON	ITROL	ESTABLISHED BY	None		
		PRE-MARKED OR IDENTIFIED BY	None		
· · · · · · · · · · · · · · · · · · ·		RECOVERED BY	None		
3. VERTICAL CONTE	ROL	ESTABLIŞHED BY	None		
		PRE-MARKED OR IDENTIFIED BY	None		
	R	ECOVERED (Triangulation Stations) BY	None		
4. LANDMARKS AND AIDS TO NAVIGAT	ION	LOCATED (Field Methods) BY	None		
		TYPE OF INVESTIGATION	None		
E CEOCRADUIC NAA	c	COMPLETE	1		1
5. GEOGRAPHIC NAM INVESTIGATION	NE3	SPECIFIC NAMES ONLY			
		X NO INVESTIGATION			
6. PHOTO INSPECTI		CLARIFICATION OF DETAILS BY	R. Crowell	*	Sept. 1977
7. BOUNDARIES AND		SURVEYED OR IDENTIFIED BY	None		
II. SOURCE DATA					
1. HORIZONTAL COM	ITROL IDE	ENTIFIED	2. VERTICAL CONTI	ROL IDENTIFIED	
PHOTO NUMBER	•	5 T A TION. NAME	PHOTO NUMBER	STATION DE	SIGNATION
3. PHOTO NUMBERS	(Clarificat	ion of details)			
72E(C) 4427,	4428 с	ronopaque ratio			
		IAVIGATION IDENTIFIED			
Navo					
None					
PHOTO NUMBER		OBJECT NAME	PHOTO NUMBER	COBLECT	NAME
5. GEOGRAPHIC NAM	IES:	REPORT X NONE	6. BOUNDARY AND I	LIMITS: REPO	ORT NONE
7. SUPPLEMENTAL I	MAPS AND	PLANS			
None					
•		etch books, etc. DO NOT list data submi	tted to the Geodesy Divid	sion)	
one field edi					
one field edi	t ozal				
one fix volum	<u>e</u>				5COMM-DC 46200-P70

NOAA FOR (3-72)	NOAA FORM 76-36D U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION						
	V 01	RECO	RD OF SURVE	Y USE			
TP-ØØ	CRIPT COPIES						
1. MANOS		MPILATION STAGE	<u> </u>		Ī	DATE MANUSCRI	PT FORWARDED
	DATA COMPILED	DATE	Γ	MARKS		MARINE CHARTS	
	ation complete	Jan 1973	h		ipt	Feb 12. 1973	
Pendin	g field edit.				•		,,,,,,
Field	edit data applied,	Mar.1978	Class 1	manuscr	ipt	June 14,1978	None
Compil:	ation complete						
Final	Review	June, 1981	Final Map			Feb. 1982	
	IARKS AND AIDS TO NAVIGA		BATA BRANCU		_		
I. KEP	ORTS TO MARINE CHART DI		DATABRANCH				·
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED			REM	ARK5	
1		June 14,1978	Form 76-40) for 1]	landma	rk to be cha	rted.
1		June 14,1978	Form 76-40	for 2 r	nonflo	ating aids t	o be charted
2.	REPORT TO MARINE CHART	DIVISION, COAST	PILOT BRANCH,	DATE FOR	WARDED:	July 1981	
3.	3. REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED:						
III. FEDEI	RAL RECORDS CENTER DAT	Ά					
	BRIDGING PHOTOGRAPHS	C DUDU (CATE	DDIBONG DEN	.n. (V3.c.	OUGUEE	S SEASOUTS	
	BRIDGING PHOTOGRAPHS; CONTROL STATION IDENTI					FIELD PARTIES.	
	SOURCE DATA (except for G	eographic Names Re					
	ACCOUNT FOR EXCEPTION	S:					i
4.	DATA TO FEDERAL RECOR	IDS CENTER. DAT	E FORWARDED:	FEB 2	26, 198	32	_
IV. SURVE	EY EDITIONS (This section s	hail be completed ea	ch time a new ma	p edition is re	egistered,		
	SURVEY NUMBER	JOB NUMBEI	₹		RE	TYPE OF SURVEY	URVEY
SECOND	DATE OF PHOTOGRAPH		E) O FOIT		- ×e	MAP CLASS	URVEY
EDITION	Jan L Of Frid Odda	JANEOF FI] □.n.	□ m.	MAP CLASS □IV. □V.	FINAL
	SURVEY NUMBER	ЈОВ МИМВЕР	₹	-	_	TYPE OF SURVEY	
THIRD	ТР	(3) PH			REV		URVEY
EDITION	DATE OF PHOTOGRAPH	IY DATEOFFI	ELD EDIT		□ µi.	MAP CLASS □iv. □v.	FINAL
	SURVEY NUMBER	JOB NUMBER	3		_	YPE OF SURVEY	
FOURTH	TP	(4) PH	ELD ED!#		REV)RVĖY
EDITION	DATE OF PROTOGRAPH	DATE OF FL	ELU EDIT	 □	□ ur.	MAP CLASS ∏ìV. □V.	□ FINAL

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SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORTS

TP-00634

This 1:20,000 shoreline manuscript is one of four maps, TP-00633 thm: TP-00636, that comprise project CM-7210, Hinchinbrook Island, Alaska. Excluding the Boswell Bay area, the project limits incorporate all of Hinchinbrook Island and the western portion of Hawkins Island. This project junctions with the 1977 registered shoreline project PH-6409.

Via correspondence letter dated August 19, 1980, instructions from the Chief, Photogrammetric Division call for the cancellation of future field edit and requested registration for the project. Registration for TP-00633, TP-00635 and TP-00636 will be Final Class III Maps as only partial field edit has been accomplished. Map TP-00634 was completely field edited and will be registered as a Final Map.

The purpose of this project was to provide contemporary shoreline data in the support of hydrographic operations and to furnish data for nautical chart revision.

Contemporary hydrographic surveys were performed by NOAA ships DAVIDSON in 1974 and FAIRWEATHER in 1977. Copies of verified smooth-sheets H-9424 and H-9425 at 1:20,000 scale, 1974 and H-9713 at 1:10,000 scale, 1977 were compared with this map during final review. Two discrepancies concerning H-9425 are discussed in the Review Report item #64.

Field work prior to compilation was accomplished in April 1972; this involved the establishment of horizontal control by premarking methods in order to meet aerotriangulation requirements.

Photo coverage was provided in July 1972 for aerotriangulation and compilation using panchromatic film with the "M" camera at 1:60,000scale. Hydro support photography was taken using natural color film with the "E" camera at 1:40,000 scale.

Analytic aerotriangulation was adequately provided by the Washington Science Center in October 1972.

Compilation was performed at the Atlantic Marine Center in Jan. 1973. Copies of the Class III manuscript were immediately forwarded to the Pacific Marine Center for the hydrographic survey scheduled in Prince William Sound. This hydro project progressed, as initially proposed, for several field seasons.

Field edit operations were accomplished by NOAA ship personnel in conjunction with the 1974 and 1977 contemporary hydrographic surveys.

Field Inspection TP-00634

Field inseption was limited to idenification of horizontal control.

PHOTOGRAMMETRIC PLOT REPORT

n ; Job CM-7210

Hitchenbrook Island, Alaska

October 1972

21. Area Covered

This report covers TP sheets, TP-00633 thru TP-00636 of Hitchenbrook Island, Alaska, at 1:20,000 scale.

22. Method

Three strips of 1:60,000 scale photography were bridged by analytic aerotriangulation methods to provide horizontal control and ratio points for 1:40,000 scale photography. The attached sketch of the strips bridged shows the placement of triangulation used in the strip adjustments. A list of closures to control is part of this report. Positions of all pass points, control stations, and ratio prints have been plotted on the manuscripts by the Coradi, on the Alaska Zone 3 plane coordinate system.

23. Adequacy of Control

The horizontal control provided was adequate and held well within the accuracy required by National Standards of Map Accuracy at 1:20,000 scale. Tie points were used to augment datum ties between strips 1, 2, and 3.

24. Supplemental Data

USGS quadrangles were used to provide elevations for vertical adjustment of bridges.

25. Photography

RC-9 photography was adequate as to coverage and overlap, but not definition. Strip 1 adjustment showed control station PORPOISE ROCK 1902 substitute station with #11.0 ft. error in the Y direction, and control station HORN 1972 with -9.2 ft. error in the X direction. The reason for these closures is poor imagery.

Respectively submitted:

Robert B. Kelly

Cartographic Technician

Approved and Forwarded;

John D. Perrow, Jr.

Chief, Aerotriangulation Section

FEERNI

CONTROL USED IN ADJUSTMENT

() CLOSURES OF BRIDGE TO CONTROL SHOWN

IN PARENTHESIS

CONTROL USED AS CHECKS.

