

TP-00265

TP-00265

NOAA FORM 76-35  
(6-80)

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

# DESCRIPTIVE REPORT

THIS MAP EDITION WILL NOT BE FIELD EDITED

<i>Map No.</i> TP-00265	<i>Edition No.</i> 1
<i>Job No.</i> CM-7211	
<i>Map Classification</i> CLASS III (FINAL)	
<i>Type of Survey</i> SHORELINE	
<b>LOCALITY</b>	
<i>State</i> ALASKA	
<i>General Locality</i> VALDEZ ARM, WEST SIDE	
<i>Locality</i> GLACIER ISLAND	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 1972 TO 19 </div>	
<b>REGISTERED IN ARCHIVES</b>	
<b>DATE</b>	

NOAA FORM 76-36A (3-72) <div style="text-align: right; font-weight: bold;">U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.</div> <div style="text-align: center; font-weight: bold; margin-top: 10px;">DESCRIPTIVE REPORT - DATA RECORD</div>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>00265</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III (FINAL)</u> JOB <u>RM. CM-7211</u>
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit, Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE A. Y. Bryson, CDR		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	

I. INSTRUCTIONS DATED	
1. OFFICE	2. FIELD
Aerotriangulation August 18, 1972 Compilation September 22, 1972	Horizontal Control April 17, 1972 (Premarking)

II. DATUMS	
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN	OTHER (Specify)
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL	OTHER (Specify)
3. MAP PROJECTION Polyconic Projection	4. GRID(S) STATE Alaska ZONE 3
5. SCALE 1:20,000	STATE ZONE

III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS	NAME	DATE	
1. AEROTRIANGULATION BY METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY	D. Norman	Sept. 1972	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Coradomat</u> CHECKED BY	D. Phillips	Sept. 1972	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: <u>Wild B-8</u> CONTOURS BY SCALE: <u>1:30,000</u> CHECKED BY	L. O. Neterer, Jr.	Oct. 1972	
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: <u>Smooth drafted</u> CONTOURS BY CHECKED BY SCALE: <u>1:20,000</u> HYDRO SUPPORT DATA BY CHECKED BY	L. O. Neterer, Jr.	Nov. 1972	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	R. White	Nov. 1972	
6. APPLICATION OF FIELD EDIT DATA BY	None		
7. COMPILATION SECTION REVIEW BY	R. White	Nov. 1972	
8. FINAL REVIEW <u>FINAL CLASS III</u> BY	W. McLemore, Jr./Hancock	Sept. 1984	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY	J. Hancock	Sept. 1984	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	P. Hawkins	DEC 1984	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY	R.S. KORNSPAN	FEB 1985	

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COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-9 "M" (M=88.20mm) Wild RC-8 "E" (E=152.71mm)		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Alaska MERIDIAN 150th	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
72 M(P) 1280 - 1282	July 3, 1972	13:04	1:60,000	4.2 ft. above MLLW	
72 E(C) 4462 - 4463	July 3, 1972	13:26	1:30,000	5.1 ft. above MLLW	
72 E(C) 4466 - 4470	July 3, 1972	13:36	1:30,000	5.7 ft. above MLLW	
72 E(C) 4474 - 4479	July 3, 1972	13:45	1:30,000	6.1 ft. above MLLW	
				Mean Tide Range=9.5 ft.	

REMARKS Photographs based on predicted tide data are referenced to Reference Station Cordova, Alaska and Subordinate Station Jackson Cove, Glacier Island, Alaska.

2. SOURCE OF MEAN HIGH-WATER LINE:

The Mean High Water Line was compiled from office interpretation of the above listed 1:60,000 scale compilation/bridging panchromatic photographs using stereo instrument methods and the above listed 1:30,000 scale color photographs ratioed to the 1:20,000 map scale using graphic methods.

3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

None compiled.

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

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00264	No survey	No survey	No survey
REMARKS			

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## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD ~~INSPECTION~~ OPERATION (PREMARKING) ☐ FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Melby	June 1972
2. HORIZONTAL CONTROL	RECOVERED BY R. Melby ESTABLISHED BY R. Melby PRE-MARKED OR IDENTIFIED BY L. Riggers	June 1972 June 1972 June 1972
3. VERTICAL CONTROL	RECOVERED BY N.A. ESTABLISHED BY N.A. PRE-MARKED OR IDENTIFIED BY N.A.	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY None LOCATED (Field Methods) BY None IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION BY	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY None	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED  
Premarked (Paneled)2. VERTICAL CONTROL IDENTIFIED  
N.A.

