

T-12911

ORIGINAL

T-12911

NOAA FORM 76-35	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Shoreline
Job No.	PH-6415
Map No.	T-12911
Classification No.	Edition No. ..1
Field Edited Map	
LOCALITY	
State	Alaska
General Locality	Knight Island Passage
Locality	Discovery Point
.....	
<div style="border: 1px solid black; padding: 2px; display: inline-block;"> 1965 TO 1975 </div>	
REGISTRY IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY XX T-12911 MAP EDITION NO. (1) MAP CLASS Final JOB PH. 6415	
DESCRIPTIVE REPORT - DATA RECORD		LAST PRECEDING MAP EDITION			
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Atlantic Marine Center, Norfolk, Virginia		TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	
OFFICER-IN-CHARGE Jeffrey G. Carlen, Cdr.					
I. INSTRUCTIONS DATED					
I. OFFICE			2. FIELD		
Verbal					
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 checked="" type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)			
3. MAP PROJECTION Polyconic		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 METHOD: Analytic LANDMARKS AND AIDS BY		G. M. Ball		1/66	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: CHECKED BY					
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 SCALE: CHECKED BY		Atlantic Marine Center		1/77	
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Smooth Drafting SCALE: 1:10,000 HYDRO SUPPORT DATA BY CHECKED BY					
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY					
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY		J. R. Minton		6/77	
7. COMPILATION SECTION REVIEW BY		L. O. Neterer		6/77	
8. FINAL REVIEW BY		L. O. Neterer		6/77	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		C. H. Bishop		7/77	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		C. H. Bishop		7/77	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		J. B. Phillips R. T. Catler		7/77 8/77	

T-12911
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY																	
CAMERA(S)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE													
TIDE STAGE REFERENCE		(C) COLOR <input checked="" type="checkbox"/> (P) PANCHROMATIC (I) INFRARED	ZONE		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT												
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY			Alaska - Hawaii														
		MERIDIAN 150th															
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE													
65 L(P) 3230 thru 3234 65 L(P) 4115 thru 4119	6/22/65 7/05/65	10:10	1:30,000 1:15,000	1.1 ft. above MLLW													
REMARKS																	
<p>2. SOURCE OF MEAN HIGH-WATER LINE:</p> <p style="margin-left: 40px;">Office interpretation of the photographs.</p>																	
<p>3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:</p> <p style="margin-left: 40px;">Office interpretation of the photographs.</p>																	
<p>4. CONTEMPORARY HYDROGRAPHIC SURVEYS <i>(List only those surveys that are sources for photogrammetric survey information.)</i></p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">SURVEY NUMBER</th> <th style="text-align: center;">DATE(S)</th> <th style="text-align: center;">SURVEY COPY USED</th> <th style="text-align: center;">SURVEY NUMBER</th> <th style="text-align: center;">DATE(S)</th> <th style="text-align: center;">SURVEY COPY USED</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED						
SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED												
<p>5. FINAL JUNCTIONS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">NORTH</th> <th style="text-align: center;">EAST</th> <th style="text-align: center;">SOUTH</th> <th style="text-align: center;">WEST</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">No Contemporary Survey</td> <td style="text-align: center;">No Survey</td> <td style="text-align: center;">T-12912</td> <td style="text-align: center;">No Contemporary Survey</td> </tr> </tbody> </table>						NORTH	EAST	SOUTH	WEST	No Contemporary Survey	No Survey	T-12912	No Contemporary Survey				
NORTH	EAST	SOUTH	WEST														
No Contemporary Survey	No Survey	T-12912	No Contemporary Survey														
REMARKS																	

T-12911

HISTORY OF FIELD OPERATIONS

I. FIELD INSPECTION OPERATION FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	M. H. Fleming	5/75
2. HORIZONTAL CONTROL RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA	
	NA	
	NA	
3. VERTICAL CONTROL RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA	
	NA	
	NA	
4. LANDMARKS AND AIDS TO NAVIGATION RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	NA	
	NA	
	NA	
5. GEOGRAPHIC NAMES INVESTIGATION TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION		
6. PHOTO INSPECTION CLARIFICATION OF DETAILS BY	D. J. Tennesen	5/75
7. BOUNDARIES AND LIMITS SURVEYED OR IDENTIFIED BY	NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED: None
2. VERTICAL CONTROL IDENTIFIED: None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

