T-12997

T-12997

NOAA FORM 76-35
(6-80)

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

DESCRIPTIVE REPORT

Map No.	*Edition No.*
T-12997	1

Job No.
PH-6411

Map Classification
CLASS III (FINAL), (PARTIALLY FIELD EDITED)

Type of Survey
SHORELINE

LOCALITY

State
ALASKA

General Locality
VALDEZ ARM

Locality
BUSBY ISLAND

19 65 TO 19

REGISTERED IN ARCHIVES

DATE

*U.S. GOVERNMENT PRINTING OFFICE 1980-665-115

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

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: [X] ORIGINAL [ ] RESURVEY [ ] REVISED

SURVEY TA-12997

MAP EDITION NO. (1)

MAP CLASS III(FINAL)

JOB PH6411

PHOTOGRAMMETRIC OFFICE: Coastal Mapping Division, Atlantic Marine Center, Norfolk, VA

OFFICER-IN-CHARGE: Jeffrey G, Carlen, Cdr.

LAST PRECEEDING MAP EDITION

TYPE OF SURVEY: [ ] ORIGINAL [ ] RESURVEY [ ] REVISED

JOB PH-

MAP CLASS

SURVEY DATES: 19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE		2. FIELD	
Compilation (Pre Hydro Support)	Dec.30,1964	Horizontal Control (Premarking)	June 3, 1965
Memo (Project Planning)	May 28,1965		
Aerotriangulation	Sept.2,1965		
Aerotriangulation (Amend I)	Oct.11,1965		
Compilation (Supp. I)	Nov. 9,1965		
Compilation (Amend I	Feb. 7,1966		
Aerotriangulation	Nov. 8,1966		
Compilation (Amend II)	Jan. 9,1967		
Compilation (Supp. II)	Feb. 7,1972		

II. DATUMS

1. HORIZONTAL: [X] 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [X] MEAN HIGH-WATER [ ] MEAN LOW-WATER [ ] MEAN LOWER LOW-WATER [ ] MEAN SEA LEVEL — OTHER (Specify)

3. MAP PROJECTION: Polyconic Projection

4. GRID(S): STATE: Alaska; ZONE: 3

5. SCALE: 1:10,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION	BY	W. Heinbaugh	Nov. 1965
METHOD: Stereoplanigraph	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	A. Roundtree	Nov. 1965
METHOD: Coradomat	CHECKED BY	R. Kornspan	Nov. 1965
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	B. Barnes	May 1966
	CHECKED BY	L. Neterer	May 1966
INSTRUMENT: Wild B-8	CONTOURS BY	NA	
SCALE: 1:15,000	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	B. Barnes	May 1966
	CHECKED BY	L. Neterer	May 1966
METHOD: Smooth Drafted	CONTOURS BY	NA	
	CHECKED BY	NA	
SCALE: 1:10,000	HYDRO SUPPORT DATA BY	B. Barnes	May 1966
	CHECKED BY	L. Neterer	May 1966
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	L. Neterer	May 1966
6. APPLICATION OF FIELD EDIT DATA (Partial Field Edit)	BY	C. Bishop	Nov. 1966
	CHECKED BY	A. Rauck	Nov. 1966
7. COMPILATION SECTION REVIEW Advanced Class III	BY	A. Rauck	Nov. 1966
8. FINAL REVIEW Final Class III	BY	W. McLemore/J. Hancock	July 1984
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	J. Hancock	Aug. 1984
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	P. Hawkins	DEC 1984
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R.S. KORNSPAN	FEB 1985

NOAA FORM 76-36A — SUPERSEDES FORM C&GS 181 SERIES

*U.S. GOVERNMENT PRINTING OFFICE-1977-765-092

NOAA FORM 76-36B
(3-72)

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

T-12997

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC-8 "L" (L=152.21mm)

TIDE STAGE REFERENCE
- [X] PREDICTED TIDES
- [ ] REFERENCE STATION RECORDS
- [ ] TIDE CONTROLLED PHOTOGRAPHY

TYPES OF PHOTOGRAPHY LEGEND
- (C) COLOR
- (P) PANCHROMATIC
- (I) INFRARED

TIME REFERENCE
ZONE: Alaska — [X] STANDARD
MERIDIAN: 150th — [ ] DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
65 L(P) 4413 - 4414	July 6,1965	09:32	1:30,000	4.5 feet above MLLW
65 L(P) 4426 - 4427	July 6,1965	09:40	1:30,000	4.3 feet above MLLW
				Mean Tide Range = 9.5 Ft.

