

T-13377

ORIGINAL

T-13377

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-6909..... Map No. .T-13377.....

Classification No. Final Edition No. ....1.....

Field Edited Map

### LOCALITY

State ..... Alaska .....

General Locality ..... Sumner Strait .....

Locality ..... Rookery Islands .....

1969 TO 1975

### REGISTRY IN ARCHIVES

DATE .....

<b>NOAA FORM 76-36A</b> (3-72)		<b>U. S. DEPARTMENT OF COMMERCE</b> NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.																			
<b>DESCRIPTIVE REPORT - DATA RECORD</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">TYPE OF SURVEY</td> </tr> <tr> <td><input checked="" type="checkbox"/> ORIGINAL</td> <td></td> </tr> <tr> <td><input type="checkbox"/> RESURVEY</td> <td></td> </tr> <tr> <td><input type="checkbox"/> REVISED</td> <td></td> </tr> </table>		TYPE OF SURVEY		<input checked="" type="checkbox"/> ORIGINAL		<input type="checkbox"/> RESURVEY		<input type="checkbox"/> REVISED											
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PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, AMC Norfolk, Va.		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">SURVEY <b>T-13377</b></td> </tr> <tr> <td colspan="2">MAP EDITION NO. <b>(1)</b></td> </tr> <tr> <td colspan="2">MAP CLASS <b>Final</b></td> </tr> <tr> <td colspan="2">JOB <b>PH-6909</b></td> </tr> </table>		SURVEY <b>T-13377</b>		MAP EDITION NO. <b>(1)</b>		MAP CLASS <b>Final</b>		JOB <b>PH-6909</b>											
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OFFICER-IN-CHARGE  J. Carlen, CDR/NOAA		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">LAST PRECEDING MAP EDITION</td> </tr> <tr> <td colspan="2">TYPE OF SURVEY</td> </tr> <tr> <td><input type="checkbox"/> ORIGINAL</td> <td></td> </tr> <tr> <td><input type="checkbox"/> RESURVEY</td> <td></td> </tr> <tr> <td><input type="checkbox"/> REVISED</td> <td></td> </tr> <tr> <td colspan="2">JOB <b>PH-</b> _____</td> </tr> <tr> <td colspan="2">MAP CLASS _____</td> </tr> <tr> <td colspan="2">SURVEY DATES:</td> </tr> <tr> <td colspan="2">19__ TO 19__</td> </tr> </table>		LAST PRECEDING MAP EDITION		TYPE OF SURVEY		<input type="checkbox"/> ORIGINAL		<input type="checkbox"/> RESURVEY		<input type="checkbox"/> REVISED		JOB <b>PH-</b> _____		MAP CLASS _____		SURVEY DATES:		19__ TO 19__	
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JOB <b>PH-</b> _____																					
MAP CLASS _____																					
SURVEY DATES:																					
19__ TO 19__																					
<b>I. INSTRUCTIONS DATED</b>																					
1. OFFICE		2. FIELD																			
Aerotriangulation      October 2, 1969 Compilation              September 14, 1970 Compilation              November 6, 1970 Compilation Amend I    November 20, 1970		Premarking                      May 14, 1969																			
<b>II. DATUMS</b>																					
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) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">STATE Alaska</td> <td style="width: 50%;">ZONE 1</td> </tr> <tr> <td>STATE</td> <td>ZONE</td> </tr> </table>		STATE Alaska	ZONE 1	STATE	ZONE														
STATE Alaska	ZONE 1																				
STATE	ZONE																				
5. SCALE 1:10,000																					
<b>III. HISTORY OF OFFICE OPERATIONS</b>																					
OPERATIONS		NAME	DATE																		
1. AEROTRIANGULATION BY METHOD: Analytic.      LANDMARKS AND AIDS BY		R. Moses	Aug 1970																		
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat      CHECKED BY		P. Dempsey	Sept 1970																		
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION              CHECKED BY INSTRUMENT: Wild B-8 SCALE: 1:15,000      CONTOURS BY		A. L. Shands	Jan 1971																		
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Smooth drafted SCALE: 1:10,000      CONTOURS BY CHECKED BY HYDRO SUPPORT DATA BY		F. Margiotta	Jan 1971																		
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		L. Graves	Feb 1971																		
6. APPLICATION OF FIELD EDIT DATA BY		J. Minton	Jul 1975																		
7. COMPILATION SECTION REVIEW BY		F. Gustafson, A.L.Shands	Nov 1975																		
8. FINAL REVIEW BY		A. L. Shands	Nov 1979																		
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		A. L. SHANDS	DEC 1979																		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		F. R. WATTS	FEB 1980																		
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		E. L. DAUGHERTY	JUN 1980																		

NOAA FORM 76-36B  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYT-13377  
COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC8 "E" and "K"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Pacific	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 120th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
69E(C) 944 - 995	8/5/69	12:40PST	1:30,000	4.4 ft. above MLLW	
69E(C) 2009	8/24/69	12:23PST	1:20,000	8.2 ft. above MLLW	
69K(I) 3723 & 3724	7/18/69	10:04PST	1:20,000	0.7 ft. below MLLW	

## REMARKS

Subord. Sta. LEVEL ISLAND, SUMNER STRAIT, ALASKA, MEAN RANGE: 12.6 Ft.