STRIP # 1

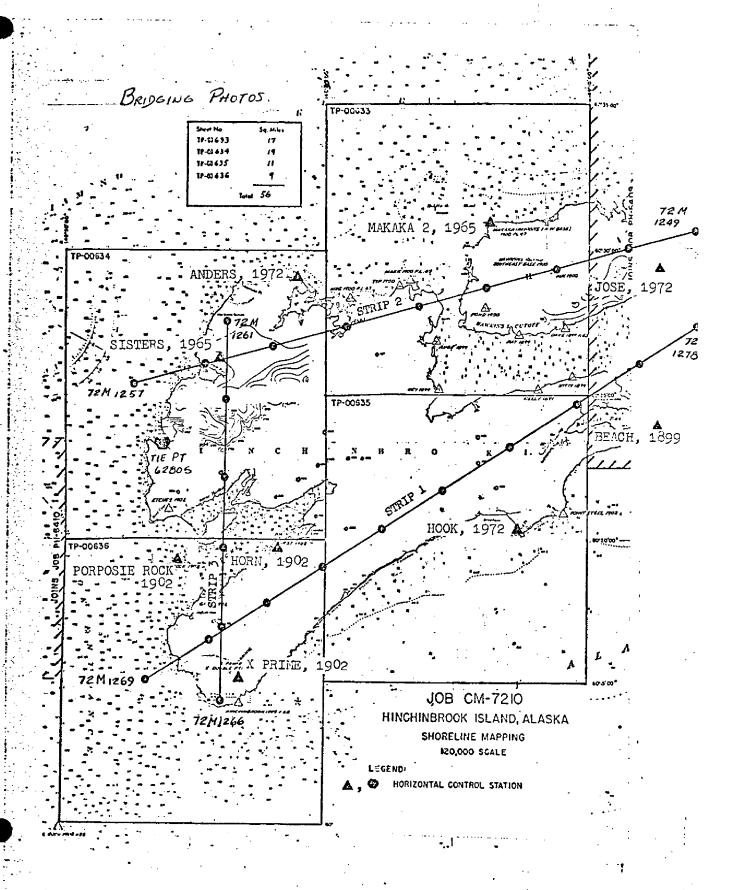
A	X PRIME, 1902	(0.0,0.0)
Δ	PORPOISE ROCK, 1902 SUB. STA.	(-2.8, 11.0)
Δ	HORN, 1972	(-9.2, 1.7)
A	HOOK, 1972	(0.0,0.0)
Δ	BEACH , 1899	(3.3,-0.7)
A	Jase, 1972	(0.0,0.0)

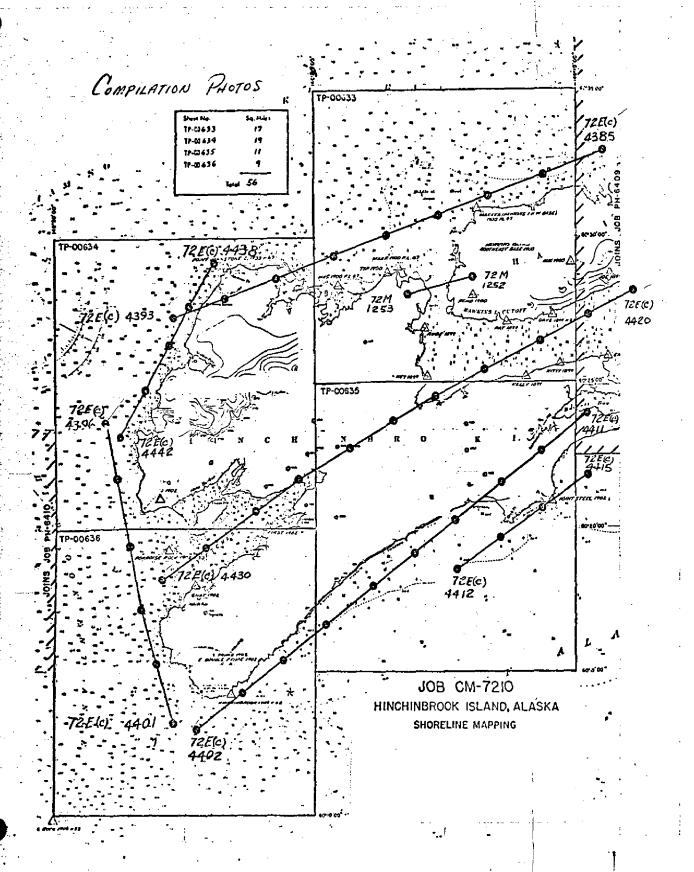
STRIP # 2

A	JOSE, 1972	(0.5, 0.4)
A	MAKAKAZ, 1965 SUB. STA.	(-1.5, 0.0)
A	ANDERS, 1972	(1.2,0.9)
Δ	SISTERS, 1965	(z.l , 3.9)
()	TIE POINT 62805	(-0.1, -0.5)

St 43

A	Sisters, 1965	(0.0,0.0)
Δ	^	(-4.2,-3.5)
A	HURN, 1972	(0.0, 0.0)
	X PRIME, 190Z	(0.0,00)





MAP NO.	JOB NO.	DESCRIPTIV	CRIPTIVE REPORT CONTROL RECORD	- 1	2.17	DESCRIPTING ACTIVITY
			**************************************	Photogrammetric Branch	etric Bran	ch
TP-00634	CIM-721Ø		N.A. 1927	PMC Seattle	e. Washington	ton
STATION NAME	SOURCE OF	AEROTRI- ANGULATION	STATE	GEOGRAPHIC POSITION		Departnres
		NUMBER	ZONE	λιοναιτυρε	Front	(Back)
Sisters, 1965	G.P. G-11,841		-χ	\$ 60°26'27.628"	855.1	(1001.9)
	unadjusted	. 172.	y=	λ 146° 37' 53.155"	813.0	(104.6)
Anders, 1972,	G.P. G-14841	-	χ=	Φ 6π°2815μ.119"	1675.∅	(182.Ø)
	unadjusted		y=	λ 146° 32' Ø7.111"	108.6	(807.8)
First, 1902 /	G.P. Vol.VI	ŧ.	χ=	φ 6σ° 2σ' σ½, 1σσ"	126.9	(1730.1)
	- 1		<i>y</i> =	1 146° 33' 39.620"	6,0709	(, 312, 8).
Etches, 1902	G.P. Vol.VI	2	=X	φ 60°21' Ø3. Øl.μ"	94.2	(1762.8)
	Pg. 313		y=	λ 146°41'58.596"	898.7	(21.5)
Point Johnstone 2,		z	χæ	\$ 60°28'59.51"	1841.9	(15.1)
1933	Pg. 321		<i>ή=</i>	λ 146°36'43.45"	663.7	(252.7)
			χ=	ф	i :	
			y=	٧		
			χ=	ф		
	,		y=	γ		
			<i>-</i> ×	φ		
			<i>y=</i>	γ.	-	
			χ=,	6		
			y≠	γ		
			-χ	ф		
		,	β=			
av A.C. Bauck	Jx_{\bullet}	DATE 16/31/72	COMPUTATION CHECKED BY R.	White	DATE 11/	11/08/72
		DATE Ø3/78			l 9	78
HAND PLOTTING BY T Minto		DATE A7/70	DATE HAND PLOTTING CHECKED BY		DATE 20 /20	
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Compilation Report

TP - 00634

31 - DELINEATION

Delineation was by the Wild B-8 Stereoplotter, using 1:60,000 scale photography. Common points were selected and transferred to the 1:40,000 scale 1972 color photographs used for hydro support.

32- CONTROL

See photogrammetric Plot Report, dated; October 1972 Horizontal control was adequate.

33- SUPPLEMENTAL DATA

None

34- CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage was delineated from office interpretation of the photographs.

35- SHORELINE AND ALONGSHORE DETAILS

The mean high water line and alongshore details were delineated from office interpretation of the photographs.

36- OFFSHORE DETAILS

Offshore details were compiled from office interpretation of the 1972 photographs.

37- LANDMARKS AND AIDS

Preliminary Forms 76-40 for Landmarks and/or Aids were prepared by the Compilation Office and forwarded to the Field Editor and/or Hydrographer for verification, location, or deletion on Feb. 7, 1973.

38- CONTROL FOR FUTURE SURVEYS

None

39- JUNCTIONS

See form 76-36b, item #5, of the descriptive report.

40- HORIZONTAL AND VERTICAL ACCURACY

No statement

46- COMPARISON WITH EXISTING MAPS

A comparison has been made with the following U.S. Geological Survey quadrangles: Cordova (B-7), Alaska, dated 1950, scale 1:63,360 and Cordova (B-8), Alaska, dated 1951, scale 1:63,360.

47- COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey chart: #8520, 14th Edition, October 25, 1969, scale 1:80,000.

Items to be applied to Nautical Charts immediately

None

Items to be carried forward

None

Approved by

Albert C. Ranck Jr.

Chief of Coastal Mapping Section

Submitted-by:

Susan Kumezr

cartographer

January 8, 1973

TP-00634

Field edit was applied in March 1978 by the Photogrammetric Branch at the Pacific Marine Center.

Final review was performed at the Atlantic Marine Center in June 1981. During this review, questionable horizontal control in the immediate vicinity of Bear Cape Light 2 was investigated. This was initiated because of the 80 meter difference in the 1974 and 1977 field positions for the light. According to the 1974 field edit report, the hydrographic survey incorporated this light in the original horizontal control data. This original data was not evaluated during final review as the information has been extracted by N.G.S. and was not readily accessible. Although horizontal control in this area was randomly used to locate offshore rocks and ledges during field edit, position inaccuracies could not be detected. Additional remarks concerning Bear Cape Light are included in the Review Report.

The original base manuscript and all pertinent data was forwarded to the Washington Science Center for final registration.

ADDENDUM TO THE COMPILATION REPORT-FIELD EDIT

HINCHINBROOK ALASKA, CM-7210, TP-00634

Field edit in the area of this manuscript was accomplished by different editors in 1974 and 1977. The edit methods and resultant characteristics differ significantly and are discussed separately in this report. The 1974 edit is discussed first, both because it was accomplished first and because it was by far the most extensive.

The 1974 field edit included all of the shoreline north of Bear Cape and into the adjoining manuscript. Overall, this area was thoroughly investigated and unusually accurate data was developed by the editor utilizing a range/azimuth method to locate detail. However, several problems have arisen in the processing of this data.