REMARKS Compilation/bridging photographs based on predicted tide data area referenced to reference station Cordova, Alaska and subordinate station Snug Corner Cove, Port Fidalgo, Alaska.

2. SOURCE OF MEAN HIGH-WATER LINE:

The Mean High Water Line was compiled from office interpretation of the above listed compilation/bridging panchromatic photogrphs using stereo instrument 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
H-8901	1966	Registered			
H-9384	1973	Registered			

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
T-12994	T-12998	T-13000	No Survey

REMARKS

*U.S. GOVERNMENT PRINTING OFFICE:1977-765-092

NOAA FORM 76-36C
(3-72)

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

T-12997

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION (Premarking) ☐ FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		J. Watkins, Jr.	June 1965
2. HORIZONTAL CONTROL	RECOVERED BY	R. Melby	June 1965
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	R. Melby	June 1965
3. VERTICAL CONTROL	RECOVERED BY	NA	
	ESTABLISHED BY	NA	
	PRE-MARKED OR IDENTIFIED BY	NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED *(Triangulation Stations)* BY	R. Melby	June 1965
	LOCATED *(Field Methods)* BY	None	
	IDENTIFIED BY	None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ 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

NA

PHOTO NUMBER	STATION NAME
65L(P)4414	PRESTON, 1901 (Paneled direct)
65L(P)4414	BUSBY, 1942 (Paneled direct)

PHOTO NUMBER	STATION DESIGNATION

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 ☒ NONE

6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

2 Forms 152 (CSI cards), Field Report (2 pages)

☆ U.S. GPO: 1977-765-092/1105 Region 6

NOAA FORM 76-36C
(3-72)

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

T-12997

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION (Partial)

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY (USC&GS Ship Hodgson)		Commanding Officer	Aug. 1966
2. HORIZONTAL CONTROL	RECOVERED BY	None	
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	None	
3. VERTICAL CONTROL	RECOVERED BY	NA	
	ESTABLISHED BY	NA	
	PRE-MARKED OR IDENTIFIED BY	NA	
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 ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ 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

None

2. VERTICAL CONTROL IDENTIFIED

NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

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 ☒ NONE

6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

1 Paper Field Edit Print, Field Edit Report (remarks)

☆ U.S. GPO: 1977-765-092/1105 Region 6

NOAA FORM 76-36D
(3-72)

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

T-12997

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete, pending field edit	May 1966	Class III Manuscript	June 1966	June 1966
Partial field edit applied Compilation complete.	Nov. 1966	Advanced Class III	Nov. 1966	Nov. 1966
Final Review, Class III	July 1984	Final Class III Map		

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

(Pages) NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
None			

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:

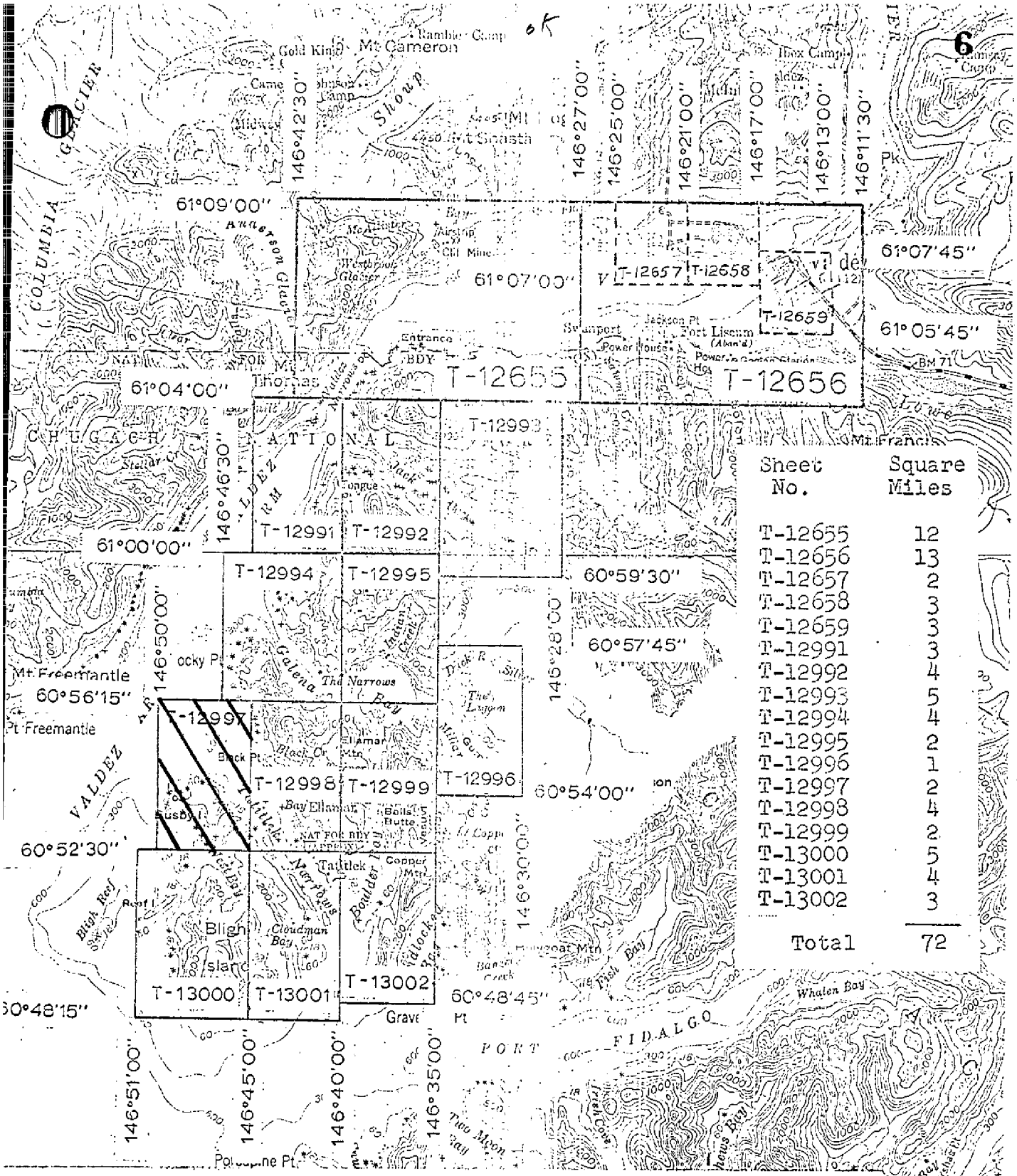
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH- _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL

NOAA FORM 76-36D

*U.S. GOVERNMENT PRINTING OFFICE:1977-765-092



Sheet No.	Square Miles
T-12655	12
T-12656	13
T-12657	2
T-12658	3
T-12659	3
T-12991	3
T-12992	4
T-12993	5
T-12994	4
T-12995	2
T-12996	1
T-12997	2
T-12998	4
T-12999	2
T-13000	5
T-13001	4
T-13002	3
Total	72

JOB PH-6411

SHORELINE MAPPING

1:5,000, 1:10,000 & 1:20,000 SCALE

VALDEZ ARM

ALASKA

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT
T-12997

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 portrays the northwest limit of Tatitlek Narrows and features the entire shoreline of Busby Island.

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 aerotrigulation. 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 conducted August 1966 by the hydrographic party assigned to the USC&GS Ship Hodgson. The area of field edit performed was limited to the parameters of hydrographic survey H-8901. This partial field edit data was returned to the coastal mapping office and applied to the manuscript in November 1966. A copy of the advanced Class III manuscript was forwarded to the hydrographic processing unit for smooth sheet application.

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 manuscript and related data were forwarded to the Washington Science Center for final registration.

FIELD INSPECTION

T-12997

There was no field inspection prior to the compilation of the map. Field work accomplished was limited to the recovery 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:

JBW
Robert B. Melby

Approved:

John B. Watkins
John B. Watkins, Jr.
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). T he recovery note for HUT3, 1965 was also submitted with the Valdez field data.

Submitted:

RBM

Robert B. Melby

Approved:

JBW

John B. Watkins, Jr., CDR, C&GS
Comdg., Ship HODGSON

Photogrammetric Plot Report
Tatitlek Narrows, Alaska
Job PH-6411

21. Area Covered

The project covers the east shore of Valdez Arm and all of Tatitlek Narrows area. The T-sheets in this area are: T-12991 through 12999 and T-13000 through T-13002.

