NOAA FORM 76-35 (6-80)

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

# DESCRIPTIVE REPORT

	<del></del>
THIS MAP EDITION WILL NOT BE	FIELD EDITED
Map No.	Edition No.
T-12996	11
Job No.	
PH-6411	
Map Classification	
CLASS III (FINAL)	
Type of Survey	
SHORELINE	
LOCALITY	Y
State	
ALASKA	
General Locality	7*
VALDEZ ARM	
Locality	
THE LAGOON	
10 70 30	, 1
19 65 TO 19	7
REGISTERED IN A	RCHIVES
DATE	

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NOAA FORM 76-36A (3-72) U. S. DEPARTMENT OF COMMERCE (3-72) NATIONAL OCEANIC AND ATMOSPHERIC ADMIT	TYPE OF SURVEY SL	T-12996
	1 -	APEDITION NO. (1)
DESCRIPTIVE REPORT - DATA RECORD	RESURVEY MA	APCLASS III (FINAL)
PEGANITATION PARA REGORD		рн. 6411
PHOTOGRAMMETRIC OFFICE	LAST PRECEEDING	
Coastal Mapping Division		
Atlantic Marine Center, Norfolk, VA	TYPE OF SURVEY 10	
OFFICER-IN-CHARGE	1 _ !	AP CLASS
	1 =	JRVEY DATES:
Jeffrey G. Carlen, CDR	REVISED 19	TO 19
I. INSTRUCTIONS DATED		
I. OFFICE Compilation (Prelim. Hydro Support) Dec. 30,196	4 Horizontal Control	
		Julie 3, 1903,
Memo (Proj. Planning) May 28, 1965	(Premarking)	•
Aerotriangulation Sept. 2, 1965 Aerotriangulation (AmendI) Oct. 11, 1965		
Compilation (Suppl. I) Nov. 09, 1965		
Compilation (Amend I) Feb. 07, 1966		
Aerotriangulation Nov. 08, 1966		
Compilation (Amend II) Jan. 09, 1967		
Compilation (Suppl. II) Feb. 07, 1972	<u> </u>	
II. DATUMS		
1. HORIZONTAL: X 1927 NORTH AMERICAN	OTHER (Specify)	•
[57]	OTHER (Specify)	
X MEAN HIGH-WATER		
2. VERTICAL: MEAN LOW-WATER		
MEAN SEA LEVEL		j
3. MAP PROJECTION	4.05	
	4. GRIC	NE
Polyconic Projection	Alaska	3
5. SCALE	<del>                                     </del>	NE J
1:10,000	20	· =
III. HISTORY OF OFFICE OPERATIONS	<u></u>	
OPERATIONS	NAME V Hoisbauch	DATE Nov. 1065
NETHOD: Ch. 1 1 1 ANDWARKS AND ADDROVE	W. Heinbaugh	Nov. 1965
METHOD: Stereoplanigraph LANDMARKS AND AIDS BY	<del></del>	1 1 1000
2. CONTROL AND BRIDGE POINTS PLOTTED BY		March 1966
METHOD: Coradomat CHECKED BY	K. Oldsel	March 1966
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY		May 1966
COMPILATION CHECKED BY		May 1966
INSTRUMENT: Kelsh CONTOURS BY		
SCALE: 1:6,000 CHECKED BY	NA	
4. MANUSCRIPT DELINEATION PLANIMETRY BY	R. Smith	Feb. 1967
CHECKED BY	R. Pate	Feb. 1967
METHOD: Smooth drafted CONTOURS BY		
CHECKED BY	NA	
1:10,000 HYDRO SUPPORT DATA BY	R. Pate	Feb. 1967
SCALE: CHECKED BY	R. Smith	Feb. 1967
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	R. Smith	Feb. 1967
ВУ	1	
6. APPLICATION OF FIELD EDIT DATA CHECKED BY	None	
7. COMPILATION SECTION REVIEW BY	R. Pate	Feb. 1967
8. FINAL REVIEW FINAL CLASS III BY	J. Hancock	July 1984
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY	J. Hancock	Aug. 1984
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	P. Hawkins	nfc 1984
11. MAP REGISTERED - COASTAL SURVEY SECTION BY	R. S. KORN SPAN	FER 1965