Initially, some of the fixes plotted on the edit ozalid by the field editor were transferred directly to the manuscript to locate detail. During the final compilation of the manuscript, the accuracy of the plotted field positions was found to be unsatisfactory due to misplotted control and inherent scaling inaccuracies. Consequently, geodetic positions were derived from all 171 fixes using program, \$FEDT, on the PMC EDE: Branch computer in order to check the field plotted positions. Plotting errors as large a full millimeter were noted, though not all of the fixes were examined. To eliminate the misplotted fixes, a new position overlay was produced by establishing a dummy hydro survey, Hlllll, inputting all control points as well as marks and aids and fix positions as sounding misses. Then the projection, control points and fixes were plotted on stable film by a Xynetics Plotter. The fixes were then transferred to the original manuscript resulting in significant positional changes. The individual fixes were compared to the original fix data and final abstract included as part of the edit report, as well as to the field annotated photography and edit ozalid to verify location, description and height information prior to final compilation. Discrepancies in the comparison process are itemized in the numbered paragraphs following this general statement. Stereo examination of the field annotated photographs suggests the editor monoscopically identified detail. The fixes were categorized as ledge fixes, awash rock fixes, submerged rock fixes, waterline checks and other fixes. Ledges were compiled from the ledge fixes and stereo examination of the photography. The editor's use of the term "rock outcrop" rather than ledge caused concern but was interpreted as ledge after close stereo examination of the photography. Rock heights were determined from approved tide data for the Johnstone Point, Alaska tide gage. Waterline and other fixes were considered on an individual basis and problems are detailed in the numbered paragraphs. The numbered statements are in order of occurance and the numbering is maintained to allow ready location from notes attached to field edit data items.

- 1. Transposition errors occurred from the original field observation records to the final field abstract in fixes 4, 22, 41, 47, 56, 80, 91 and 128.
- 2. No position for station Sisters, 1965 was included on the signal list. The position was located on Form 164 in the compilation report.
- 3. The height of fix 6 on the ozalid is in question. Should it be 10 or 1.0? The fix was plotted as 10.
- 4. Bear Point Light 2 was erroneously located in 1974 but was relocated by R.B. Melby in 1977. The 1977 position is carried forward on this manuscript.
- 5. Fix 148 was not plotted on #FFFFFF because it is a sextant fix. Both the left and center sighted objects are indefinite in nature, so the position was plotted as well as possible and labeled P.A.
- 6. Fix 10 was described as anchors in the field notes and abstract, but as anchor and windless on photograph 72E(C)4391 and the ozalid. A foul was depicted on the manuscript.
- 7. Fix 12 was described as a rock in the field notes on the photography and ozalid, but as a wreck in the abstract. A rock was plotted at the position.
- 8. Fixes 17 and 18 are described as "Rocky Pt" and "Rk bares" in both the field notes and abstract, but the ozalid describes both positions as extent of a rock point. The area is not described as a rock outcrop as ledge is elsewhere noted. Stereo examination of 72E(C)4390 and 4391 leads to the interpretation of 17 as a foul line and 18 as a rock awash.
- 9. Fix 19 was not plotted by Hillil because it was presented in range/range format. When the position was established on the position sheet from the data presented in the field abstract and compared to the controlled cronapaque ratios, the described feature plots approximately 100 meters from the photo position. Examination of the field edit data indicates station High was probably misidentified as ANDRY. The position determined using station High instead of ANDRY agrees with the photo position and was compiled
- 10. A large area near the junction with TP-00633 was originally compiled as a single ledge but was divided into smaller ledges by the field edit data. The western portion is shown as ledge on the ozalid but not fixes or photo reference is found to this structure. Stereo examination of 72E4391 and 4390 fail to confirm ledge. The area was compiled as foul with rocks rather than ledge.

- 11. Fix 7 was described as a check on the MLWL in the field notes and abstract but was described as a rock awash on the edit ozalid. The fix position from the field notes is plotted as a rock awash with the height data from the ozalid. The scaled distance from the MLLWL to the feature agrees with the data presented on the ozalid but differs approximately 8 meters from the field notes. There is no photo reference to the feature.
- 12. Fix 6 contained no descriptive information in the field notes or abstract but was described as a rock awash on the ozalid. The fix position was plotted, and the height from the ozalid applied.
- 13. Fix 4 is described as the center of wreck in field notes, has no description in the abstract and is described as a wreck at the HWL on the ozalid. The wreck is referenced on the photo but is not identifiable. Since the plotted position and description place the wreck at the HWL, implying no hazard to navigation, a wreck symbol was compiled only as a map feature.
- 14. Fix 5 is not described in the field edit data so no feature was compiled.
- 15. Fix 136, which is a waterline check, was not plotted because incomplete fix information was given.
- 16. Fix 31 is described as a rock in the field notes which is the same as fix 20, but the field abstract and ozalid both describe fix 31 as the terminal point of a rock outcrop. The plotted position of fix 31 is approximately the same as fix 21 rather than 20 as described. Fix 21 is described as the extent of a rock outcrop. Fix 31 was compiled as a rock awash on a ledge defined by fix 21.
- 17. Fix 20 is described as a rock in the field notes and abstract. The edit ozalid illustrates the position as the limit of a rock outcrop.

 A ledge was delineated by stereo interpretation of the ratio photographs.
- 18. Fix 19 is described as rocks in the field notes, abstract and on the edit ozalid. The edit ozalid illustrates the fix as the limit of a ledge. The fix was plotted as a rock but a ledge was delineated by stereo interpretation of the ratios.
- 19. The rock awash of fix 88 was not delineated because of the location of the rock awash at fix 87. Fix 87 is more seaward and of greater height. The overlapping symbols that would result if both fixes were plotted, appear too congested.
- 20. Fixes 110A and 111A plot too close together to delineate both positions. Fix 110A was delineated since it is farthest outboard. Both fixes have the same height data so they are of equal significance other than position is concerned.

- 21. Fix 93 was described as 100m west of a rock and reef with kelp. Fixes 143 and 144 are positions on the reef and fix 143 has the same ht as the feature described for fix 93 though the horizontal difference is approximately 70m. A rock symbol 100m east of position 93 would cause congestion without aiding the definition of the reef/kelp area. Fix 93 was not compiled.
- 22. Fix 118 plots on a ledge line for all practical purposes and was not compiled as an awash rock.
- 23. Fix 125 plots on a ledge line and was not compiled as a separate rock.
- 24. Fix 169 was not detailed as a rock because it falls on a compiled ledge line and is inshore of an awash rock with a greater height.
- 25. A question exists as to whether the height for fix 147A recorded in the original field notes is b4.0' or C4.0'. Because the height is referred to as b4.0' on the field abstract and edit ozalid, b4.0' is accepted as correct.
- 26. Fix 148A is described as 2m to rk where WHALE is; however, it plots approximately ten meters from the rock where BAR is located. No detail was compiled from this fix.
- 27. Fix 17 is described as a rocky point instead of a rock outcrop associated with ledge symbolization in this edit. Stereo examination of the ratios covering this area suggests numerous small rocks rather than a single mass. Consequently the area was depicted as foul with rocks rather than ledge.
- 28. Fix 11, which is described as a section of an old ship, was not compiled because it plots inshore of the MHWL and constitutes no navigation hazard. The windless and anchor delineated as a foul at nearby fix position 10 may have originated from the same hulk and are compiled since the outboard position could constitute an obstruction.
- 29. Stereo examination of the photography resulted in the delineation of the ledge limits enclosing fix position 1.
- 30. Fix 135 is described as the shoreline of a rocky beach but plots outboard of the compiled MLLWL. Examination of the tide data for the time of the fix reveals the fix was shot at a -2.5 tide height. Consequently no change to the compiled MLLWL was deemed necessary.
- 31. Fix 121 is a position of the waterline at a -1.2 ft tide. The description confirms a line originally compiled as ledge limit as the MLLWL since the ledge has been revised by adjacent fixed positions.

- 32. Fix 115 was used to modify the MLLWL. The description and time indicate the position is the waterline at a -.7 ft ht of tide. While the photography does not confirm the fixed position, the MLLWL was adapted to accommodate the field location.
- 33. Fix 112 confirmed the compiled MLLWL but resulted in a 20 meter westerly shift in a 450 meter section at the shoreline.
- 34. Fixes 62, 63, 68 and 69 confirm the compiled MLLWL when consideration is given to the negative tide ht at the time of the fixes, but significant differences exist between the compiled MHWL and the line defined by the distances given on the field edit ozalid for these fixes. Stereo examination of the ratio prints confirms the compiled MHWL. The original field notes contain no description for these fixes and the field abstract describes them only as shoreline positions with no distance references to the MHWL. The origin and validity of the distances presented on the ozalid are in question and no shoreline change have been made.
- 35. Fix 84 fails to confirm the MHWL using the distance presented in the field abstract description. Stereo examination of the hydro support ratios confirm the MHWL as compiled. Since no description for this position is included with the original field notes or on the field edit ozalid, the validity of the distance is in question. No shoreline changes were made using this edit item.

HINCHINBROOK ALASKA, CM-7210, TP-00634

The 1977 Field Edit Data submitted was substandard in quantity and presentation. Three (3) fixes were applicable to this manuscript although one fix was indicated to be on an adjoining sheet.

Fix 249-01 described as a rock outcrop on the beach was visible on the photography and called for on the master film field edit ozalid. This fix was not used.