65 L(P) 4115 thru 4119

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)

Field Edit Report
Field Edit Ozalid

T-12911
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.	1/75	Class III Superseded		
Field edit applied. Compilation complete.	6/77	Class I Superseded		
Final Review	7/77	Final	7/13/77	

II. LANDMARKS AND AIDS TO NAVIGATION

1. 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: _____

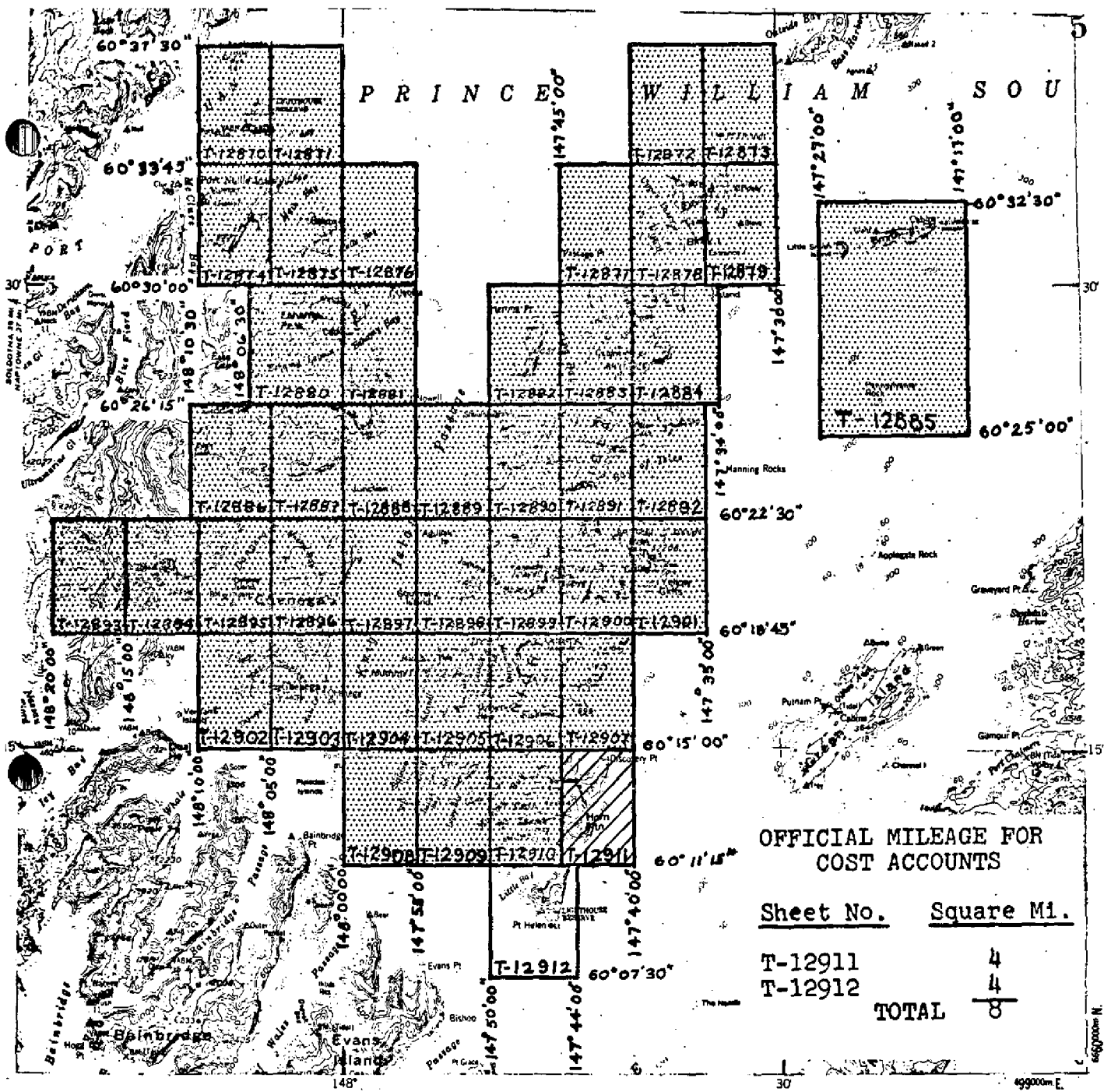
III. FEDERAL RECORDS CENTER DATA

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



OFFICIAL MILEAGE FOR
COST ACCOUNTS

Sheet No.	Square Mi.
T-12911	4
T-12912	4
TOTAL	8

**JOB PH-6415
KNIGHT ISLAND PASSAGE**

**ICY BAY TO
PORT NELLIE JUAN**

ALASKA

**1:10,000 & 1:20,000 SCALE
SHORELINE MAPPING**

Note:
All sheets except T-12911 and 12912
are cancelled, per memo Chief, Coastal
Mapping Division, dated July 9, 1975

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORTS T-12911 and T-12912

These maps are the only surveys in Project PH-6415 that were compiled; the remaining maps were cancelled (letter C3421 dated August 6, 1975). They are 1:10,000 scale shoreline surveys and were used to furnish shoreline for a Navy Amphibious Training Chart Survey. At the time the maps were compiled, the need was urgent. Compilation instructions were issued by telephone. No data records were kept and no compilation reports were written. At the time of final review, no bridging photographs and no photographs with pass points were available.

Field work before compilation consisted of premarking horizontal control required for bridging.

Compilation was done at the Atlantic Marine Center in January 1975.

Field edit was done in May 1975 by the Ship DAVIDSON and applied to the manuscripts by the Coastal Mapping Section at the Atlantic Marine Center in June 1977.

Final review was done at the Atlantic Marine Center in July 1977.

The original maps were compiled on vinylite sheets. T-12911 is 3' 45" in latitude by 5' in longitude; T-12912 is 3' 45" in latitude by 6' in longitude.

The original manuscripts were forwarded for processing a positive film copy of each map for filing in the Archives, one reproduction negative of each map for filing in the Reproduction Branch, and two negatives of each map for forwarding to the Photo Map and Imagery Information Section for dispersal.