NOAA FORM 76-36 A

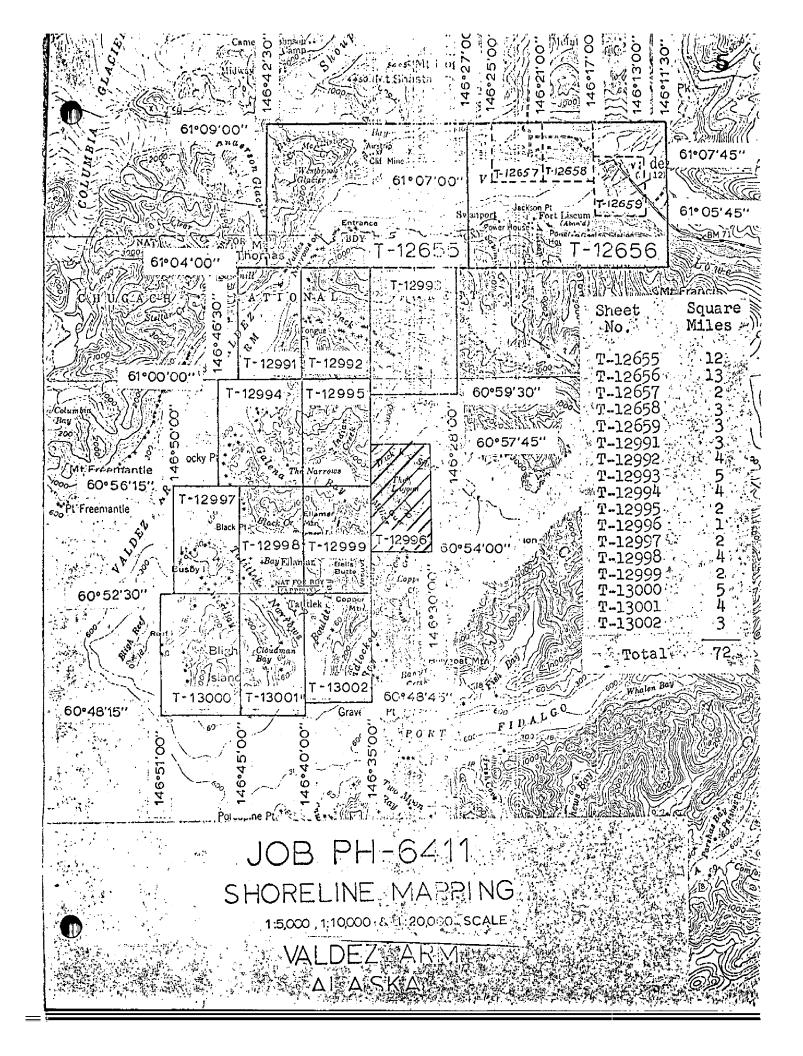
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	ОР	ERATION	NA	ME	DATE
1. CHIEF OF	FIELD PARTY		J. Watki	ing Jr	6/6
		RECOVERED BY	None		<u> </u>
2. HORIZON	TAL CONTROL	ESTABLISHED BY	None		
		PRE-MARKED OR IDENTIFIED BY	None		
		RECOVERED BY	NA NA		
3. VERTICAL	CONTROL	ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA NA		· ····
			None		
4. LANDMAR		ECOVERED (Triangulation Stations) BY  LOCATED (Field Methods) BY	None		
AIDS TO N	AVIGATION	IDENTIFIED BY	None		
		TYPE OF INVESTIGATION			
5. GEOGRAP		COMPLETE			1
14 4 53 1 10	n · 10H	SPECIFIC NAMES ONLY  [X] NO INVESTIGATION			ľ
6. PHOTO IN	SPECTION	CLARIFICATION OF DETAILS BY	None		}
	SES AND LIMITS	SURVEYED OR IDENTIFIED BY	None	. <u>".</u>	
II. SOURCE					
1. HORIZON	TAL CONTROL IDE	NTIFIED	2. VERTICAL CONTE	ROL IDENTIFIED	· · · · · · · · · · · · · · · · · · ·
None			NA		
PHOTO NUM	BER	STATION NAME	PHOTO NUMBER	STATION DES	GNATION
3. PHOTO N	UMBERS (Clerificat	ion of details)			
None					
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None ———					
PHOTO NUM	BER	OBJECT NAME	PHOTO NUMBER	OBJECT!	NAME
5. GEOGRAF	PHIC NAMES:	REPORT X NONE	6. BOUNDARY AND I	LIMITS: REPOF	т 📉 пои
7. SUPPLEM	ENTAL MAPS AND				<b>*F</b>