Fix 249-02 described as "cabin on beach", "prominent" was plotted using given data and plots in the back water of Constantine Harbor. This position is in dispute of the position identified on the master film. field edit ozalid. Examination of the ratio photographs insstered did not reveal the position of the building. There was no position plotted for this fix.

Fix 251-04 was identified as anchor and plotted using data submitted. This position carries an abstract symbol, position approximate note as it is a sextant fix with three (3) tangents to indefinite points used as signals. There was also no check fix taken on this position.

Several items were referenced on both the photography and master film field edit ozalid but with different heights or classifications. All detail compiled was positioned from the photography although heights may have been derived from the master film field edit ozalid references to allow use of approved tide data. There was no approved tide data for Julian Day 235 fürnished.

Rocks located near Long. 146°35.5' by Lat. 60°21.3' were presented on the ozalid with height data from JD 250 and represented on the photography from JD 235 also with height data. They showed different positions and configurations. Information from the photograph was used, even tho no approved tide data is available. Detail presented on the photography was examined sterescopically and some items of the final compilation reflect office interepretation of limit lines that were judged to have been monoscopically sketched by the field editor.

Field Edit Report Shelter Bay and Port Etches OPR-452-FA-77

GENERAL

This report covers manuscripts T-00634 and T-00636. Field edit was performed by Fairweather personnel along shoreline inside Port Etches only.

The area inspected is characterized by rocky beach areas with occasional sandy beaches, especially in protected coves. Steep, wooded hillsides rise up from the beach in many places; low, rocky bluffs in others. Rock ledges extend out from shore to varying distances in many areas.

Only 6 fixes were taken along 24 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 in the 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 inside Port Etches was done by LTJG Robert Crowell during the month of September, 1977. Work was performed during fairly r high low tides from a 17 foot skiff and on foot. Copies of the field edit ozalids 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.

Control for fixes was by horizontal sextant angles from the skiff and theodolite directions from shore. Heights were estimated by comparison to objects of known size. The positions of some objects were estimated and have no fix information associated with them.

ADEQUACY OF COMPILATION

Compilation of the manuscripts is generally adequate. Several corrections to the mean high water line are noted on the master ozalids. Most areas labelled as bluffs are more accurately described as steep, wooded hillsides and are so noted on the master ozalids.

MAP ACCURACY

The plotted positions of horizontal control stations compared well with surrounding features. However, no actual measurements were made. No check fixes were taken. The positions of some objects which were partially or totally estimated are probably accurate within 10 meters as this was done only for objects near known points or previously located objects.

MISCELLANEOUS

Due to the lack of low tides during the time of field edit, some submerged rocks in the area may have been missed. One such rock was seen on the day of arrival but could not be found later.

Submitted by:

Robert B Crowell LTJG, NOAA

Approved by:

Bruce I Williams Commanding Officer NOAA Ship Fairweather

SIGNAL LIST

Station	Position	Height
SIGNAL (est. 1977)	60°18'00.427" N 146°39'11.777" W	7 m
PORPOISE ROCK 1902	60°19'09,858" N	25 m

Map T-00634 Shelter Bay

METHOD

Field edit was accomplished by Fairweather personnel inside Port Etches east of $146^{\circ}~43^{\circ}$ W.

ADEQUACY OF COMPILATION .

There were several corrections to the mean high water line inside Constantine Harbor. The revised mean high water line was estimated from examinations on foot.

RECOMMENDATIONS

It is recommended that the map be revised as noted on the master ozalid. Field edit for submerged rocks should be performed with future field edit of map T-00636.

EXAMINATION OF PROOF COPY

No village exists in the area labelled Nuchek. The name should be deleted.

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

ABSTRACT OF TIME OF HYDROGRAPHY OR FIELD EDIT

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FIELD EDIT REPORT

Prince William Sound OPR-999 - DA-73

for

TP-00634

Shelter Bay, Alaska

by NOAA Ship DAVIDSON
M.H. Fleming, CMDG

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INTRODUCTION

The area entailed in this field edit report is that of T-0034, Shelter Bay, Alaska, which covers the northwestern shoreline of Hinchinbrook Island in Prince William Sound. It is bounded by Anderson Bay in the northeast and Constantine Harbor in Port Etches to the southeast. Progress proceeded from the Anderson Bay area around to Bear Cape. No field edit was completed in Port Etches east of Bear Cape. A very careful inspection was made of the western coast as to rocks that were not shown on the manuscripts. This survey was completed on July 10, 12, 17, 18, and 19, which correspond to Julian dates 191, 193, 198, 199, and 200. During this time 137 fixes were obtained, numbers 1-21, 31, and 57-171.

II METHODS

Several techniques were used to obtain field edit data. Where exact positions were not necessary, a visual inspection was made comparing the real shoreline with the paper Ozalid. Many of the questions on the Field Edit Ozalid were answered in this manner. The compilation of the high water line, bluffs, and foreshore areas was very complete on this sheet.

To obtain precise positions of off lying rocks, a mini-ranger/theodolite system was used. This type of positioning, with respect to field edit, was discussed in the Shoreline Delineation Report, OPR-999, Prince William Sound, and the Field Edit Report, T-00633, which is the sheet adjacent and to the east of T-00634. Basically what was done was that a mini-ranger navigator was placed in a skiff. A mini-ranger transponder was then set up over control stations, as well as a Wild Tl-A theodolite. This would enable us to locate the skiff by an angle and distance. All data was collected on the skiff and would be plotted manually in the evenings. This system has several advantages, the main one being the speed of the whole operation. No signals have to be built or located, other than the mini-ranger/theodolite sites. The main disadvantage is that presently fixes cannot be taken on the shore in order to located MHHW or landmarks.

After the fixes were plotted, a smooth position abstract was made simply by putting each bit of fix data in a recognizable form for future processing or verification. Also the notes would be transferred to the Field Edit Ozalid and the field ratio prints. Sketching was done on an Ozalid in the field; however, the prints were seldom taken in the field and no notes were taken on the photos while in the field. Thus, a complete list of sheets accompanying this report:

- Signal Overlay (mylar T-sheet with control stations plotted)
- P. Field Edit Ozalid (notes and answers in purple)
- 3. Position Overlay (all fixes are plotted on this T-sheet with notes)
- 4. Field Photographs #72 E-4397, 4442, 4393, 4438, and 4391 (with notes in purple cross-referenced to the Ozalid)

The T-sheet, called the position overlay, was made for use by the verifier at PMC, and for use here on the ship to transfer changes onto the boat sheets. The T-sheet provides a good base and writing surface for this, versus a paper Ozalid.

III ADEQUACY

The compilation of this sheet is complete north of Bear Cape. Corrections should accordingly be made to the final product. As an entirety, this sheet is not complete, as the area in Port Etches was not checked.

The rock in the middle of the cove west of Shelter Bay, fix #145, has been reported to the Local Notice to Mariners, as it is deemed to be a hazard, particularly to any ship intending to anchor in this area. The rock was observed at a minus three-foot predicted tide.

IV RECOMMENDATIONS

- 1. The boat sheets for this project are to receive top priority in processing. I recommend that this also apply to these field edit notes. The verifier at PMC should have a copy of the position overlay, as soon as possible, to aid him in his work.
- 2. A careful review should be made of this type of application of the Motorola mini-range to use in field edit. The data could easily be digitized such that computer plots could quickly be made, thus speeding up the entire process. I feel the system is justified for this type of work.
- 3. I also suggest that the field Edit Ozalid be made on the more stable T-sheet versus the paper Ozalid. If this were done, maybe a photocopy could be made and immediately given to the verifier at PMC.

Submitted by,

John L Oswald LTJG, NOAA

John L. O swald

Approved by

Michael H Fleming CDR, NOAA Commanding Officer

STATION LISTING

T-00634, Shelter Bay, Alaska

Name	latitude				lon	gitu	de	
High(1974)	deg 60	min 28	sec 23.690		deg 146	min 29	sec 21.442	
KAndry(1974)	60	28	11;212		146	29	26.121	
('Eagle(1974)	60	29	11.677		146	32	10.410	
Anders,1972	60	28	54.103		146	32	07.126	
Point Johnstone Light,1972	60	28	59.707		146	36	43.317	
Jon,1973	60	28	46.171		146	37	17.934	
Sis,1973	60	27	24.319		146	39	06.419	
Zap,1973	60	27	08.197		146	3 9	12.400	
<pre>∠Deer(1974)</pre>	60	224	44.353		146	42	15.560	
7 Titsup(1974)	60	23	21.375		146	43	44.614	,
✓Aardvark(1974)	60	22	58.872		146	43	45.877	
/Whale(1974)	60	21	18.235		146	43	45.848	
Bar(1974)	60	20	37.526		146	43	26.537	
FAA Tower(1974)	60	28	53.809		146	34	37 • 5,75	
*Bear Cape Lt (197	4-)60	-23-	21.633	•	-146	43	, 43 • <u>8</u> 93	Light relocated -during 1977 Field Edit.
* Wes(1974)	60	25	34.202		146	40	57.188	see form 76-40 dated March 1978. GLA

** all stations listed as (1974) were established by the Davidson by traverseor triangulation and are of topographic quality. Refer to the Horizontal Control Report for further data as to the location of these stations.

J.L.0.

^{*} Station Wes was established by a mini-ranger distance and an angle from Sis,1973. Initialling on Jon,1973 the angle was 173-15-25 and the distance was 3806 meters.



U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENT BERVICES ADMINISTRATION
COAST AND DETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED TO BE REVISED XTO/8E/MEK.R.XECK

STRIKE OUT TWO

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks be charted on (deleted from) the charts indicated.