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
72 M(P)1280	CALL, 1947 (Paneled direct)		
72 M(P)1282	EXIT, 1951 (Paneled direct)		
72 M(P)1282	GROWLER, 1972 (Paneled direct)		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

3 Forms 152 (CSI Cards)

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## RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete	Nov. 1972	Class III manuscript	Dec.15,1972	Dec.12,1972
Final Review, Class III	Sept. 1984	Final Class III map No field edit performed		

## II. LANDMARKS AND AIDS TO NAVIGATION None

## I. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

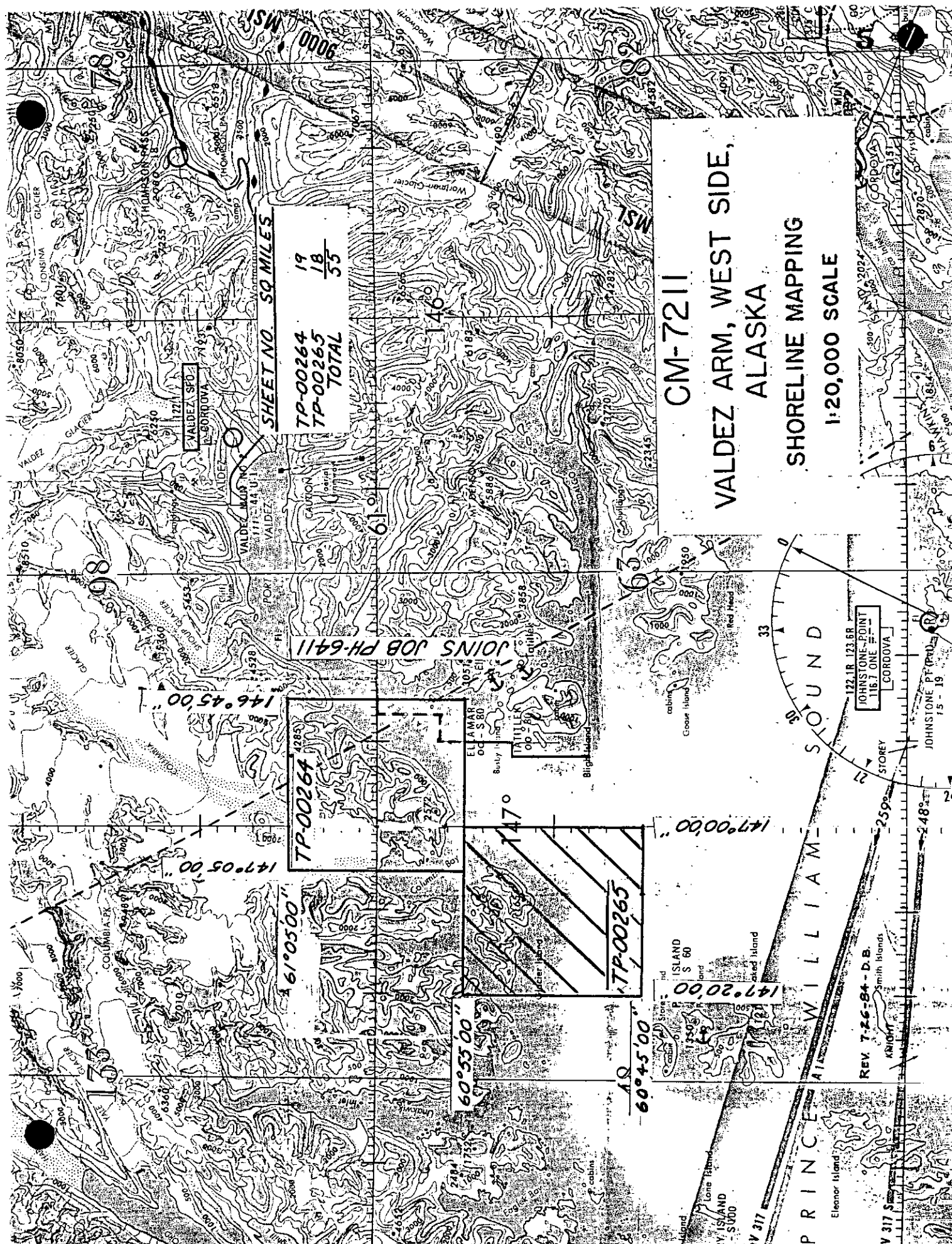
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.  
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
ACCOUNT FOR EXCEPTIONS:  
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: \_\_\_\_\_

## IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	



SHEET NO. 50 MILES

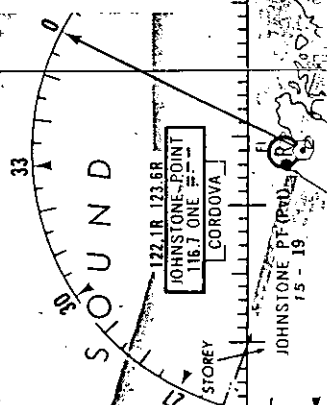
TP-00264	19
TP-00265	18
TOTAL	35

CM-7211  
VALDEZ ARM, WEST SIDE,  
ALASKA  
SHORELINE MAPPING  
1:20,000 SCALE

JOINS JOB PH-6411

TP-00264

TP-00265



REV. 7-26-84 - D.B.

WILLIAM

PRINCE

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT  
TP-00265

This 1:20,000 scale final Class III shoreline map is one of two maps that comprise project CM-7211, Valdez Arm, West Side, Alaska. The project originally included a third 1:20,000 scale map (TP-00263) west of TP-00264, but it was canceled because of incomplete photographic coverage.

The purpose of this map was to provide data in support of hydrographic operations and updating of nautical charts.

This map portrays the entire shoreline of Glacier Island and its numerous bays.

Photo coverage for this map was adequately provided by 1:60,000 scale panchromatic and 1:30,000 scale color photographs taken July 3, 1972. The panchromatic photos were taken with the RC-9 (M) camera and the color photos were taken with the RC-8 (E) camera. The panchromatic photographs were used for aerotriangulation and compilation. The color photographs were ratioed to map scale and used for graphic compilation of shoreline and alongshore detail and for hydro support.

Field work prior to compilation consisted of the recovery, establishment, and identification (premarking) of horizontal control necessary for aerotriangulation. Also, the field party was responsible for assisting in obtaining aerial photography. This activity was performed in June/July 1972.

Analytic aerotriangulation was adequately provided by the Washington Science Center in September 1972. This activity also included ruling the base manuscripts and providing ratio photographs for compilation.

Compilation by interpretation of the mapping photographs was performed at the Coastal Mapping Unit, Atlantic Marine Center in November 1972. Photo-hydro support data involving the original Class III manuscript was forwarded to the hydrographer.

Field edit has not been accomplished for this map.

Final review was performed at the Atlantic Marine Center September 1984. A Chart Maintenance Print was prepared and forwarded to the Marine Chart Branch.

This Descriptive Report contains all pertinent information used to compile this final Class III map. The original base manuscript and related data were forwarded to the Washington Science Center for final registration.

## FIELD INSPECTION

TP-00265

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



PHOTOGRAMMETRIC PLOT REPORT  
Prince William Sound, Alaska  
Valdez Arm, West Side  
Job CM-7211  
September 1972

21. Area Covered

This report pertains to two sheets on the west side of Valdez Arm near the Port of Valdez, Alaska. The sheets covered are TP-00264 and TP-00265 at 1:20,000 scale.

22. Method

One strip (72-M-1280 thru 1288) of 1:60,000 scale panchromatic photography was bridged by analytic aerotriangulation methods. This strip was adjusted to Alaska state plane ground coordinates, zone 3. Points were established for determining ratios of 1:30,000 scale color support photography. Sufficient points for setting models were plotted on the Coradomat.

23. Adequacy of Control

The control was adequate. All points used in the adjustment were unadjusted field positions. Additional control points were plotted on the manuscripts. The positions for YOKE 1947, HEATHER 1947, DICK 1947 and POLE 1947 were from 1960 published data. All other plotted points are from 1970 published data.

24. Supplemental Data

No supplemental data was used.

25. Photography

The photography was adequate.