## 2. SOURCE OF MEAN HIGH-WATER LINE:

From the above list of photographs.

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

From the above list of photographs.

## 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 No survey	EAST T-13378	SOUTH TP-00564 and TP-00565 CM-7206	WEST T-13376
REMARKS			

NOAA FORM 76-36C  
(3-72)

T-13377

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

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Moses	Jun 1969
2. HORIZONTAL CONTROL	RECOVERED BY None	
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
3. VERTICAL CONTROL	RECOVERED BY None	
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
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 BY	
	<input type="checkbox"/> SPECIFIC NAMES ONLY	
	<input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY None	
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)

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)

None

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

## HISTORY OF FIELD OPERATIONS

1. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	M. Fleming	Sept 1975
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
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	None None 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	D. Eilers
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

## 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)  69K(I) 3724 & 69K(I) 2010			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED  None			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
5. GEOGRAPHIC NAMES: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE	
7. SUPPLEMENTAL MAPS AND PLANS  None			
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division) 1-Field Edit Report 1-Field Edit Ozalid			

NOAA FORM 76-36C  
(3-72)

NOAA FORM 76-36C  
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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

T-13377

## HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	G. Saladin	Aug 1971
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
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	H. Herz, S. Young None H. Herz, S. Young
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input checked="" type="checkbox"/> SPECIFIC NAMES ONLY <input type="checkbox"/> NO INVESTIGATION	G. Saladin
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	H. Herz, S. Young
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

## 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)

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)

1-Field Edit Report

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	Jan 1971	Class III manuscript <del>Class III manuscript</del>	3/30/71	2/19/71
Field edit applied Compilation Complete.	Nov 1974	Class I manuscript	None	8/8/74
Final Review	Nov 1979	Final	<del>4-4-80</del> <del>Dec 1979</del>	

## II. LANDMARKS AND AIDS TO NAVIGATION

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

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		7/29/74	Aid to be Charted

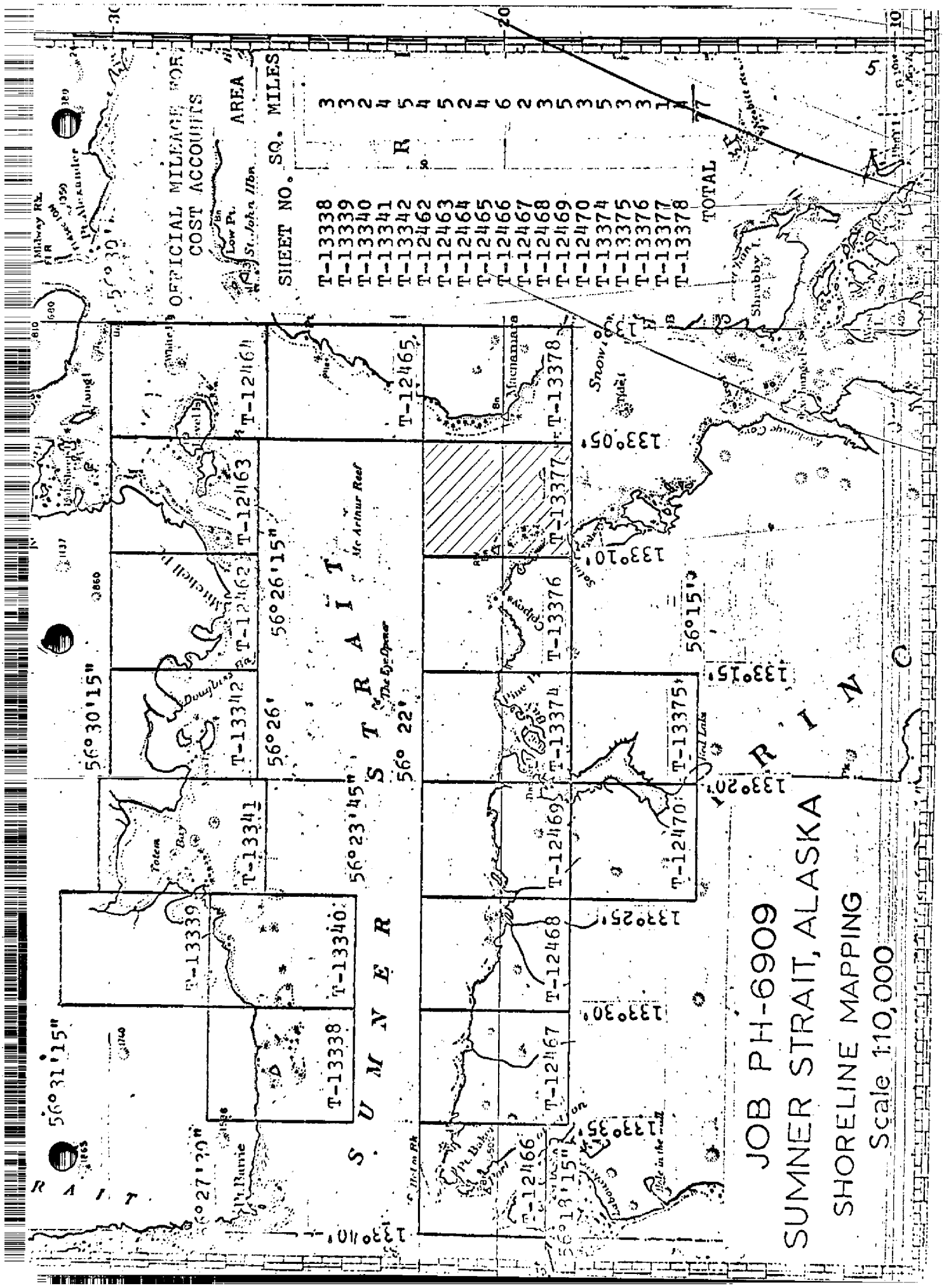
2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 7/29/74  
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORTS; ☒ COMPUTER READOUTS.  
2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS. 1-4 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 WORK  
 COST ACCOUNTS