J.L.Oswald

The positions given have been checked after listing by

OCTOBER

CDR.NOAA M.H.Fleming

					:					3	Chief of Party.
STATE A	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			•	POSITION			METHOD		TRAI	
	a Sha		7	LATITUDE*	LONG	LONGITUDE		LOCATION	DATE	EE CH	CHARTS
CHARTING	DESCRIPTION	SIGNAL	•	D.M. METERS		D. P. MEYERS	DATUM	SURVEY No.	LOCATION	HARBO INSHOI	AFFECTED
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**	NR on skeleton steel tower characteristic unknown		60 23	669.5	146 43	252.6	NAD	raverse, 1974	e,1974	×	8520 8551
茶 茶 茶	Red and white (alternate) twin steel tower 175 high		60 28	1665.4	146 34	342.5	NAD :	intersectión	ctión	×	8559
									1974		
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This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted The data should be landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

USCOMM-DC 36485-P66

CHIEF OF PARTY: M.H.F.

YEAR: 1973

STATE: Alaska

COUNTY: Prince William Sound

iption, including sketch of objects

Located about 30 miles west-southwest of Cordova, about 20 yards north of Point Johnstone, on a 55 foot high, offshore rock that is attached to the mainland except at the higher tides.

The station is the flashing white light atop a skeleton steel tower. Designated as Johnstone Point Light No. 3345 in the publication 'Light List Volume III Pacific. Coast & Pacific Islands, 1973.

AME OF STATION: Point Johnstone Light ABLISHED BY: M.H.F.

YEAR: 1973

STATE: Alaska

OVERED BY: * M.H.F.

YEAR: 1974

FEET.

COUNTY: Prince William Sound

HEIGHT OF TELESCOPE ABOVE STATION MARK

AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN: 30 miles west south west of Cordova

HEIGHT OF LIGHT ABOVE STATION MARK

		DIS	TANCE	<u> </u>		
OBJECT	BEARING	FEET	METERS		DIRECTIO	N
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	•	•				
	, ,					

The light was recovered as described in good condition.

37

HORIZONTAL CONTRO

DATA

Coast and Geodetic Survey

NORTH AMERICAN 1927 DATUM

PER (Prince William Sound, Alaska, G.T.R., 1914) --Station is located on the first prominent point along the shore to the southward magnetic from Burke and Steel's old dock on the west shore of Landlock Bay.

It is marked by a standard disk cemented in a rock.

PINE (Prince William Sound, Alaska, H. P.R., 1901) -- This station is located on Porcupine Point, and is on the most northern point of land and the one farthest to the westward from Which can be seen station BOW.

A tree 0.20 meter in diameter was sawed off 1.30 meters above the ground. The remaining stump marks the station. A 7-inch galvanized wire spike, driven into the top of the stump, marks the

center of station.

Two trees and one stump were marked with triangles and foun nails were driven into each. They are 18.25 meters, 5.15 meters and 10.15 meters distant.

女母女女 女教教

This station is located on the large rock about 60 feet offshore at Point Johnstons, Hindflabrock Island.

The rock is about 60 feet high, 50 feet in length and 35 feet in width. Its covered with berry bushes and grass. The top is accessible only by use of ladder, the necessary timber for building of which may be found in immediate vicinity. The station is marked by a quart whiskey bottle buried into the ground about 1-1/2 feet.

PT. JOHNSTONE (Prince William Sound, Alaska, H.P.R., 1900; F.W., 1902)-Station of 1900 recovered and re-occupied. Canter marked by bottle, neck projecting just above surface of ground. Bottle found broken and reset in cement.

JOHNSTON 2, 1933

PT. JOHNSTONE (Frince William Sound, Alaska, H. P.R., 1960; A.W.S., 1933) - This station was Inoched for but not found. It is possible that the station was removed when "dead men" were planted to support a steel ladder up the rock. New station, Point Johnstone 2, established.

4

Pr. JOHNSTONE 2 (Prince William Sound, Alaska, A.M.S., 1933) -This station is located on a large rock 60 feet offshore at Point
Johnstone, Hinchinbrook Island. The rock is abut 60 feet high,
50 feet in leagth and 35 feet in width. It is covered with berry
bushes and grass. It is 14 feet from the inshore end of rock, 46
feet from offshore end, 10 feet from southern side, 26 feet from
northern side and 24 feet from nearest corner of lighthouse on same rock.

RECOVERY NOTE, TRIANGULATION STATION DEPARTMENT OF COM VEHICE 8. S. CRAYT AND SERVING SURVEY PORTS 324

LOGARITY Pt. Johnstone, Hischinbrook Island STATE: ALBORA Yaan: 1933 Yaan: 1947 NAME OF STATION: PT. JOHNSTONE - 2 Estantisued by: 100 RECOVERED BY: TAX

CountriPrince William Sound

Detailed statement as to the fitness of the original description: Station recovered as described in 1933.

wire and parts of the old signal were found in the area.
Sation is on the north cost of Hardinbrook Island or top of a 60 foot fort located about 60 feet effects at Hardinbrook Island or top of a 60 foot for long and 40 feet effects and small small while large rock is about 60 feet lang and 40 feet wide, great and small bushes on the top. Foith Johnston 15 feet inno in this rock 21½ feet MW of the small small bushes on the top. Foith Johnston 15 feet from instance days the innotes and of the rock. Station is 15 feet from instance edge of rock, 32 feet from mrth edge and 10 feet from south edge. It is 24 feet from the makers to concern of the lights box structure. Name is a standard disc espented in a stanged Pt. Johnstone, 1933.

May Land

RECOVERY NOTE, TRIANGULATION STATION

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NAME OF STATION: PT. JOHNSTONE 2 3.M.S. ESTABLISHED BY:

YEAR: 1933 YEAR: 1967 ARELYS DISTANCE AND DIRECTION FROM NEAREST TOWN:

RECOVERED BY:

Pt.Johnstone, Hinchinbrook Is. BENCH MARKIS, ALSO STATE Alaska BENCH MARKES ALSO LOUNTY: Prince William Sound

Desaited stacement as to the liness of the original description; including south found, stampings, changes mode, and other pertident facts:

The original descrip-The station was recovered in good condition. tion is adequate for recovery.

POND [Prince William Sound, H.P.H., 1900] --This station is located on the hill, approximately 550 feet high, at the west and of Enwins Island. It is on the west and of the ridge that runs the entire length of the island. The station is marked by a copper bolt 5/6 inch in diameter leaded in a rock. The station is sation is at the top of the hill.

PORPOISE ROCK (Prince William Sound, Alaska, F.W., 1902) --This station is on the largest and outermost of the group of rocks of the same name lying in the entrance to Port Ectes. The rock is flat on top and covered with a growth of rank grass.

The station is on the southern edge of the list on a point a little higher than the general lavel of the surface. The center is marked by faint cross on a rock below the general auritace of the ground. Two witness marks on projecting rocks close to the edge of the cliff should be easily found and are placed as follows: Gross, azimuth 323°45' distance 7.58 feet

PORPOISE ROCK (Prince William Sound, Alaska, P.W., 1902; A.M.S., 1933) - This station is on the integet and outeranost of the group of rocks of the same name lying in the entrance to Port Etches. The rock is comparatively flat on top and covered with a growth of greas. The station is on the southern edge of the labt on a point a little ligher than the general level of the surface. The station is marked with a standard disk set in a drill hole. Hole was drilled in the centear of the cross that formerly marked the station. The two withess marks were recovered as described. In addition, two standard reference marks were put in drill holes in

Reference mark no.1 is 2.160 meters from station, in azimuth 07.53. pedrook

FEAK # 5 MT. FREEMANTIE (Prince William Sound, Alaska, H.A.K., 1947) -- Station is the highest point of the peak which is i mile north of Point Preemantie in Valdez arm. It is the southern peak of the ridge on the west side of Valdez arm. Station is Nt. Freemantie.

Intersection Elevation 2568 ft.

PRESTON (Prince William Sound, Alaska, E.P.R., 1901) --This station was placed on a rock on the most easterly point of Fox Island, which is just south of the entrunce to the Valdez Arm. The rock is separated from the shore at high water and is 2 feet above high water.

a 3- by 5/8-inch copper bolt leaded e were marked with triangles, with 28.14 meters and 44.47 meters The station was marked by a in the rock. Two trees on shore three nails driven into each; 2 distont.

(continued on page

USCOMM—ESSA—ASHEVILLE

						4
	AME OF STATION:	Point Johnst	one 2			•
1	ABLISHED BY:		YEAR: 1933	STATE: Alaska	BENCH MARK ALSO	
,	RECOVERED BY:*	M.H.F.	YEAR: 1974	COUNTY: Prince W	illiam Sound	
	AIRLINE DISTANCE	AND DIRECTION FROM	NEAREST TOWN: 2	25 nm west sout	hwest of Cordova	
	HEIGHT OF TELESCO	PE ABOVE STATION MAR	K FEET.	HEIGHT OF LIGHT	T ABOVE STATION MARK	FEET.

		DIST	TANCE	
OBJECT	BEARING	FEET	METERS	DIRECTION
				0 ,

The station was was recovered in good condition as described.

e of chief of party should be inserted here. The person who actually visited the station should sign his name at the end of the secorety note.

