### T-12653

### U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY DESCRIPTIVE REPORT PH-6409 Type of Survey Shoreline (Photogrammetric) Field Edition No | Office No. T-12653 Field Edited Map **LOCALITY** ALASKA ORCA INLET General locality ...... Locality CORDOVA 1964-1966 **CHIEF OF PARTY** H. J. SEABORG CHIEF OF PARTY COMPILATION OFFICE P. A. STARK LIBRARY & ARCHIVES

USCOMM-DC 5087

### DESCRIPTIVE REPORT - DATA RECORD

T - 12653

PROJECT NO. (II):	AND REPORTED BY	1 - 1 - 1 - 1 - 1 - 1 - 1		-	
21423 (2)	PH-6409				
FIELD OFFICE (II):			CHIEF OF PARTY	-	
SHIP PATHE	INDER			н.	J. SEABORG
PHOTOGRAMMETRIC OFFICE (III):		A LONG TO	OFFICER-IN-CHA	RGE	
PORTLAND,	OREGON			Р.	A. STARK
INSTRUCTIONS DATED (II) (III):					
DECEMBER 7	<b>,</b> 1964 III				
METHOD OF COMPILATION (III):					
KELSH INST	BUNCHT				
WELDH INDI	KOMENI				
MANUSCRIPT SCALE (III):		STEREOSCO	PIC PLOTTING INS	TRUMENT SCA	LE (III): 1:6,000
1:10,000			APH SCALE:		1:10,000
DATE RECEIVED IN WASHINGTON OFFI		DATE REPO	DRTED TO NAUTICA	L CHART BRA	NCH (IV):
May 197	77				
APPLIED TO CHART NO.		DATE:		DATE REGIS	TERED (IV):
					5 1977
GEOGRAPHIC DATUM (III):	The Balling and		VERTICAL DATU	M (III):	1400
			MEAN SEA LEVE		
			Elevations shown	as (25) refer to	mean high water
N.A. 1927			Elevations shown	as (5) refer to	sounding datum
			i.e., mean low wat	er or mean lowe	r low water
REFERENCE STATION (III):	THE OWNER OF THE				ASST THREE TO
TOWN 1933					
LAT.:	LONG.:	AL PRO	(97)		
60° 33' 01.406"	145° 45' 28.6	33"	MADJUSTED WADJUSTED		
PLANE COORDINATES (IV):		The Control	STATE		ZONE
		THE SECTION			
Y = 2,393,178.46 FT	C = 543,570.75 FT.		ALAS	KA	3
ROMAN NUMERALS INDICATE WHETHER OR (IV) WASHINGTON OFFICE.	THE ITEM IS TO BE ENTER	RED BY (II) F	IELD PARTY, (III)	PHOTOGRAMMI	ETRIC OFFICE,
WHEN ENTERING NAMES OF PERSONNE	L ON THIS RECORD GIVE T	HE SURNAME	AND INITIALS, NO	INITIALS ON	LY.

### **DESCRIPTIVE REPORT - DATA RECORD**

FIELD INSPECTION BY (II):		DATE:
None		
MEAN HIGH WATER LOCATION (III) (STATE DATE	AND METHOD OF LOCATION):	
KELSH INSTRUMENT	- August 25, 1964	
PROJECTION AND GRIDS RULED BY (IV):		DATE
A. E. ROUNDTREE		11-25-64
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
P. Hawkins		
CONTROL PLOTTED BY (III):		DATE
W. MASULA		12-15-64
CONTROL CHECKED BY (III):		DATE
R. H. Meyer		12-15-64
		12210201
RADIAL PLOT OR STEREOSCOPIC CONTROL EXT	ENSION BY (III):	DATE
W. HEINBAUGH		11-18-64
STEREOSCOPIC INSTRUMENT COMPILATION (III)	PLANIMETRY	DATE
	R. H. MEYER	1-6-65
	CONTOURS	DATE
	None	
MANUSCRIPT DELINEATED BY (III):		DATE
C. C. HARRIS		1-19-65
SCRIBING BY (III):		DATE
A. Shands		Dec. 1966
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
D. N. WILLIAMS		1-21-65
REMARKS:		Coting to me
Field Edit		Sept. 1965 and May 1966

USCOMM-DC 162768-P61

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

### **DESCRIPTIVE REPORT - DATA RECORD**

CAMERA (KIND OR SOURCE) (III):