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FIELD INSPECTION REPORT
(T-12911
in support of the

MONTAGUE ISLAND AMPHIBIOUS TRAINING CHART SURVEY
SP-PMC-4-DA-75

INTRODUCTION

The area covered by this report is that of Knight Island from Snug Harbor in the north to Hogan Bay in the south. The area is rocky sedimentary coastline, cliffs and steep forested hillside inshore, and numerous kelp and rocky areas offshore.

METHODS

A field ozalid work copy was taken into the field for this inspection. Special attention was paid to locating additional seaward hazards to navigation and foreshore classification. Any features noted as additions to the field edit ozalid were located with respect to recognizable local features identified on the photographs. A cursory inspection, in accordance with project instructions, was made of the apparent MHHW line and the tree-vegetation line.

RECOMMENDATIONS

All foreshore features are now classified, and all additional navigation hazards have been located.

Photogrammetric compilation is in general excellent, and the approximate MLLW, MHHW, and vegetation line should be accepted as adequate for use on the chart.

Submitted by:

David J. Tennesen
David J. Tennesen, ENS NOAA

Approved by:

Michael H. Fleming
M. H. Fleming, CDR NOAA
Chief of Party

Photogrammetric Plot Report No. 1
Project PH-6415
Knight Island Passage - Icy Bay
to Port Nellie Juan, Alaska

January 1966

21. Area Covered

This report covers an area of Alaska, from Point Helen on the southern tip of Knight Island northward along the eastern coastline to Point Eleanor on the northern tip of Eleanor Island; in addition the offshore island, named, Seal Island. It is a portion of the total project covering all or part of surveys T-12873, T-12878, T-12879, T-12884, T-12885, T-12891, T-12892, T-12900, T-12901, T-12907, T-12911, and T-12912.

22. Method

Analytic aerotriangulation methods were used to bridge one strip of photography at the scale of 1:30,000 (Strip #1) and one strip at the scale of 1:15,000 (Strip #2). Analog methods were employed to set up a single model, at the scale of 1:10,000 (Strip #3) on Seal Island.