FORM C&GS-5260 (12-68)

U.S. DEPARTMENT OF COMMERCE

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CALIBRATION RANGES

JON - POINT JOHNSTONE LIGHT with ZAP on the right

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SIS - ZAP

with JON on the left

Right Angle	WES	JON
80	6738	1191
85		1178
90		1173
95		1178
100	6330	1191
105	6224	1215
110	6113	1249

Eagle on the right

Right	1	
Angle	EAGLE	HIGH
76	2894	1692
80	2851	1487
84	2823	1287
88	2810	1090
92	2810	894
(96)	2823	696

chk by 110

Average Correctors for the MINI-RANGER

12 July

Eagle -1

High -6

10 July

Eagle 0

High -2

17 July

Sis -4

18 July

Wes -9

JON -6

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Sheet 55 10 NULY 74 ZULU DESCRIPTION POS C L R DISTANCE ANGLE AT EAGLE FROM ANDERS TO OBVECT TO EASLE FROM OBJECT (METERS) 191 1947 93°19' 3347 2 191 · LWL 1952 910 25:6 3039 3 191 1955 90° 47.2' 3040 HWL 4 191 2000 80.30.0 2537 191 Z005 5 . '86° 46.31 2532 191 2010 6 1837 88°23.7' 7 LWL 191 2013 1417 89034.3 191 86.31.7 8 HWL 2015 1415 191 9 ROCKS 2024 87014.91 765 ANCHORS 191 10 2030 :340°55.1 340: 191 2033 H CWE HOLL 33Z ' 348° 388 121 WRECK By 10 . 12 2034. 330° 31.9 531 ROCK AWASH 2035 13 328° 52.0' 542 LWL:/ 5/L 191 2038 14 335°02.51 591 191 15 ROCK B 4.6 331° 12.0 2042 875 5/L ROCK B 1.0 16 191 2047 326°42.9 1271 191 Rocky Pt. 1557 31800.01 17 2050 191 2051 18 1606 ROCK B 2.0' 318° 0.0' 1410 TO ANDRY W/MINIRANGER 2055 191 19 1757 191 20. 2057 2270 319 44.2 RUCK B. 4.0 191 2059 21 EXTENT OF ROCKS 315 32.8 2330 191 22 2107 292.540 Rock EDGE 4512 190 23 2108 293 24.0 4506 191 24 2110 11 11 293° 10.3 .4493 101 2112 25 RK B. 1.5 4289 294° 528 RK B 3.0 4064 2115 295° 29.2 26 87 EXTENT OF ROCKS 2120. 297006.8 3822 304°58.51 1011 28 2922 2724

	ZULU	POS	DESCRIPTION	Marie Cart		L	C	R
191	2126	29	EXTENT OF RKS	2670	309°27.61			
[9]	2/28	30	ROCK OUTCROP	2544	312° 31.2'			
. 191	2130	3/	RK B. 1.6'	<i>2</i> 336	315°31.7′			
,				FROM HIGH				
	ZULU TIME	P05#	11 JULY 74 DESCRIPTION.	(METERS) DISTANCE	ANSE HOLDEN			
192	1852-2	3/-	Rk OUTGRP	315	238° 23'	 		
192	1903	32	" "	416	195° 13.5			
192	1909	33	SINGLE RK BARE BY 1	821 A	189 43.5	 .		
102	1911	34	RK OUTCROP	878	194 428			
192	1914	35	一种"表现"的"大型"的"大型"。	1013	196 990			
102	1916	36	ROCK BARE BY , 5	1089	189.57.4			
1192	1916	37	* ***	1103	188 11:6			
	1920	38	, , ,	1070	189°05'2			
11 72	1922	39	RK BARE BY 3'	1064	182°42'6			}
192	11 1 1	40		1/38	179°52'3			
192	1929	41	ROCK OUTCRP	891	163.23:1			
1102	1930	42	, "	フフフ	157:224	•		
	2008	43	PR Pt 6m LONG BARE 1'	5603	138 25			
193	2012	44	RK OUTCRP BARE 12'	5536	138°30.7			
. 193		45	RKS ON BEACH BARE I'.	5468	138° 48.4		.	
1193	2020	46.	GRAVEL BEACH 5/L	5363	139°56.7			
193	2022	47	HWL	5363	140 08.2			
193	2026	48	3RKS BARE 4	4828	139°26.2	_		
103	2028	49	RK BARE 4'	4735	139053.9			
103	2032	50	RK OUTCRP BARE 6'	4684	1400 13-9			
193	1	5/	RK OUTCRP BARE 4'	4512	140051.5	_		
5	3 2038	52	RK BARE 3'	4437	141009:5	~- - 		
193	2040	53	RK GUTCRP 4 M LONG BARE 3"		143000			
103	2043	54	2' PEEP 20 M TO 5/L	11160	1440 45	71	1	•

Sheet DIS EM HIGH AZ EM HIGH ! I DESCRIPTION POS \mathbf{R} ZULU 55 HWL 144 58.7 193 2048 2048 HWL = LWL RK OUTERP 147°235 56 2051 2051 MINI RANGER (R) FROM SIS; ANGLE FROM SIS INITIAL ON JON EDGE ROLL OUTCROP 198 855 1340 57 354 70 ROLL OUTCROP B. 5.0 618 1348 198 28 354 04.0 RK OUTCEOP B 6.0 1352 59 386 198 357 21.8 60 RK LEDGE B 7.0' 198 1358 195 , 170- 20.3 2m to RE OUTLEOF B-40 169 09.3 61 492 198 1401 171 13.9 316 ROKY BOH SIL 198 1407 62 SIL ROCKY BEACH 1303 63. 1412 170 = 44.0 198 RKS AWASH: 45m to HUL 1530. 171:1740.7 1416 64 198 198 65 1980 1420 SIL = HWL 172. 11.8 198 -:422 2109 172. 403 66 RUKY OUTCROPS 3614 1439 67 177. 22.0 198 RK B1.0' 198 1444 SIL RUKY BEACH 3658 68 173 17.3 198 1447 69 S/L ZS m to HWL 3772 174 .. 05.2 198 1449 12957 · 174 54.3 AT RCKY OUT CROP B 4.0' AmboS/L 198 1453 176 06.8 RES B 1.0' Sm to S/L 71 4183 198 72 RK B 4.0', 3m to S/L 1455 4236 176 12.8 73 ROCK AWASH 'Zm to outlesp 8.5.0' 4512 198 1458 176. 52.6 S/L = 130 in to HOL 198 1201 74 177 303 4662 RK B 2.0 20m to 5/c 198 75 4822. 178 36.1 1504 76 4906 179 09.7 198 RK AWASH 1506 198 77 1508 4933 RK B3.0', 5m to OUTCROP B7.0 178 47.6 78 3m to S/L ~ 140 to HWL 178 12.0 198 1211 4967 198 1514 79 ROCK HWASH 5124 178 16.8 80 ATS/L.50 m to HWL 1516 5123 177 28.6 198 198 2m to RE AWASH: 10m to 5213 1524 177 41.4 outcrop B 8.0'

Sheet 58

	ZULU	POS	DESCRIPTION	· ·			L	c	R
	MINIRA	WHER (R4) FROM SIS ANGLE FROM SIS	INITIAC	00	201	./		
198	1525	පී2	Ar S/L	5239	177	22.8			
198	1527	83	RK B2.0', outumost of 3, 45m tost	5 363	177	39.3			
198	1530	84	2 m to S/L a 120m/o HWC	. 5424	177	12.0			
198	1533	85	RE AWASH 30 m to S/L	5497	177	46.3			
198	1232	୫	AT RK B 4.0' Sm to OUTLED B 10.0	รริธร	177	45.7			
198	1538	87	RK B 60' 30m long NE-SW direct.	5631	177	45.7			
198	1540	88		5646	177	37.5			
198	1543	8 9 b	AT OUTGEOF B 4.6', 35m to HILL	5695	177				
198	1545	90.	Re Awasy 20m to S/L	5734	1777 · 3				
198	1548	91	2m to outcrop	5754	177.				
198	1550	92	Detached rock B20	-58/8-	177	250			
198	1222	93	som east to Rk 83.0' freef	6080	177	22.0			
34			with kelp.						
	Mini RAN	JE (R4)	FROM WES ; ANGLE FROM WES	INITIAL	DNI.	٠.١٤	/		
199	1353	94	AT ROCK OUTCROD B 7.0'	1620	}	08.9			
199	1358	95	RK OUTCEOP 13 8.0'; 60m to HWL	1551	_05	3 <u>8</u> 3			
199	1406	96	Mid channel to Shell-u Bay Inlet	1388	18	<u>009</u>			
199	1410	97	Edge of RCKY OUTCROP B 4.0'	89z	Z 9	000			
199	1413	98	DETACHED ROCK B 2.01	843	32	00.6			
199	1416	99	B20', 20mx 10m	. 785	32	0 \$.2			
199	1420	100	BOULDERS BO-4' = 80 m to HWL	435	34	174			
·	MINIRA	N6ER	ON JON (R) ANGLE FROM JON	INGTER	<u>_</u> 0	<u>~ ~ ~ </u>	STER		
199	1509	101	DUTER EDGE JEK OUTCROP B 5.0'	126	111	30.0			
199	1210	107	DETACHED RK C 1.0'	133	105	٥.ماا			
100	1513	103	1 _	125	194	54.0			
199	1218	104		670	217	18.4			
199	1524	105	PETACHED RKS BLO' 10 m cast to	145	32	15.6			
			edge of outcrop.		1			i	ļ