22. Method

Six bridges were run on the stereoplanigraphs and adjusted by IBM 1620 methods. All tie points between strips were averaged. Tie points were also established in the area of Port Valdez Bay; to be bridged at a later date.

23. Adequacy of Control

The premarked control provided was adequate with the exception of BUSBY, 1942. The panels at this station blended into the background on the black and white photograph and could not be seen. The overhang and shadows of trees also made it difficult to see Busby Island Lt., 1947, which was in the immediate vicinity of BUSBY, 1942.

Strip #12 was based on a three point solution using stations JACK, 1901, OVAL, 1965 and SLIM, 1965. Stations OVAL and SLIM were established with very slim angles and no means of checking their accuracy was available. Although adjustment held all three stations with small errors of closure, an error may still exist in the area of Jacks Bay.

All additional control held within National Map Accuracy Standards for 1:10,000 scale mapping.

24. Supplemental Data

USGS Quads, Cordova D-8 and Valdez A-8, scale 1:63,360 were used to provide baisc vertical control for bridging operations.

25. Photography

Photography was adequate in coverage, overlap and definition.

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.

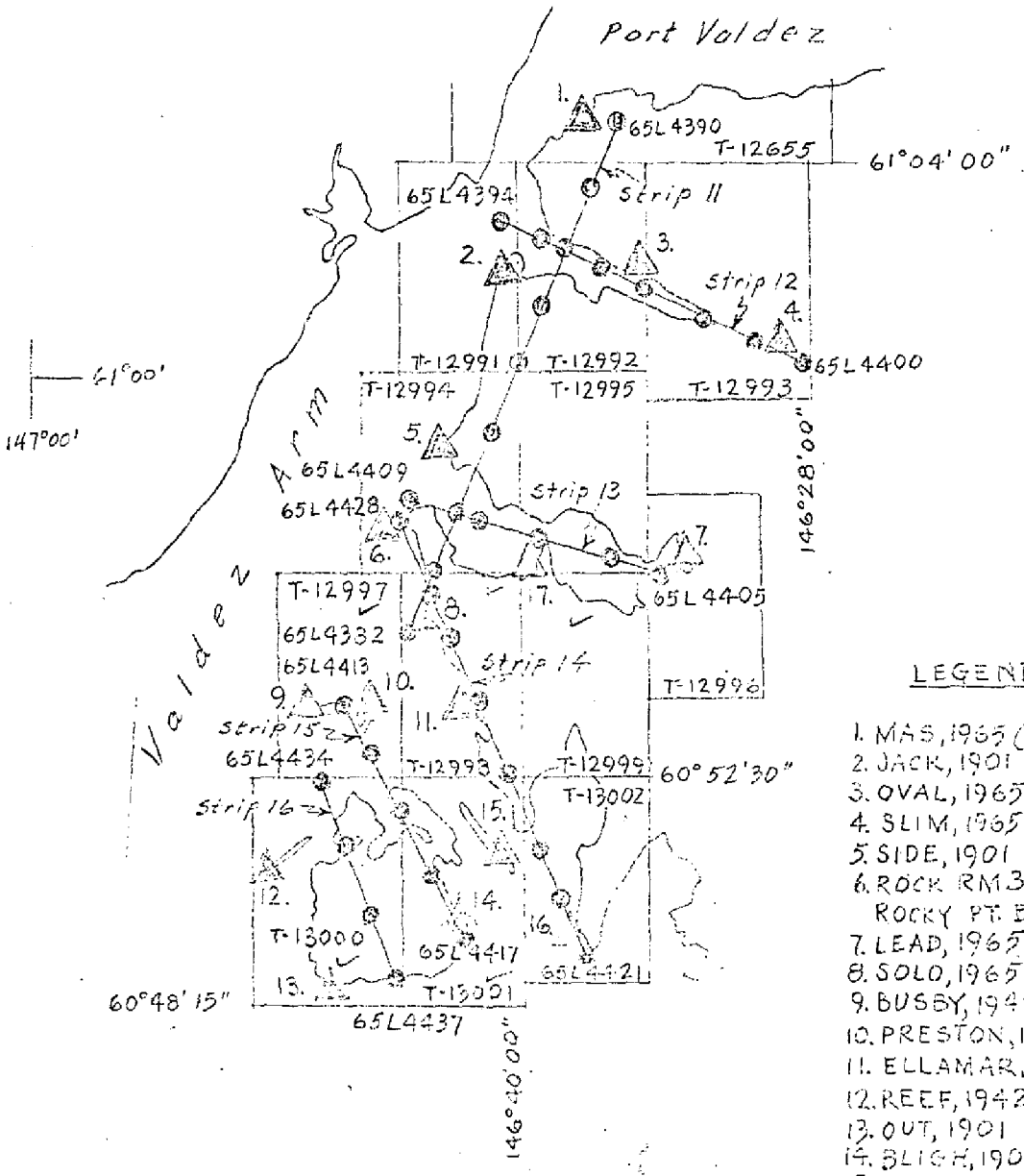
Submitted by:

Wallace Heinbaugh

November 3, 1965

Approved by:

John D. Perrow, Jr.



LEGEND

1. MAS, 1965 (Temp)
2. JACK, 1901
3. OVAL, 1965
4. SLIM, 1965
5. SIDE, 1901
6. ROCK RM 3, 1942
   ROCKY PT. BN., 1947
7. LEAD, 1965
8. SOLO, 1965
9. BUSBY, 1942
10. PRESTON, 1901
11. ELLAMAR, 1965
12. REEF, 1942
13. OUT, 1901
14. BLIGH, 1901
15. CENT, 1901
16. GO, 1914
17. MIST, 1965

TATITLEK HARBORS, ALASKA

PH-5411

Nov. 1965

NOAA FORM 76-41
(6-75)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
T-12997	PH-6411	NA 1927	Coastal Mapping Division, AMC Norfolk, VA

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET (STATE Alaska, ZONE 3)	GEOGRAPHIC POSITION (φ LATITUDE, λ LONGITUDE)	REMARKS Feet Forward	Feet Back
BUSBY, 1942	Quad.60146 Pg. 2		x= 354,866.15	φ	4866.2	133.8
			y= 2,520,312.63	λ	312.6	4687.4
BUSBY ISLAND LIGHT, 1947	Quad 60146 Pg. 2		x= 354,867.99	φ	4868.0	132.0
			y= 2,520,306.00	λ	306.0	4694.0
PRESTON, 1901	Quad 60146 Pg 13		x= 361,864.25	φ	1864.3	3135.7
			y= 2,521,012.22	λ	1012.2	3987.8
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
B. Barnes	5/20/66	A Santillan	5/20/66
LISTED BY	DATE	LISTING CHECKED BY	DATE
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

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

COMPILATION REPORT
T-12997

31 - DELINEATION

Delineation was accomplished using stereo instrument compilation methods. The Wild B-8 stereoplotter 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) 4503 - 4504, 4530 - 4533, 4580 - 4584, 4616 - 4619 provided at 1:15,000 scale were used to assist in the interpretation of alongshore and offshore detail.

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 4.3 and 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 not charted landmarks and one charted navigational aid (BUSBY ISLAND LIGHT) within the mapping limits of this manuscript. The 1947 triangulation position of this light was verified photogrammetrically. The position of this light should be verified by the field editor.

38 - CONTROL FOR FUTURE SURVEYS

None.

T-12997

39 - JUNCTIONS

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

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 U.S. Geological Survey Quadrangle: Cordova (D-8), Alaska, scale 1:63,360, dated 1952.

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,

Gerry L. Harcock
for B. Barnes
Cartographic Aid
May 1966

Approved,

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

ADDENDUM TO THE COMPILATION REPORT
T-12997

FIELD EDIT

Partial field edit was performed on this map in August 1966. All field edit notes were made on the field edit paper print. Field edit was accomplished only within the hydrographic project limits as shown on the field edit paper print.

Busby Island Light was not addressed as it was not within the hydrographic project limits. Shallow, ledge and foul limits that were delineated as an aid to the hydrographer were not evaluated during field edit. There was no field verification of any rocks performed.

Chief, Photogrammetry Division

October 27, 1966

CFS236

Commanding Officer
USC&GS Ship HODGSON

Field edit, project PH-6411

Submitted under seperate cover are field edit ozalids and photographs for subject project.

You will note that not all of the area covered by its maps was edited. Only the area within the hydrographic survey project limits was accomplished.