C&GS	Single Lens "S"		·			
	PHO	TOGRAPHS (III)				· · · · · · · · · · · · · · · · · · ·
NUMBER	DATE	TIME	SCALE	5	TAGE OF	TIDE
64 S 6892 AND 64 S 6893	8425-64	0955	1:30,000	3.8 FT	ABOVE	M.L.L.W
64 S 6789	tt .	0850	rt	0.5 FT	II	11
64 S 6941 THRU 64 S 6944	п	1035	1:15,000	5.1 FT	11	n
		TIDE (III)				DIURN
				RATIO OF RANGES	MEAN RANGE	RANGE
REFERENCE STATION:	CORDOVA				10.0 FT	12.4
SUBORDINATE STATION:						
SUBORDINATE STATION:						
WASHINGTON OFFICE REVIEW	BY (IV): Les F. Bougne	Allantic Mi	Brine Conter	DATE:	196,	7
WASHINGTON OFFICE REVIEW PROOF EDIT BY (IV):	3. Phillips	Rockville	e, Md	DATE:	ne i	1977
NUMBER OF TRIANGULATION S	TATIONS SEARCHED FOR	(n):	RECOVERED: 2	IDENTIFIE	2	
NUMBER OF BM(S) SEARCHED	FOR (II):		RECOVERED:	IDENTIFIE	ED	
NUMBER OF RECOVERABLE PH	IOTO STATIONS ESTABLIS	HED (III): No:	NE	•		
NUMBER OF TEMPORARY PHOT	TO HYDRO STATIONS ESTA	ABLISHED (III):	None		···	
REMARKS:				<u> </u>		

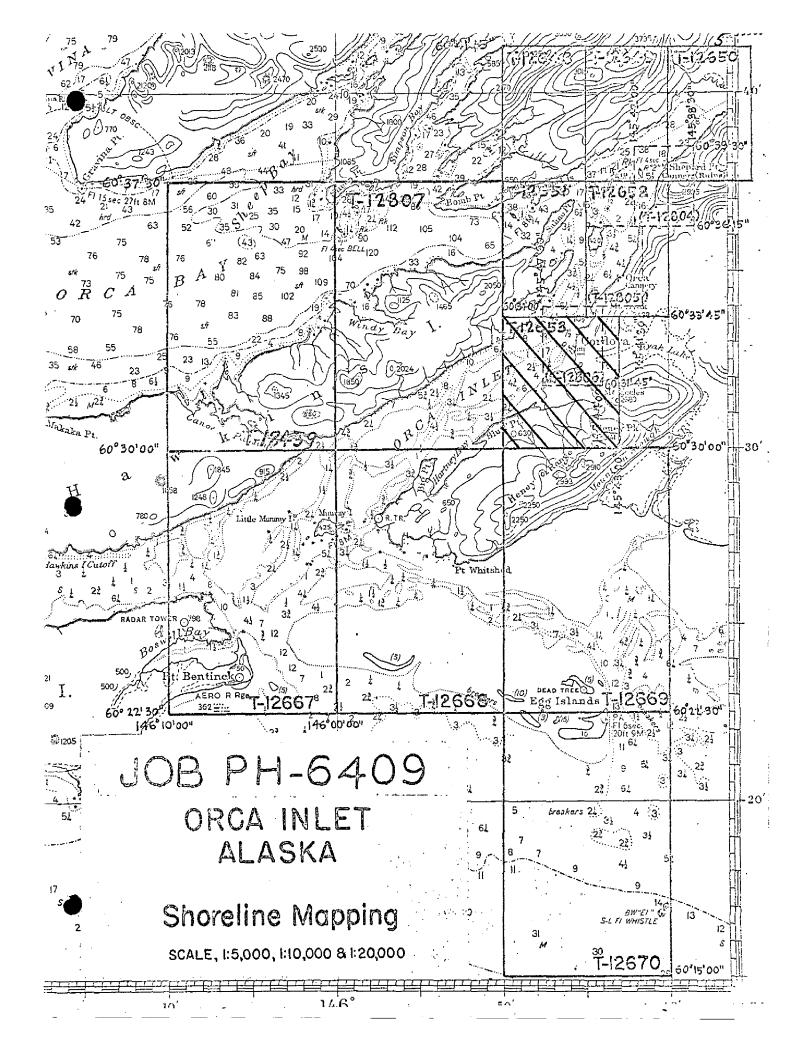
T-12653

COMPILATION R	ECORD
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COMPLETION DATE

REMARKS

January 1965	Superseded
November 1965	Superseded
May 1966	
May 1967	
	November 1965 May 1966



### SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT T-12653

Shoreline survey T-12653 is one of fifteen similar surveys in project PH-6409. It covers a part of the shoreline of Orca Inlet in the vicinity of Cerdova, Alaska. The primary purpose of the survey was to provide new shoreline for nautical charts and photo-hydro support data for hydrographic surveys to be made in the same area.