NOAA FORM 76-36D (3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
T-12996

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I. MANUSC	I. MANUSCRIPT COPIES						
	COI	IPILATION STAGE	s		DATE MANUSCRI	PT FORWARDED	
	DATA COMPILED	DATE	RE	MARKS	MARINE CHARTS	HYDRO SUPPORT	
	ation complete, g field edit.	Feb. 1967	Class	s III ·	June 1966		
	Review Class III ld edit performed	July 1984	Final Clas	ss III Map			
	line detail for th lass III compilati						
II. LANDM	ARKS AND AIDS TO NAVIGA	TION NONE					
1. REP	ORTS TO MARINE CHART DI	VISION, NAUTICAL	DATA BRANCH		41-8-		
NUMBER CHART LETTER DATE REMARKS					i		
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	REPORT TO MARINE CHART						
	REPORT TO AERONAUTICAL		, AERONAUTICAL	L DATA SECTION.	DATE FORWARDED:		
1. E BRIDGING PHOTOGRAPHS; E DUPLICATE BRIDGING REPORT; COMPUTER READOUTS.							
2. [_] 3. [X]	CONTROL STATION IDENTI SOURCE DATA (except for G ACCOUNT FOR EXCEPTION	eographic Names Re	_				
4 🗀	DATA TO FEDERAL RECOR	DS CENTER. DAT	E FORWARDED:			-	
IV. SURVE	Y EDITIONS (This section si	hell be completed ea	ich time a new maj	p edition is register	ed)		
SECOND	SURVEY NUMBER TP -	(2) PH -	R		TYPE OF SURVEY	SURVEY	
EDITION	DATE OF PHOTOGRAPH	Y DATE OF FI	ELD EDIT	On. On	MAP CLASS	FINAL	
	SURVEY NUMBER	JOB NUMBE	R		TYPE OF SURVEY		
THIRD	TP -	(3) PH			<del>,-</del>	SURVEY	
EDITION	DATE OF PHOTOGRAPH		·		MAP CLASS	FINAL	
	SURVEY NUMBER	JOB NUMBE	R		TYPE OF SURVEY		
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EDITION	DAIR OF PROTOGRAPH	DATEOFF	SCO EUII		MAP CLASS	[]EINAL	



# SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT T~12996

This 1:10,000 scale final Class III shoreline map is one of seventeen maps that comprise project PH-6411, Valdez Arm, Alaska. The project consists of two 1:20,000, three 1:5,000 and twelve 1:10,000 scale maps. The project originally pertained to the Port Valdez area but was extended south to include the east shore of Valdez Arm and Tatitlek Narrows.

The purpose of this map was to provide shoreline data in support of hydrographic operations.

This map protrays a small portion of interior shoreline that extends from Galena Bay. This area, known as The Lagoon, appears to be very shallow and has no significant navigational value.

Photo coverage for this map was adequately provided by 1:30,000 scale panchromatic and 1:15,000 scale color photographs. All photography was taken July 6, 1965 with the RC-8 (L) camera. The panchromatic photographs were used for aerotriangulation, compilation, and photo-hydro support. The low altitude color photographs were used to assist the compiler in offshore interpretation.

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 the aerial photography. This activity was performed in June/July 1965.

Analytic aerotriangulation was adequately provided by the Washington Science Center November 3, 1965. This activity also included ruling the base manuscripts and providing ratio photographs for compilation.

Compilation by interpretation of the 1:30,000 scale photographs was performed at the Coastal Mapping Section, Atlantic Marine Center, May 1966. Color contact photographs at 1:15,000 scale were used to assist in the interpretation of offshore features. Photo-hydro support data involving the original Class III manuscript was forwarded to the hydrographer.