Hydrographic signals were located by photogrammetric methods and transferred from the photographs to the cronoflex theme to the boat sheet. As per project instructions all of these locations were final. Cronoflex with these signals have been retained for use in plotting the smooth sheet.

* It is requested that final shoreline for the smooth sheet, in the area edited, be furnished by January 15, 1967.

John B. Watkins, Jr.

CC: CFS2

* A2

IF YOU CANT MAKE THIS ONE
LET ME KNOW.

AR
11/2/66

Sheet T-12997

Field edit notes are found on the attached field ozalid. Only the area within the hydrographic project were edit as shown.

Control recovery was accomplished in 1965 and appropriate cards submitted

Sheet T-12998

Field edit notes are found on the attached field ozalid. Field inspection was made only within the hydrographic project limits as shown.

Two dolphins not shown on the manuscript were located at Lat. 60°53' 47.5, Long. 146°42'08.0" and Lat. 60°53'31.5", Long. 146°42'06.0" during the hydrographic survey. This date from "A" day, sheet HO-10-1-66.

All control was recovered during the 1965 season and appropriate cards submitted.

Sheet T-12999

Field edit notes are found on the attached field edit ozalid. Edit was made only within the hydrographic project limits, these limits are shown on the ozalid.

Sheet T-13000

No field edit accomplished,as this was not within the hydrographic project limits.

Sheet T-13001

Field edit notes are found on the field edit ozalid attached. Field edit was made only within the area of the hydrographic surveys, these limits are shown on the ozalid.

Two Two rocks awash were found at Lat. 60°49'51.0" Long. 146°41'43.5" and Lat. 60°49'48.0" Long. 146°41'54.0" and have 2 feet and ½ foot at MLLW respectively. This data from D day, sheet HO-10-2-66.

All control recovery was accomplished during the 1965 field season and appropriate recovery cards submitted at that time.

REVIEW REPORT T-12997
SHORELINE

61. GENERAL STATEMENT

Final review for this final Class III map was accomplished at the Atlantic Marine Center in July 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. Quadrangle: Cordova (D-8), Alaska, dated 1952, scale 1:63,360.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with registered copies of the following contemporary hydrographic surveys: H-8901, 1:10,000 scale, field surveyed October 1966; and H-9384, 1:10,000 scale, field surveyed July-August 1973.

Partial field edit of the shoreline map was accomplished by the hydrographer to that area common to the hydrographic survey limits of H-8901. Field edit was applied by the Coastal Mapping Section and a copy of the advanced Class III map was forwarded to the hydrographic processing office for smooth sheet application.

During the original compilation, various shallow, ledge and foul limits were delineated as advisory information to the hydrographer. None of these limits were deleted or verified during field edit. Most of the limits were removed during final review. A few foul limits were retained where the photographs indicated areas of dense rocks.

65. COMPARISON WITH NAUTICAL CHARTS

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

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

Jerry L. Hancock
Final Reviewer

Approved for forwarding,

Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved,

Chief, Photogrammetric Section, Rockville

Ronald K. Brewer
Chief, Photogrammetry Branch
Rockville

June 11, 1984

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-12997

Bligh Island

Busby Island

Tatitlek Narrows

Valdez Arm

Approved by:

Charles E. Harrington

Charles E. Harrington
Chief Geographer
Nautical Charting Division

C&GS FORM 567
(11-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

orig. to Rockville

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE REVISED~~
~~TO BE DELETED~~
} STRIKE OUT TWO

Atlantic Marine Center, May 20, 1966

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.

The positions given have been checked after listing by B.H. Barnes

J.Bull, Director, AMC *Chief of Party*

STATE: ALASKA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	POSITION LATITUDE* ″ D.M. METERS	POSITION LONGITUDE* ° ′	POSITION LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION Verification	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	PRINCE WILLIAM SOUND												
	VALDEZ ARM												
LIGHT	(BUSBY ISLAND LIGHT, 1947)		60 53	45.334 1803.2	146 48	53.867 812.3	N.A. 1927	TRIANG. T-12997	1965		x		8519

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 landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be 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 16234-P61

FORM C&GS-8352
(3-28-63)

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 Rev

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

FORM C&GS-8352 SUPERSEDES ALL EDITIONS OF FORM C&GS-975.

USCOMM-DC 8558-P63