Field work preceding compilation consisted of recovery and identification of horizontal control. There was no field inspection prior to compilation.

Compilation was by Kelsh Instrument, at 1:10,000 scale, using the panchromatic photography obtained August 25, 1964. The area around Cordova Harbor was later revised from photography of July 9, 1966.

The manuscript is a vinylite sheet 3 minutes 45 seconds in latitude by 7 minutes in longitude which was scribed and reproduced on cronaflex. One cronar positive and one cronar negative are provided for record and registry.

### FIELD INSPECTION REPORT

### MAP MANUSCRIPT T-12653

PROJECT 21423 (2)

None Submitted. There was no field inspection before compilation.





## DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 12653 PROJECT NO.	T NO. 21423 (2)	SCA	SCALE OF MAP 1:10,000 SCA	SCALE FACTOR
STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 3048006 meter) FORWARD (BACK)
ACROSS 1933	ALASKA	N.A.	2,396,838.0	
1	60145 P.1	1927	535,135.6	
C 15/12 OO (110F) 10/9	=	ŧ	2,392,401.7	
0+61 (360) 00:01+01-0			542,089.1	
COPPER CITY, HOUSE,	=	=	2,391;493.8	
WEST GABLE, 1899			543,627.6	
SOUTH ADEX	r 1	Б	2,377,547.0	
5081 WACONO			547,842.1	
CORDOVA BOAT HARBOR LIGHT	UNADJUSTED	==	2,392,043.6	
1964	FIELD POSITION		541,999.4	
	ALASKA	•	2,389,246.6	
CORDOVA RADIO MASI, 1955	60145 Р.3	=	543,229.2	
100 V 700 P	1	=	2,388,238.0	
ETAN 1900			540,053.9	
•		,	2,385,146.5	20 T T T T T T T T T T T T T T T T T T T
MAUD 1899	" P.5	=	537,089.8	
A COLLANS	UNADJUSTED	=	2,385,147.6	
រ	FIELD POSITION	:	537,088.0	
, !	ALASKA	<u>'</u>	2,393,296.4	
NARD 1933	60145 P.5		541,567.0	74
	1.	Ξ	2,393,880.0	
SEST LIGHT	<u>0</u>	:	531,955.9	
STIMP S (11808) 1984	UNADJUSTED	≓'	2,393,887.3	\$
	FIELD POSITION	-	531,960.5	
COMPUTED BY	DATE		CHECKED BY	DATE
C.H.B.	12-15-64		R.H.M.	12-15-64
	····		; ;	





## DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 12633 PROJECT NO.	ST NO: 21423(2)	SCA	SCALE OF MAP 1:10,000 SCA	SCALE FACTOR
STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE	N.A. 1927 • DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 $Ft. = 3048006 \text{ meter}$ ) FORWARD (BACK)
TOWN 1933	ALASKA 60145 P.15	N.A. 1927	2,393,178.5 543,570.8	
USLM NO. 827, 1916		E	2,394,350.2	
BUNCO 1899	•	E	2,395,196.3	
				72.
				9
COMPUTED BY C.H.B.	DATE 12-15-6	-64	CHECKED BY R.H.M.	DATE 12-15-64

### Aerotriangulation Report Project 21423 Orca Inlet, Alaska

### 21. Area Covered

The area covered by this report on aerotriangulation bridging encompasses the shoreline of Orca Inlet, Alaska (T-12648 through T-12652 and the northeast portion of T-12653).

### 22. Method

Three strips of photography (64S 6892-98), (64S 6787-92) and (64S 6909-15) were bridged on the stereoplanigraph and were adjusted by IBM 1620 methods.

Plotting coordinates are furnished at 1:5,000 scale for T-12804, T-12805 and T-12806 and at 1:10,000 scale for T-12648 through T-12653.

Positions of tie points were meaned when necessary.