The attached sketch of strips bridged shows the placement of horizontal control used in the final adjustment of Strip #1. Strip #2 was adjusted solely on tie points established from the final adjustment of Strip #1. Strip #3 was adjusted by straight line methods.

Closures to control (Strip #1) and to the tie points (Strip #2 to Strip #1) have been tabulated. The compilation office has been furnished positions for each point of Strips #1 and #2 to be plotted at the scale of 1:10,000; Strip #3 values have been computed at the scale of 1:20,000. Plain coordinates have been furnished for all points with their values computed on Alaska, Zone 3.

23. Adequacy of Control

Horizontal control (premarked targets) identified and required for our adjustment was slightly above our minimum requirements, however, the twelve sheets can be compiled to meet the National Standards of Map Accuracy.

23. Adequacy of Control, cont.

Two of the seven targets (SHELF, 1933 and ISLE (TEMP.), 1964) were not visible on the film or in the STK-1. In the final adjustment triangulation station, FLOWER, 1905, used as a "floater" in order to check our bridging accuracy; the bridge position differed by +3.8 feet in x and by -1.8 feet in y from the published position of this station.

24. Supplemental Data

Numerous U.S.G.S. quadrangles were used to obtain elevations required for the final horizontal and vertical adjustments.

25. Photography

The photography was good with regard to coverage, overlap and image definition.

Submitted by:


George M. Ball

Approved by:


Henry P. Eichert

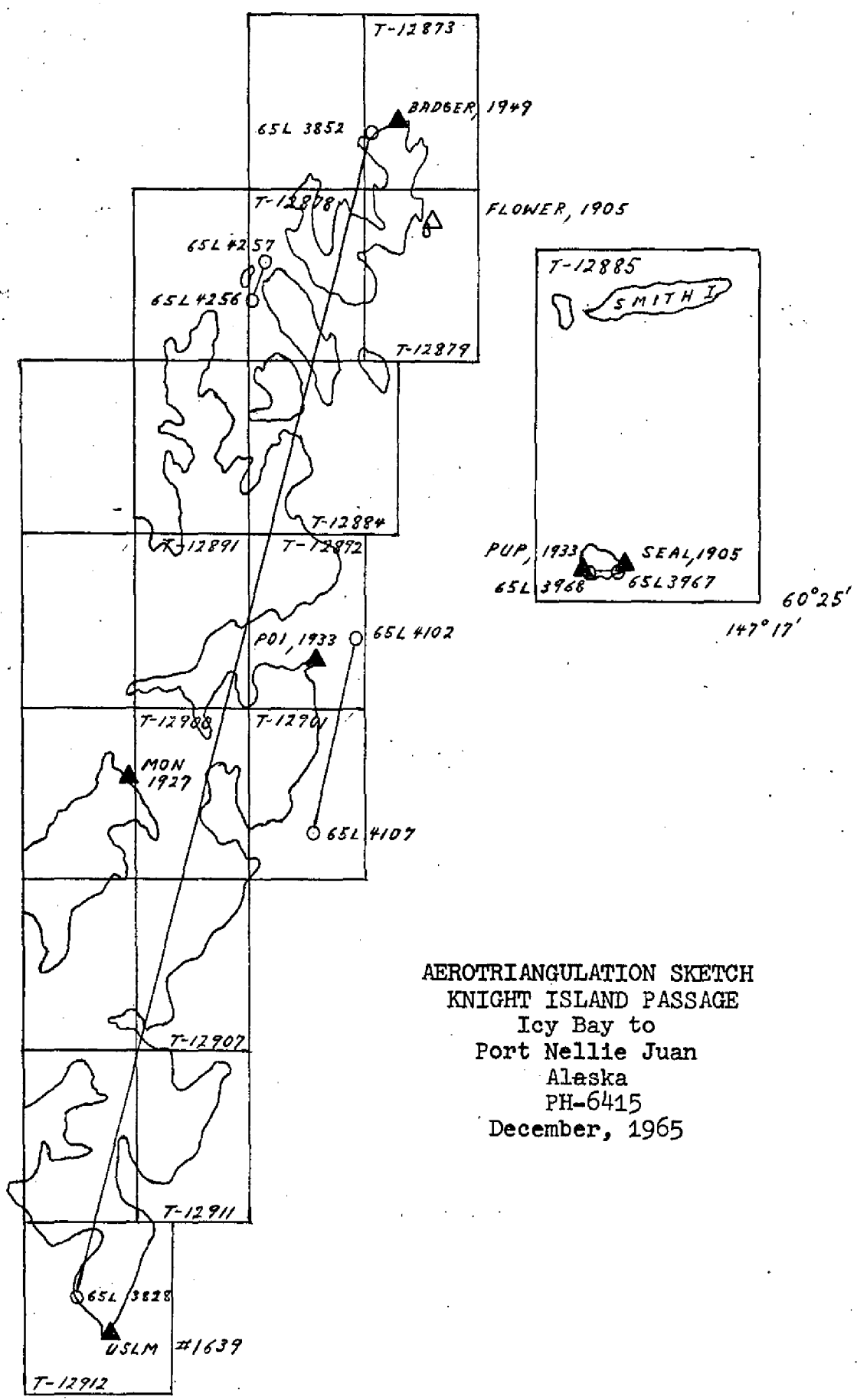
CLOSURES TO CONTROL AND TIE POINTS

STRIP #1

USLM #1639, 1926	SS	(-1.0	-6.9)
	RM	(-0.2	-0.0)
MON, 1927	SS	(+0.5	-0.6)
POI, 1933		(-0.5	+0.5)
FLOWER, 1905		(+3.8	-1.8) "floater"
BADGER, 1949		(+0.1	-0.1)

STRIP #2

Ties to Strip #1			
40501	{	+0.7	+0.6)
40502	{	-1.5	-1.2)
38503	{	+0.1	+1.8)
39501	{	+3.2	+0.4)
38501	{	+4.1	-1.0)
38502	{	-6.5	-0.9)



AEROTRIANGULATION SKETCH
 KNIGHT ISLAND PASSAGE
 Icy Bay to
 Port Nellie Juan
 Alaska
 PH-6415
 December, 1965

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6415 (Knight Island Passage, Alaska)

T-12912

Hogan Bay

Knight Island

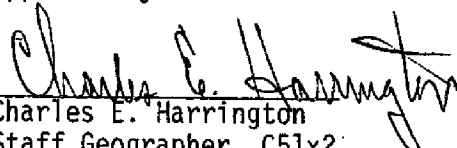
Knight Island Passage

Little Bay

Montague Strait

Point Helen

Approved by:


Charles E. Harrington
Staff Geographer, C51x2

REVIEW REPORT

T-12911

61. GENERAL STATEMENT:

Part of Hogan Bay, which was compiled in the left margin of the map, was inadvertently removed when the map was prepared for final review.

See Summary, which is Page 6 of this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

None.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

USGS Quadrangle SEWARD (A-2), ALASKA, 1:63,360 scale, dated 1951. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

None.

65. COMPARISON WITH NAUTICAL CHARTS:

A visual comparison was made with Chart 16701 (8515), 1:81,436 scale, 11th edition, dated March 10, 1973, corrected through Notice to Mariners dated June 28, 1975. No significant differences were noted.

A visual comparison was also made with Chart 16700 (8551), 1:200,000 scale, 17th edition, dated September 18, 1976. A charted wreck south of Discovery Point at approximate Lat. $60^{\circ} 13.8'$, Long. $147^{\circ} 42.2'$ is not visible on the photographs and was not located by the field editor.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

No statement can be made about compliance with instructions; no written instructions are available. It is apparent from Item 23, "Adequacy of Control", in the Photogrammetric Plot Report and examination of this manuscript that this map meets Bureau Standards and the National Standards of Map Accuracy.

Submitted:

Charles H. Bishop

Charles H. Bishop
Cartographer
July 6, 1977

Approved for forwarding:

Joseph W. Vonasek

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

W. H. ...

Chief, Photogrammetric Branch

James ...

Chief, Coastal Mapping Division