AREA

SHEET NO. SQ. MILES

T-13338	3
T-13339	3
T-13340	2
T-13341	4
T-13342	5
T-12462	4
T-12463	5
T-12464	2
T-12465	4
T-12466	6
T-12467	2
T-12468	3
T-12469	5
T-12470	3
T-13374	5
T-13375	3
T-13376	3
T-13377	3
T-13378	1
TOTAL	77

TOTAL

SUMMARY TO ACCOMPANY T-12462 THRU T-12470,  
T-13338 Thru T-13342 and T-13374 Thru T-13378

This summary covers Project PH-6909 consisting of nineteen standard shoreline maps covering the area of Sumner Strait. The purpose of this job was to provide support for hydrographic operations conducted in the area during the 1971 and 1972 field seasons. Each map is 1:10,000 scale.

Photography of the area was flown during the summer of 1969. Flights of 1:60,000 and 1:30,000 scale color photography were flown for use in aerotriangulation and stereo instrument compilation. Tandem flights of 1:20,000 scale color and black and white infrared were used to supplement the instrument compilation photography.

There was no field inspection. Prior to compilation field work consisted of the recovery and identification of horizontal control for bridging which was conducted at the Rockville Office in April, 1970, by analytic methods.

All maps were compiled at the Atlantic Marine Center with the Wild B-8 stereoplotter. Shingle Island on T-13341 and Vichnefski Rock and White Rock on T-12464 were compiled graphically using control established in the bridge supplemented by control established in B-8 stereo models.

Field Edit was done for all maps in summer of 1971. Much of that data for the seven easternmost maps, T-12462 - T-12465 and T-13376, T-13378 was lost.

These maps were re-edited in the summer of 1975. Edit was applied to all maps at the Atlantic Marine Center.

Final review was performed at the Atlantic Marine Center. All pertinent data was forwarded to <sup>the</sup> Rockville, Maryland, office for reproduction and final registration.

## FIELD INSPECTION

T-13377

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

Aerotriangulation Report  
PH-6909  
Sumner Strait, Alaska

April 29, 1970

21. Area Covered

This report covers T sheets 12462 through 12470, T sheets 13338 through 13342 and T sheets 13374 through 13378 of Sumner Strait, Alaska, at 1:10,000 scale.

22. Method

Three strips of 1:60,000 scale color photography were bridged by analytical methods to provide horizontal control, compilation and ratio points for 1:30,000 scale photography. The attached sketch of the strips bridged shows the placement of triangulation used in the strip adjustment. A list of closures to control is part of this report. Positions of all compilation points (i.e. 900 points) and control stations have been plotted on the manuscripts by the Coradi, on the Alaska Zone 1 plane coordinate system.