### 23. Adequacy of Control

Horizontal control provided was adequate as to location and quality to control the bridges within the limits of accuracy required by National Map Accuracy Standards. However, a portion of the shoreline of T-12653 cannot be compiled since control station, Travel 2, could not be held. Each attempt to use Travel 2 as the terminal point (Strip 3) resulted in large residuals for other control stations in that bridge. An adjustment of the bridge, with Orca Bay, South Bldg., West Gable (1955) as the terminal station, was made and the resulting foreshortened bridge held satisfactorily. No explanation of the failure of station Travel 2 to hold is apparent. The station should be re-identified to provide control for that portion of the shoreline.

### 24. Supplemental Data

USGS quadrangles Cordova, Alaska (B-5, B-6, C-5 and C-6) scale 1:63,360, 1953 edition were used to provide vertical control where needed.

### 25. Photography

Photography was adequate as to coverage, overlap and definition.

Approved by:

Submitted by:

John D. Perrow. Jr.

W Heinnaugh

Aerotriangulation Report
Project 21423
Orca Inlet, Alaska
Supplemental Report

Re-identification of Station Travel 2, 1964 provided means of extending Strip #1 to the southern limits of T-12653. A straight line adjustment was run from Cordova Jetty Lt. 1964 to Travel 2, 1964 with Across 1933 plus four tie points as checks.

Residuals plus ties indicate the bridge is good. However, if future work is planned to the south of T-12653 it is recommended that bridging extend to Cordova Jetty Lt. 1964 in order to obtain proof of the tie.

John D. Perrow, Jr.

### COMPILATION REPORT

### T-12653

### 31. DELINEATION:

Planimetry was compiled by Kelsh Instrument from office interpretation of the photographs.

### 32. CONTROL:

Adequate supplemental control, based on field identified horizontal control, was established by aerotriangulation.

### 33. SUPPLEMENTAL DATA:

None

### 34. CONTOURS AND DRAINAGE:

Contours inapplicable.

The drainage was delineated by the Kelsh operator using the U.S.G.S. quadrangle as a guide.

### 35. SHORELINE AND ALONGSHORE DETAILS:

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

### 36. OFFSHORE DETAILS:

None

### 37. LANDMARKS AND AIDS:

Two fixed aids to navigation are reported on form 567.

One landmark, HOUSE, shown on Chart 8525 at latitude 60°35.51 longitude 145° 44.91 was not visible on the photographs and is not shown on this survey.

### 38. CONTROL FOR FUTURE SURVEYS:

None

### 39. JUNCTIONS:

Satisfactory junctions were made with T-12651 and T-12652, L 1:10,000 scale manuscripts, on the north; T-12807, 1:20,000 scale manuscript on the west, and with T-12806 a 1:5,000 scale manuscript which lies within the limits of this manuscript. There are no contemporary surveys to the east and south.

### LO. HORIZONTAL AND VERTICAL ACCURACY:

### 46. COMPARISON WITH EXISTING MAPS:

Comparison was made with U.S.G.S. CORDOVA (C-5), ALASKA quadrangle, 1:63,360 scale, edition of 1951.

### 47. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with the following nautical charts:

8525, 1:30,000 scale, July 27, 1964 8520, 1:80,000 scale, July 20, 1964 8551, 1:200,000 scale, April 15, 1963

Items to be applied to nautical charts immediately:

None

Items to be carried forward:

None

Approved by:

Leo. L. Beugnst for P. A. Stark, CDR, C&GS Portland Field Office Submitted by:

Jonnel M. Welleine Donnel N. Williams Cartographer

### 48. GEOGRAPHIC NAME LIBT:

THE APPROVED GEOGRAPHIC NAMES LISTED BELOW WERE FURNISHED BY THE WASHINGTON OFFICE ON U.S.G.S. CORDOVA (C-5) ALASKA, 15 MINUTE QUADRANGLE, SCALE 1:63,360, EDITION 1951.

CORDOVA
HAWKINS-ISLAND
MUD BAYODIAK SLOUGH
ORCA INLET
SPIKE ISLAND

### 49. Notes to the Hydrographer:

None.