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Volume	• • • • • • •	\59
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	ZULU	POS	DESCRIPTION		, 	L	C	R:
	MINI RANG	ER (R.)	ON JON ANGLE FROM JON;	1121T114L 0	N SISTER	es V		
199	1527	106	SIL	253	348 49.0			;]
199	1S28	107	HWL	Z53	340 332			
199	1536	801	Small Rk outcrop B3-5'	1213	23 58.6			
199	1537	109	Rk Blio; 3m to SIL	1316	24 17.1			
199	1539	Ιιο	RKS AT SIL B 1-3'	1232	24 40.2	<u></u>		
199	1541	Ni	RKS AT SIL B 1-4'	1755	28 29.6			
199	1544	112	BOOLDER BEACH SIL; 40 mto HWL	1990	75 583		<u></u>	
199	1846	113	OUTER ROCK OF "SEVEN SISTERS"	2167	28 21.7			
	TIA AUD MIDIRAUD	ee ()	ON PEER INITIAL ON TITSUP			7		
200	1357	110 A	RK AWASH; 3m to RK OUTCROP	176	334 237.8	, .		1
Z06	1359	IIIA	DUTERMOST OF 30'TCHO RKS AWASH	126	331 07.8	,		
06	1400	112 A	PRE OUTCROP 25 m long B1-5'	128	321 18.0	-		
200	1406	113A	RK CZ.O' FOUL AREA	223	302 SD7			
Z <u>00</u>	1411	114	ZM TO WL, RK & SAND BCH; 50M TO HWL	436	294 50.0	-		
200	1417	112	3m TOWL AT MOUTH OF STEEAM	662	318 25.4	-		
<u> 200</u>	1419	116	AT RK AWASH ISM TO RIKY OUTCEON	774	334 04.7	,		1
200	1422	117	RK Bl.o' 3m to OUTCROP	843	336 15.9	r		j i
200	1424	811	AT RK B3.0', 2m TO RIKY DUTING	931	338 01.4	/		· -
Z00_	1426	119	30m long outcrop B1-5'	973	343 19.2	/		<u> </u>
200	1428	120	DUTCEOP 131.0', 40 m. TO BCH	1048	345 26.9	٧.		1.
200	1429	12:1	Im to SIL ON BLOR BEACH	1090	344 38.4	<u> </u>	<u> </u>	
200	1431	122	D'TCHD RK Blo : FOM TO BCH	1077	346 Z4.0	/	ļ. <u></u> .	1
Z00_	1432	123	AT INNER EDGE OF OUTLEOP B 50	mi	348 52.2		ļ	_
200	1433	124	AT DOTER " " B1.0"	1127	350 46.7	~		
O o_	1436	125	D'TCHD RK AWASH	1150	350 54.8	r	ļ	<u> </u>
700	1438	126	EDGE OF OUTCROP BI-7'	1196	351 29,1	v		
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	ZUL U (POS	DESCRIPTION	LEET	RIGHT	Æ ,		R.
+	1A AND M	IDI RAK	GER ON DEER INITIAL ON	TITSUP				<u> </u>
200	1439	127	DITCHD RK B30; 10m TO OUTEROP	1240	352 5/0			
200	1440	128	Edge of ounceop B 5.0'	1343	06.4 352 51.0			
200	1443	129	D'THO RK B1.0', 20 m TO BCH	1473	351 235	-		
200	1447	130	RE AWASH 30 m TO BCH	1606	351 49.0	✓		
200	1448	131.	Re Clo'; FOUL	1445	351 37.0			
200	1504	132	Rk AWASH : 10m to OUTCROP	2635	000 46.7	✓ <u> </u>		
Z06	1505	133	RK AWASH 20 m to S/L	Z'S75	359 45.0	1		
200	1506	134	RKC 1.0' ; 20 m to sle	2571	359 150	1		
200	1210	135	SIL OF ROCK BEACH	2619	356 31.8	/		
200	1213	136	AT SIL; 20m to HWL, NEAR LARGE ANCH					
200	1524	137	AT RE B 10', connected to RK B 1.0' ZOM to S/L	2754	000 46.3			
06	1529	138	Rk C20' 40 m to SIL	Z8(7	000 51.2	√ .		í i
Ž00	1531	139	REX AWASH 20 m to TITSUP	2886	000 S00	7		
Z00	1 .5 ప్రేవ	140	lk B2,0'	2922	000 46.7	Ţ		
Z00	i534	141	RES AWASH	· 2939	000 42.3			
200	1535	142	Pris Augus	2944	000 18.4			
200	1541	143	ex 3 6,0°	330	355 480	1		
200	1542	144	Rk C20	310	358, 00.0			
200	1544	146	EKS AWASH	203	339 46.0			
200	1547	147		393	307 .38.2			
200	1550	1487	• • •	123	30 39.0			ľ
200	1625	148						
	MINI RA) WHER	ON WHALE ANGLE AT WHALE	WITIAL OF	AARDVAR	1 T		
200	1874	1474	D'TCHD RK B 4.0'	1416	168 36.4			
D 0	1828	1484		1295	167 420	1		
.	1830	14.9	• • •	1229	169 50.6			
200	1830	149	AT RK AWASH 2m TO RK B 3.0'	1229	169 50.6			1

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	~• <u>•</u> ,				Volume	• • • • •	• • • • • •	61
_					Sheet	• • • •		
	ZULU	POS	DESCRIPTION	LEFT	RIGHT	L	С	R
200	1831	150	RK B 3.0'	//32	170 21.0	Y		
200	1832	151	AT RE OUTCROP	1//2	163 30.3	/	, 	
200	1834	/52	AT RK AWASIA	1032	166 07.6	1	<u> </u>	
200	1840	/53	RK C 4.0'	777	166 01.0			
200	1841	154	RK 8 1.0'	753	163 51.4			·
200	1842	/s <u>S</u>	ek 8 1.0'	640	167 46.4	/_	_	
200	/843	156	RK B10'	575	167 56.4	•		
. 200	1844	/57	EK AWASH	537	169 46.7	V		<u>.</u>
200	1845	158	RK AWASH	5/7:	170 . 11.8	/		
200	1846	159	RK AWASH	469	171 24.3	√		į
200	1848	160	AT OUTER EDGE OF RK OUTEROP	342	181 438	7		
200	1850	161	RKS B. 2.0'	172	18/ 37.8	÷.	<u>.</u>	
Dio	/852	162	RKS 8 5.0'	121	195 34.0	<u></u>		-
200	1854	163	RK B 1.0'	119	288 01.5			
200	1855	164	RK B 2.0'	121	344 287			
200	1856	165	RES AWASH 30 m TO BCH	197	356 06.5		<u> </u>	
200	185B	166	POINT OF RE OUTCROP	274	350 44.0	ļ	ļ	ļ
200	/859	167	AT RES ALVASH	310	349 40.	1	<u> </u>	
200	1906	168	OUTER OF D'TOHO RKS & 4.0'	Ż235	359 29.		<u>]</u>	
200	1908	169	er 8 1.c'	Z259	000 32.7		<u> </u>	
200	1412	170	Ex C20	2623	000 53.4	4	<u> </u>	<u> </u>
200	1 914	171	RK C 2.0'	Z718	000 514		-	
-260		472			<u> </u>	<u> </u>		<u></u>
·		173	,				<u> </u>	
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NOAA FORM 75-74 1 (2-74)			•	U.S. DEPARTMENT OF COMMERCE
	PHOT	OGRAMMET	RIC OFFICE REVIEW	NATIONAL OCEAN SURVEY
L				
. PROJECTION AND GRIDS	2. TITLE	TPØØ	1631	4. MANUSCRIPT SIZE
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LON Jr.	LON Jr.		LON Jr.	LON Jr.
CONTROL STATIONS	1 101 01.		TOW OT.	HOM 51.
5. HORIZONT AL CONTROL STA	TIONS OF	6. RECOVERAB	LE HORIZONTAL STATIONS AN THIRE-ORDER ACCURACY	7. PHOTO HYDRO STATIONS
THIRD-ORDER OR HIGHER A	CCURACY	OF LESS TH. (Topographic	AN THIRD-ORDER ACCURACY ************************************	'
LON Ur.	1	-	LON Jr.	LON Jr.
8. BENCH MARKS	9. PLOTTING OF	SEXTANT	10. PHOTOGRAMMETRIC	11. DETAIL POINTS
· 				
LON Jr.	LON J	r.	LON Jr.	LON Jr.
ALONGSHORE AREAS (Nautical				
12. SHORELINE	13. LOW-WATER	LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
LON Jr.	1077 7	r	707 7	TOT T
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PHYSICAL FEATURES	i non a	Τ •	TION OT.	L DOM 91.
20. WATER FEATURES	1	21. NATURAL C	ROUND COVER	22. PLANETABLE CONTOURS
LON Jr.		N	Γ. A.	N.A.
23. STEREOSCOPIC	24. CONTOURS	IN GENERAL	25. SPOT ELEVATIONS	24 OTHER PHYSICAL
INSTRUMENT CONTOURS				FEATURES
N.A.	N.A.		N.A.	LON Jr.
CULTURAL FEATURES	<u>' </u>			
27. ROADS	28. BUILDINGS		29. RAILROADS	-30. OTHER CULTURAL FEATURES
				FEATURES
LON Jr.	LON	Jr.	LON Jr.	LON Jr.
BOUNDARIES 31. BOUNDARY LINES			32. PUBLIC LAND LINES	(2.1 Mg - 484)
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N.A	•		<u> </u>	V.A.
MISCELL ANEOUS 33. GEOGRAPHIC NAMES		34. JUNCTIONS	·—	35. LEGIBILITY OF THE
				MANUSCRIPT
LON Jr.			LON Jr.	LON Jr.
36. DISCREPANCY OVERLAY	37. DESCRIPTIV		38. FIELD INSPECTION	39. FORMS
j			PHOTOGRAPHS]
LON Jr.	LON LON	Jr.	LON Jr.	LON Jr.
40. REVIEWER			SUPERVISOR, REVIEW SECT	TION OR UNIT
J			! !	•
L. O. Net	erer Jr. Ø1	/31/73	A.C. Rauck	Jr.
41. REMARKS (See attached shee				
FIELD COMPLETION ADDITION				
42. Additions and corrections script is now complete exc	fumished by the	field completi er item 43.	on survey have been applied	d to the manuscript. The manu-
COMPILER	-1 10000 01100	100111 -131	SUPERVISOR	
James R. Minto	on Ø3/2	2/78	i	•
Reviewer James Mas	sev _ Ø3/ '	78	James Massey	
43. REMARKS				· · · · · · · · · · · · · · · · · · ·
See Part II	of forms 76	- 260 for 1	071, and 1077 for all	field edit source data.
200 2010 11	Or rorms to	- 700 101 1	314 amm (311 rot arr	. Tieto edil source data.