Respectfully submitted:

*Don O. Norman*

Don O. Norman, Cartographer

Approved and forwarded:

*John D. Perrow Jr.*

John D. Perrow, Jr.  
Acting Chief  
Aerotriangulation Section

174° 05'

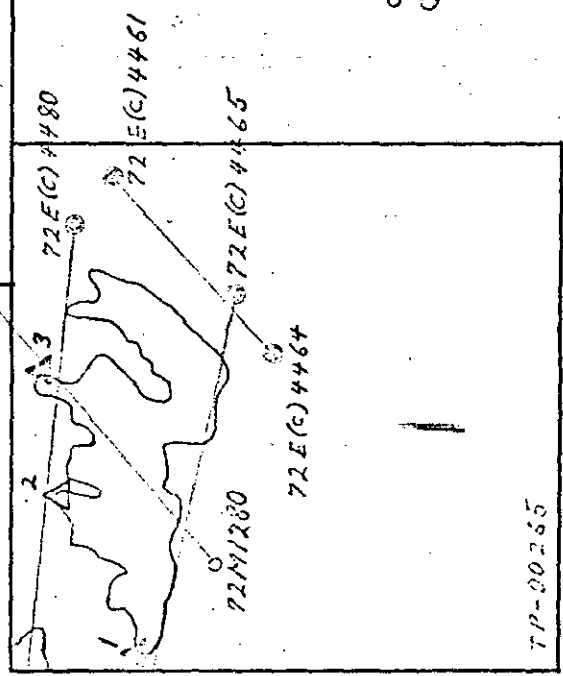
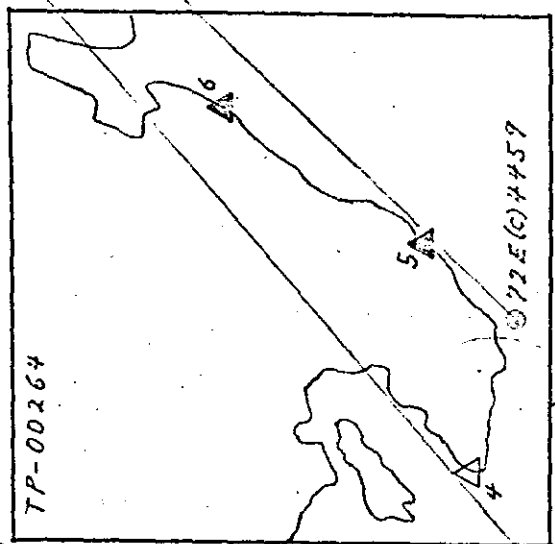
61° 05'

N

72M1288

7

72E(C)4452



- 1 CALL (+0.3 -0.1)
- 2 EXIT (-3.4 +3.2)
- 3 GROWLER (-2.9 +2.3)
- 4 ELF (-3.6 +2.1)
- 5 FRAM (+5.7 -2.1)
- 6 DEVISH (-3.0 -0.4)
- 7 BUNCH (+1.5 -0.6)

AEROTRIANGULATION SKETCH  
PRINCE WILLIAM SOUND, ALASKA  
VALDEZ ARM, WEST SIDE  
CM-7211

September, 1972

o bridging and compilation photography  
o ratio photography

## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-00265	JOB NO. CM-7211	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODEIC DATUM N.A. 1927		GEOGRAPHIC POSITION		REMARKS
				COORDINATES IN FEET STATE <u>Alaska</u> ZONE <u>3</u>		$\phi$ LATITUDE $\lambda$ LONGITUDE		
EXIT, 1951	Field position	81100		X= 285,517.99		$\phi$		
				Y= 2,525,472.91		$\lambda$		
GROWLER, 1972	Field position	82100		X= 301,369.21		$\phi$		
				Y= 2,526,823.52		$\lambda$		
CALL, 1947	G.P. Vol.6 Pg. 49	80100		X=		$\phi$ 60°52'46.279"		
				Y=		$\lambda$ 147°19'22.651"		
POLE, 1947	G.P. Vol.6 Pg. 49	9		X=		$\phi$ 60°54'33.220"		
				Y=		$\lambda$ 147°13'28.728"		
YOKE, 1947	G.P. Vol.6 Pg. 49	1		X=		$\phi$ 60°54'50.039"		
				Y=		$\lambda$ 147°07'53.615"		
FINSKI, 1947	G.P. Vol.6 Pg. 15	10129		X=		$\phi$ 60°53'57.110"		
				Y=		$\lambda$ 147°04'32.333"		
DICK, 1947	G.P. Vol.6 Pg. 48	8		X=		$\phi$ 60°51'09.918"		
				Y=		$\lambda$ 147°08'56.779"		
				X=		$\phi$		
				Y=		$\lambda$		
				X=		$\phi$		
				Y=		$\lambda$		
				X=		$\phi$		
				Y=		$\lambda$		
				X=		$\phi$		
				Y=		$\lambda$		
COMPUTED BY				COMPUTATION CHECKED BY				DATE
LISTED BY A. C. Rauck, Jr.			DATE 10/4/72	LISTING CHECKED BY C. Parker				DATE 10/5/72
								HAND PLOTTING BY