FORM C&GS-1002				U.S. DEPARTMENT OF COMMERCE
(A-06)	PHO	TOGRAMMET	RIC OFFICE REVIEW	COAST AND GEODETIC SURVEY
50	. , , , , ,	XXO	19393	•
1. PROJECTION AND GRIDS	2. TITLE	<u></u>	2653 T3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
I. PROJECTION AND GRIDS	124 1116		J. MANUSCRIFT NUMBERS	MANUSCRIFT SIZE
DNW	DNW		DNW	DNW
CONTROL STATIONS				
5. HORIZONTAL CONTROL STA THIRD-ORDER OR HIGHER A	ATIONS OF CCURACY	6. RECOVERAL OF LESS TH (Topographic	BLE HORIZONTAL STATIONS IAN THIRD-ORDER ACCURACY C stations)	7. PHOTO HYDRO STATIONS
DNW		ľ	NONE	NONE
8. BENCH MARKS	9. PLOTTING OF	OF SEXTANT	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
NONE	NONE		DNW	DNM
ALONGSHORE AREAS (Nautical				
12. SHORELINE	13. LOW-WATER	RLINE	14. ROCKS, SHOALS, ETC.	15, BRIDGES
į				·
DNW	DNW		DNW	NONE
16. AIDS TO NAVIGATION	17. LANDMARK	(S	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
D NW	DNW		DNW	DNW
PHYSICAL FEATURES				
20. WATER FEATURES		21. NATURAL	GROUND COVER	22. PLANETABLE CONTOURS
]		ļ		
DNW			DWM	NONE
23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS	S IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
NONE	NONE		NONE	DNW
CULTURAL FEATURES				
27. RO ADS	28. BUILDINGS	3	29. RAILROADS	30. OTHER CULTURAL FEATURES
	DNW		DNW	DNW
BOUNDARIES	2111		- <u>L 2011</u> -	
31. BOUNDARY LINES	<u></u> _		32. PUBLIC LAND LINES	
NONE			NONE	
MISCELLANEOUS				
33. GEOGRAPHIC NAMES		34 JUNCTION	s	35. LEGIBILITY OF THE MANUSCRIPT
DNW			DNW	DNW
36. DISCREPANCY OVERLAY	37. DESCRIPTI	VE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
DNW	DNW		DNW	DNW
40. REVIEWER	1 22.11	<del></del>	SUPERVISOR, REVIEW SECT	<u>.                                      </u>
Dames N. W.	Z 1 1 d awa		Leo F. Beugnet	
Donnel N. W		<del></del>	1 men t. penguer	
41. REMARKS (See attached shee				
FIELD COMPLETION ADDITION		TIONS TO THE	AANUSCRIPT	
<del></del>	S AND CORRECT furnished by the	e field complet		to the manuscript. The manu-
42. Additions and corrections	S AND CORRECT furnished by the	e field complet	ion survey have been applied	
42. Additions and corrections script is now complete ext	S AND CORRECT furnished by the	e field complet	SUPERVISOR	
42. Additions and corrections script is now complete exc	NS AND CORRECT S fumished by the cept as noted un	e field complet	ion survey have been applied	c Ranck J.
42. Additions and corrections script is now complete excomplete.  COMPILER  K. Boyle	NS AND CORRECT S fumished by the cept as noted un	e field complet	SUPERVISOR	
42. Additions and corrections script is now complete example.  COMPILER  K. Boyle  Reviewed: C. Bishop	NS AND CORRECT S fumished by the cept as noted un	e field complet	SUPERVISOR	
42. Additions and corrections script is now complete example.  COMPILER  K. Boyle  Reviewed: C. Bishop	NS AND CORRECT S fumished by the cept as noted un	e field complet	SUPERVISOR	



### UNITED STATES GOVERNMENT

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

ENVIROREM TAL SCILEGE SERVICES ADAINTS TRATION

TO

Chief, Photogrammetry Division

DATE: Hay 7, 1966

In reply refer to:

FROM : Commanding Officer UEC&GS Ship HODGSON

SUBJECT:

Field Edit - Orca Inlet

Project 21423 (2) Job PH-6409

Photographs, manuscripts and ozclids for the above project are returned under separate cover. The required field edit has been decomplished and apppropriate notes made on the photographs and ocalids. Upon re-compilation the advance manuscripts and photos should be returned to Seattle processing office for application of shoreline to smooth sheets and final. signal location.

PACHARCEN cc:



### Sheet T-12806

New plantos The Booking of at 1/16,000 Par film 5/11/4 N.C.G

Discrepancies as noted were verified in the field. See photo no. 6436942 1/5000. Please note the changes to the area about the small boat basin. To scale sketch has been made of the area as found in May 1966. Other changes are contemplated and it is recommended that a stereo triplet be obtained in mid-summer for undating. The MAW line is shown in purple about the fill area as requested.

### Sheet T-12649

Discrepancies as noted were verified in the field and appropriate notes made in purple on photo no. 6486786 1/10,000.

### Sheet T-12652

Discrepancies as noted were verified in the field and appropriate notes made in purple on photo no. 6486786, 6486787, 6486949, 1/10,000. Please note new MML for western side of observation island.