Field edit was not accomplished for this map.

Final review was performed at the Atlantic Marine Center July 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 manuscripts and related data were forwarded to the Washington Science Center for final registration.

# FIELD INSPECTION

# T-12996

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.

Project 21423(4) Valdez, Alaska June, 1965

All horizontal control stations required for photo control were identified with the exception of CROMBIE, 1941 (T-12656). This station was on a high ridge still covered with considerable snow. Identification would probably have been doubtful. Station FILL (temporary) was established by tellurometer traverse and its substitute stations are identifiable on the same flight line of photographs that would cover CROMBIE. Station PIT (temporary) was determined by triangulation methods. Stations PIT and FILL replaces VALDEZ SOUTHEAST BASE, 1941 and VALDEZ NORTHWEST BASE, 1941.

Station MAS (temporary) (t-12655) was determined by triangulation intersection methods. Station SPIT 2 (temp.) was determined by triangulation methods to replace station SPIT, 1901.

Station HUT 3, 1965 was identified in lieu of station HUT 2 which was reported lost. The unadjusted field position was not available at the time of identification as the geodetic party had only recently occupied the station.

Submitted:

Robert B. Melby

Approved:

John B. Wal

Chief of Party

Project 21423(11)
Tatilek Narrows, Alaska
June 1965

All horizontal control stations required for photo control were identified and paneled. Two new stations were located by triangulation intersection methods and six by closed loop tellurometer traverse.

Station MAS (temp.) was located and its position is submitted with the Valdez, Alaska field data, project 21423(4). The recovery note for HUT3, 1965 was also submitted with the Valdez field data.

Submitted:

Roll

Robert B. Melby

Approved:

John B. Watkins, Jr., CDR, C&GS

Comdg., Ship HODGSON

Photogrammetric Plot Report Tatitlek Narrows, Alaska Job PH-6411

# 21. Area Covered

•	ZI. Alea Ooveled
	The project covers the east shore of Valdez Arm and all of
<b>5.</b>	Tatitlek Narrows area. The T-sheets in this area are: T-1200]
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	Six bridges were run on the stereoplanigraphs and adjusted by
	IBM 1.620 methods. All tie points between strips were averaged. Tie points were also established in the area of Port Valdez
	(1) Throng were also established to the area of Fort values
T	

#### 26. Plotting Constants

Plotting constants for 1:10,000 scale manuscripts were provided for all bridge points.

# 27. Ratios

Ratios for 1:10,000 scale photography were provided for all strips.

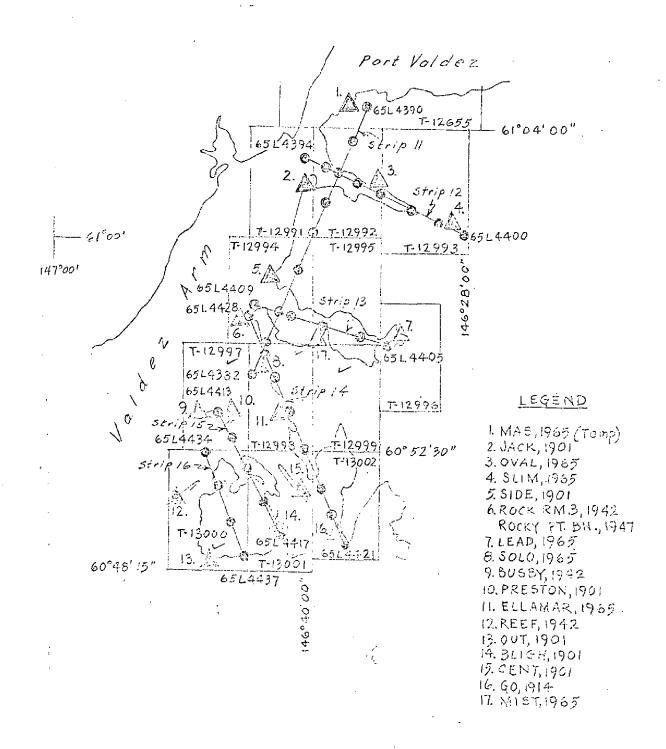
Submitted by:

Wallace Heinbaugh

Wallace Heinbaugh

November 3, 1965

Approved by:



TATITLEK NARROWS, KLASKA

Hav. 1965

NOAA FORM 76-41				0.5.0	U.S. DEPARTMENT OF COMMERCE
(5/-9)		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		MOSPHERIC ADMINISTRATION
MAP NO. T-12996	1 JOB NO. PH-6411		GEODETIC DATUM 1927	ORIGINATING	Osstal Mapping
			1	GEOGRAPHIC POSITION	_L
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	(Index)	NUMBER	ZONE	λ LONGITUDE	
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COMPUTED BY		DATE	COMPUTATION CHECKED BY		DATE
LISTED BY		DATE	LISTING CHECKED BY		DATE
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE
		SUPERSEDES NO	ERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE	H IS OBSOLETE.	



# COMPILATION REPORT T-12996

#### 31 - DELINEATION

Delineation was accomplished using stereo instrument compilation methods. The Kelsh plotter was used to delineate shoreline, alongshore and interior detail based upon office interpretation of the 1:30,000 scale bridging/compilation panchromatic photographs.

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 November 3, 1965.

#### 33 - SUPPLEMENTAL DATA

Color contact photographs 65 L(C) 4516, 4517 were provided at 1:15,000 scale to assist in the interpretation of alongshore and offshore details.

# 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 was compiled from office interpretation of the compilation photographs. Shallow, ledge and foul limits were delineated as an aid to the hydrographer and should be evaluated during field edit.

No mean lower low water line was compiled due to the stage of tide of the compilation photographs being 4.7 feet above MLLW.

# 36 - OFFSHORE DETAILS

Offshore detail was compiled by instrument methods as described in item #31. Offshore rocks are to be verified by the field editor.

#### 37 - LANDMARKS AND AIDS

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

#### 38 - CONTROL FOR FUTURE SURVEYS

None.



#### T-12996

# 39 - JUNCTIONS

Junctions are in agreement with T-12995 and T-12999 to the west. There are no contemporary surveys to the north, east and south.

# 40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Plot Report dated November 3, 1965.

# 46 - COMPARISON WITH EXISTING MAPS

A comparison was made with the following USGS Quadrangle: Cordova (D-7), Alaska, scale 1:63,360, dated 1952.

# 47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following National Ocean Service Chart: 8519, scale 1:79,291, 8th edition, dated May 17, 1965.

# ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

# ITEMS TO BE CARRIED FORWARD

None.

Submitted by,

Jeny Horneold for R. Smith Cartographer

February 1967

Approved,

A Albert C. Rauck, Jr.

Jeny L. Harwich

Chief, Coastal Mapping Section, AMC

# REVIEW REPORT T-12996 SHORELINE

# 61. GENERAL STATEMENT

Final review for this final Class III Map was accomplished at the Atlantic Marine Center in June 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 USGS Quadrangle Cordova (D-7), Alaska, 1:63,360 scale, dated 1952.

# 64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

No hydrographic survey was performed in the area common to this map.

#### 65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with NOS Charts:16708, scale 1:79,291, 16th edition, dated October 3, 1981; and 16707, 1:40,000 scale, 3rd edition, dated February 27, 1982.

# 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

Bott X. Ban

Chief, Photogrammetric Section, AMC

Approved,

lef, Photogrammetric Section, Rockville

Chief, Photogrammetry Branch

Rockville

# GEOGRAPHIC NAMES

# FINAL NAME SHEET

PH-6411 (Valdez Arm - Tatitlek Narrows, Alaska)

TP-12996

Duck River

The Lagoon

Approved by:

Charles E. Harrington Chief Geographer

Nautical Charting Division

#### **NAUTICAL CHART DIVISION**

# **RECORD OF APPLICATION TO CHARTS**

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

# **INSTRUCTIONS**

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart 1. Letter all information.

2. In "Remarks" column cross out words that do not apply.

3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Re-

CHART	DATE	CARTOGRAPHER	REMARKS
	,		Full Part Before After Verification Review Inspection Signed Vi
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Vi
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