COMPILATION REPORT  
TP-00265

31 - DELINEATION

Delineation was accomplished using stereo instrument and graphic compilation methods. The Wild B-8 stereoplotter was used to delineate shoreline, alongshore and interior detail based upon office interpretation of the 1:60,000 scale bridging/compilation panchromatic photographs.

Color photographs at 1:30,000 scale were ratioed (1.50 times) to map scale and used to graphically delineate some shoreline and alongshore detail.

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

32 - CONTROL

Refer to the Photogrammetric Plot Report dated September 1972.

33 - SUPPLEMENTAL DATA

None.

34 - CONTOURS AND DRAINAGE

Contours are not applicable to this project. Drainage was compiled by office interpretation of the photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

The mean high water line and alongshore details were compiled by instrument and graphic methods as described in item #31.

No mean lower low water line was compiled due to the stages of tide of the compilation photographs being from 4.2 feet to 6.1 feet above mean lower low water.

36 - OFFSHORE DETAILS

Offshore detail was compiled by instrument and graphic methods as described in item #31.

37 - LANDMARKS AND AIDS

There are no charted landmarks or navigational aids within the mapping limits of this manuscript.

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38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

Refer to the Data Record Form 76-36B, Item 5.

40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Plot Report dated September 1972.

46 - COMPARISON WITH EXISTING MAPS

A comparison was made with the following U.S. Geological Survey Quadrangle: Seward (D-1), Alaska, dated 1952, scale 1:63,360.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following U.S. Coast and Geodetic Survey Chart: 8519, 8th edition, dated May 17, 1965, scale 1:79,291.

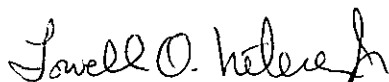
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

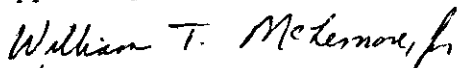
ITEMS TO BE CARRIED FORWARD

None.

Submitted by,

Lowell O. Neterer, Jr.  
Cartographic Technician  
November 14, 1972

Approved,

for  
Albert C. Rauck, Jr.  
Chief, Coastal Mapping Unit, AMC

REVIEW REPORT TP-00265  
SHORELINE

61. GENERAL STATEMENT

Final review for this final Class III map was accomplished at the Atlantic Marine Center in September 1984. For a schedule of the office and field operations, refer to 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 the following U.S.G.S 1:63,360 scale quadrangle: Seward (D-1), Alaska, 1952.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Although contemporary hydrographic surveys H-9388 and H-9382 were accomplished in 1973 in an area common to this map, no comparison was made. These hydrographic surveys were Navigable Area Surveys and contained no shoreline common to this map.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Charts: 16705, scale 1:80,000, 14th edition, dated February 27, 1982; and 16708, scale 1:79,291, 16th edition, dated October 3, 1981.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Submitted by,



Jerry L. Hancock  
Final Reviewer

Approved for forwarding,

*Billy H. Barnes*

Billy H. Barnes  
Chief, Photogrammetric Section, AMC

Approved,

*Robert M. Ladd*

*Robert M. Ladd*  
Chief, Photogrammetric Section, Rockville

*Ronald K. Brewer*

Ronald K. Brewer  
Chief, Photogrammetry Branch,  
Rockville

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7211 (Valdez Arm, West Side, Alaska)

TP-00265

Bull Head

Campbell Bay

Cave Point

Chamberlain Bay

Eagle Bay

Eickelberg Bay

Elder Point

Finski Bay

Finski Point

Glacier Island

Growler Bay

Iceberg Point

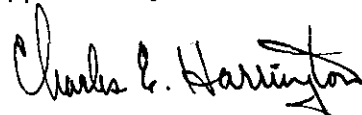
Irish Cove

Jackson Cove

Jackson Hole

Prince William Sound

Approved by:



Charles E. Harrington  
Chief Geographer  
Nautical Charting Division