### Shoot 12804

Discrepancies as noted were verified in the field. Applicable notes were made on the ozalid.

### Sheet 12805

Discrepancies as noted were checked in the field. See also sheet T-12652.

### Shoet T-12653

All discrepancies as noted were verified on photo nos. 6437353, 6436891, 6487350, 1/10,000 and 6486943, 1/5000. All shoreline verified is shown in purple on the photos.

New bhotos Sanchaladi Pary.

In the area SW of station MAUD 2, 1964, photo no. 6486891 considerable activity by the Corps of Engineers makes MMI verification impracticable at this time. Hore recent photography is required. It is recommended at ///0,000 | that a stereo triplet be made of the area in mid-surmer for final shoreline detail of this area.

5/11/66 MH.

On photo no. 6486943 changes were made to shoreline from that shown in 1965 in red. These changes (1966) are shown in purple on the photo.

### Sheet T-12648

All discrepancies as noted by the compiler were checked and appropriate notes made on the oxalid with the exception of Simpson Bay. This area was not within the project limits.

### Sheet T-12650

Discrepancies as noted were verified in the field. NHWL was inked in purple on photo no. 6456952 and 6456953, 1/10,000.

### Sheet T-12651

Discrepancies as noted were verified in the field. All references are made to photo no. 6486784, 1/10,000. Hotes with "LL" indicate a lead line sounding at the applicable time. Shoreline verification is shown in purple on the photo. Several rocks not noted on the discrepancy sheet were added and applicable notes made.

### REVIEW REPORT SHORELINE MAY 23, 1967

### 61. GENERAL STATEMENT

See Summary accompanying Descriptive Report.

### 62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with Registered Survey No. 3648, 1:20,000 scale, made in 1916 Valdez datum. The comparison between the two surveys is shown on the comparison print.

Shoreline survey T-12653 supersedes the older survey for nautical chart construction.

### 63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with U.S.G.S. CORDOVA (C-5), ALASKA quadrangle, 1:63,360 scale, edition of 1951 with minor revisions made in 1962. The two surveys are in good general agreement.

### 64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with copies of boatsheets H-8853, PF-10-1-64 and H0-05-0-65. The shoreline on neither boatsheet is in agreement with the advance manuscript. The source of the shoreline for H0-05-1-65 was probably obtained from an Incomplete Manuscript.

### 65. COMPARISON WITH NAUTICAL CHARTS

To the north of latitude 60° 32' comparison was made with Chart 8525, 1:30,000 scale, 8th edition, March 14, 1966, Revised November 14, 1966. This comparison is shown on the comparison print.

To the south of latitude 60° 32' comparison was made with Chart 8520, 1:80,000 scale, 13th edition, March 79 1966.

### 66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey complies with instructions and meets the National standards of Map Accuracy.

Reviewed by:

Leo F. Beugnet

Approved by:

2. Bull ey HA

Director, Atlantic Marine Center

Approved by:

Chief, Photogrammetric Branch

Chief, Photogrammetry Division

Chief, Nautical Chart Division

### NOTES TO THE REVIEWER

The approximate low water line has been retained on the manuscript for any value it may have to the nautical chart compiler.

### U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

# NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED YOUR KEYISEN STRIKE OUT TWO

Portland, Oregon

February . **19**65

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

The positions given have been checked after listing by

STATE A'1	, , , , , , , , , , , , , , , , , , , ,				POSITION			METHOD			HART	HART
	ALACKA		Ľ	LATITUDE *	LONGITU	TUDE *		LOCATION	DATE		ORE C	CHARTS
CHARTING	DESCRIPTION	NAME	0	D. M. METERS	•	D. P. METERS	DATUM	SURVEY	LOCATION	HARBO INSHO	07/84	) T T E C I E C
	Cordova Light 1		60 33	8.06 96.10	1),5 ),6 727	17.72 727 1	N.A.	Photo	Aug. 25	×	700	255 255 255 255 255 255 255 255 255 255
								,				
	Cordova Boat Harbor Light 2			X0. 285	1 1 1	00,138		Triang.	8	×	m	525
 	(Cordova Boat Harbor Light, 1961)		60,32	1226.1	97 547	1.50	=	T-12653		×	m	8526
								·····				
										-	-	
											+	
										1	+	
											+	
								-				
											-	
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	•				,					1	$\dashv$	
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landmarks and nonfloating side to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. on sidered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

ABULATE SECONDS AND METERS 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