REVIEW REPORT TP-00634

SHORELINE

61. GENERAL STATEMENT:

Field edit was accomplished for this Final Map during the 1974 and 1977 hydrographic survey operations.

See the Summary included in this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. quadrangles Cordova (B-7) Alaska, 1950, 1:63360 scale and Cordova (B-8) Alaska, 1951, 1:63360 scale. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

The contemporary hydrographic survey covering this map includes the three following verified smooth sheets: H-9424, 1974, 1:20,000 scale; H-9713, 1:10,000 scale and H-9425, 1974, 1:20,000 scale. No significant differences were noted during the comparison with H-9424 and H-9713.

A comparison with H-9425 revealed two major discrepancies. The mapped position for a hazardous rock located at Lat. 60° 25' 53" Long. 146° 40' 30" in Shelter Bay disagrees with the smoothsheet location by approximately 120 meters. This rock was field determined by inaccurate control methods and the photography is unsupportive offshore. Consequently, the rock was compiled as position approximate on this shoreline map.

The other discrepancy involves the smoothsheet location of Bear Cape Light. This navigational aid was originally field determined in 1974 and was listed as horizontal control for the hydrographic survey. However, in 1977 during additional field edit operations, a new position was redetermined which located the light approximately 80 meters northeast of the 1974 position. No explanation concerning this difference was submitted, but according to N.GOST. the 1974 horizontal control data submitted for that immediate area was evaluated and rejected.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with NOS chart 16709, 1:80,000 scale, 18th Ed., June 28/80.

There is an apparent displacement between the charted position for Bear Cape Lt. 2 and the 1977 field surveyed position. A comparison between the 17th and 18th chart editions indicates a small adjustment to the light's location. However, the 18th edition appears to be less accurate as the surveyed position locates the Light on the west side of the bluff as previously published on the 17th edition. A call to Geodesy confirmed the 1977 position which was adjusted in March 1981. It is listed in the N.G.S. file as G-16601, BEAR CAPE LIGHT 2, 1977, Lat. 60° 23' 22.793" Long. 146° 43' 38.621" and makes reference in the description as being navigational aid #3406.70 in the Light List. The 1980 Light List indicates a 1974 position which was probably provided during the 1974 partial field edit operation; this position was later found to be incorrect and the light was relocated in 1977 as stated on the March 1978 Form 76-40 included in this Descriptive Report.

The height assigned to the position approximate rock located at Lat. 60° 25′ 53″ Long. 146° 40′ 30″ in Shelter Bay was inaccurately and labeled as uncovering 3 feet on the Class I map. Consequently, this error is carried forward on the 18th edition chart and the 1981 edition of the Coast Pilot. This rock is correctly described in the field edit report and the descriptive report for the Contemporary Hydrographic Survey (H-9425, 1974) as being covered 3 feet at MLLW. Subsequently, the revision to this map, "covers 3 ft. MLLW," was made during final review.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted by:

Jerry L. Hancock Final Reviewer

Approved for forwarding:

Billy H. Barnes

Chief Photogrammetric Branch, AMC

BILL H. Bon

Approved:

Chief, Photogrammetric Branch, Rockville

Walter S. Simmons

Chief, Photogrammetry Division

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7210 (HINCHINBROOK ISLAND, ALASKA)

TP-00634

Anderson Bay

Anderson Creek

Bear Cape

Constantine Harbor

Deer Cove

Eagle Creek

Eagle Point

Garden Cove

Garden Creek

Garden Island

Hinchinbrook Entrance

Hinchinbrook Island

Johnstone Point

Orca Bay

Phipps Point

Point Horn

Port Etches

Prince William Sound

Shelter Bay

Shelter Point &

The Seven Sisters

Approved by:

Charles E. Harrington Chief Geographer, C3x5

CTIVITY	7	IVITY	L & REVIEW GRE	ible personnel)		CHARTS	AFFECTED		16709	16/00	16709	16700											
ORIGINATING ACTIVITY HYDROGRAPHIC PARTY	GEODETIC PARTY PHOTO FIELD PARTY	COMPILATION ACTIVITY	100	(See reverse for responsible personnel)		METHOD AND DATE OF LOCATION (See instructions on reverse side)		FIELD	F-2-6-1	19/3	F-2-6-L	7/14/77		•									
U.S. DEPARTMENT OF COMMERCE		DATE	Mar 1978			METHOD AND DA'		OFFICE															
S. DEPARTA			Island	seaward to determine their value as landmarks.			LONGITUDE	// // // // // // // // // // // // //	AND DESCRIPTION OF THE PARTY NAMED IN	661.6	38 770	593.9											
ANIC AND	ARTS		Hinchinbrook Island	ir value as		101	200		146 36			146 43											
IONAL OCE	FOR CHARTS	LOCALITY	Hinchir	ermine the		727	21/20	// //	59, 707	1848.Ø	22,786	705 2											
				vard to det	DATUM	N. A. 1927	IATITIOE	, ,		60 28		60 23											
	TING AIDS OF THE	STATE	rancn, Alaska	been inspected from	URVEY NUMBER	TP-00634		or aid to navigation.	m	1978)					termined for	by J.L. Oswald,	be incorrect and	in 1977 by R.B.					
	NONFLOATING	Field Party, Shing of Offices	photogrammetric B	HAVE HAVE NOT	JOB NUMBER	CM-7210		Record reason for deletion of landmark or aid to navigation.	Johntone Point Light	(Point Johnstone Light,		(Bear Cape Light 2, 1977)			Note: A position was determined for	bear cape light in 1974 by	but was discovered to be incorrect and	consequently relocated in 1977 by R.B.					
-40	Form 567.	RTED						(Record r	John	(Poi		(Bea			Note:	bear	but w	conse	Melby.				
NOAA FORM 76-40	Replaces C&GS Form 567	TO BE CHARTED	TO BE DELETED	The following	OPR PROJECT NO.			CHARTING		Light		Light				G							

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CTIVITY	ARTY	<u> </u>	¥11VI	LAREVIEW GRP.	ible personnel)	·	CHARTS	AFFECTED		16709	00/01						18				
ORIGINATING ACTIVITY	HYDROGRAPHIC PARTY		COMPILATION ACTIVITY	COAST PILOT BRANCH	(See reverse for responsible personnel)	,	E OF LOCATION		FIELO	F-3-6-I											
ENT OF COMMERCE	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION TO LANDMARKS FOR CHARTS	5 + 4 0	Mox 1078	0161. 1910			METHOD AND DATE OF LOCATION (See instructions on reverse side)		OFFICE					,							
S. DEPARTA	ATMOSPHER		الاراد الاراد	ISTAIIG.	landmarks.			TUDE	// D.P.Meters	37,575	574.0										
٥	ARTS		10000	nticutingrook	ir value as		NOI	LONGITUDE	•	53.809 146 34					i	. = .		:			
	FOR CH	X ± 1 4 00 -		ntrich	termine the		N.A. 1927 POSITION		// D.M.Meters	53.809	1665.4										
	NARKS				ward to de	DATUM	N	LATITUDE	۰	60 28											
	ESTER LANG	STATE	Alonie Alonies	ALGSKG	been inspected from seaward to determine their value as landmarks	LMBER	00634		avigation. In parentheses)								•				
	41.1 14. 21. 21.		, c	rancu	been insp	SURVEY N	TP		t or aid to nu		-									•	
	PACESTAL SECRETARY OF PASSIVE	CNITACGRA	(Field Party, Ship or Office)		HAVE X HAVE NOT		CM - 7210	DESCRIPTION	(Record reason for deletion of landmark or aid to nevigation. Show triangulation station names, where applicable, in parentheses)	(FAA TOWER, 1974)											
2-40	S Form 567.		RTED ISED					ļ	(Record re	(E1	·	***				 			 		
NOAA FORM 76-40	(8-74) Replaces C&GS Form 567.		XTOBE CHARTED	TO BE DELETED	The following objects	OPR PROJECT			CHARTING	TWIN TOWERS											

INFORMATION ON DISSEMINATION OF PROJECT MATERIAL

CM-7210 Hinchinbrook Island, Alaska

National Archives/Federal Records Center

Brown Jacket:

Aerotriangulation Photographs Plot Report Tide Computations Form(s) 275 (fix volumn Bk.) Form(s) C&GS 152 Photo/Hydro Support Photos Project Diagrams

Project Completion Report

Bureau Archives

Registered Maps Descriptive Reports

Reproduction Division

Reduction Negative of each map

Office of Staff Geographer

Geographic Names Standard

Marine Chart Division

Chart Maintenance Prints