23. Adequacy of Control

The horizontal control provided was adequate except for SPIT, 1927. The strip adjustment showed an error of -15 feet in the x direction. The adjacent project Keku Strait, Alaska, PH-6206 which used SPIT, 1927, also showed an error of -15 feet in the x direction. The reason for not obtaining a better closure is not known. Six tie points were used to augment datum tie between strip 1 of Sumner Strait and strips 1 and 11 of Keku Strait. Tie points were averaged between the three strips.

All other control held well within the accuracy required by National Standards of Map Accuracy at 1:10,000 scale.

24. Supplemental Data

U. S. Geological Survey quadrangles were used to provide elevations for vertical adjustment of the bridges.

-2-

25. Photography

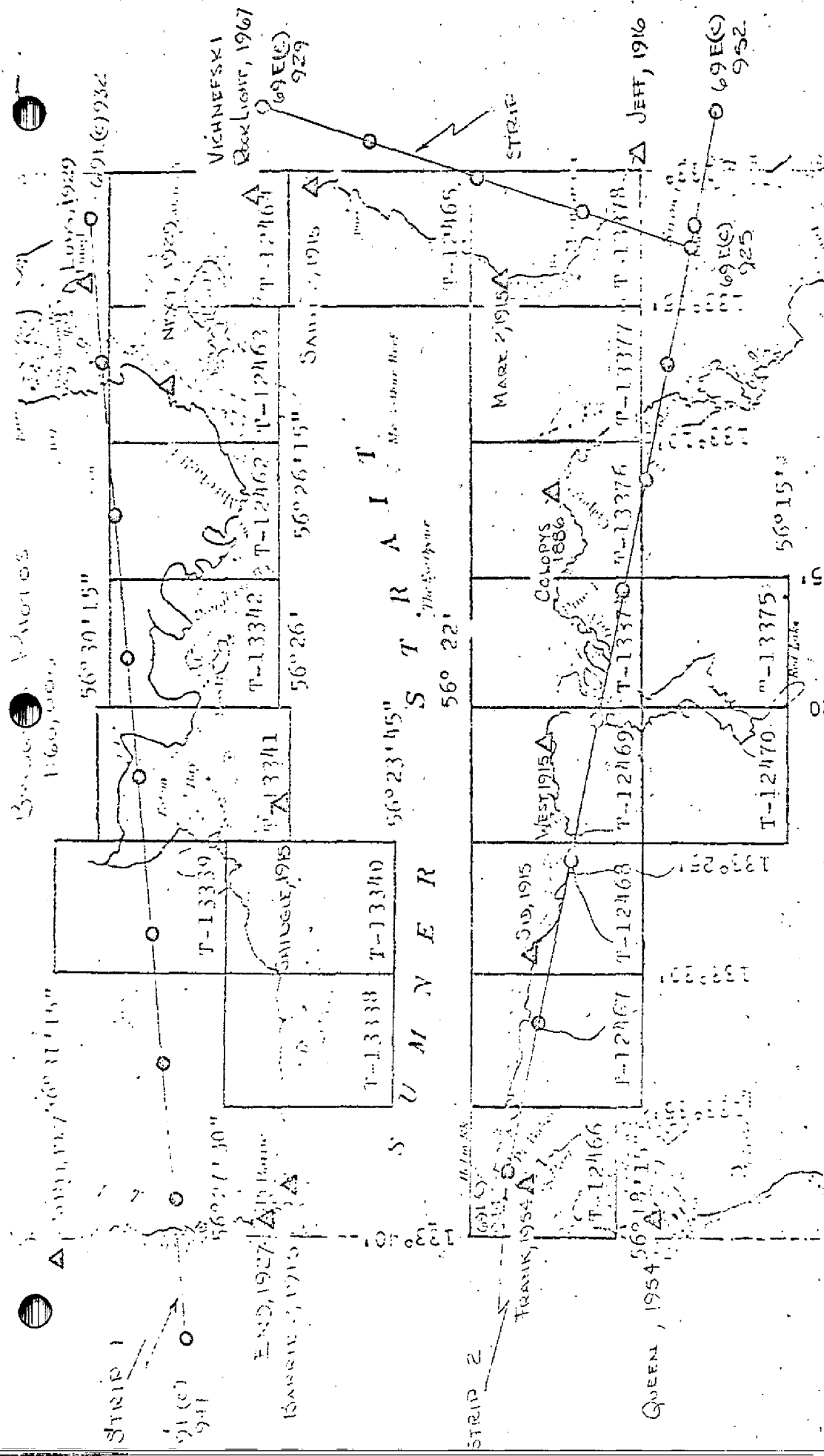
Photography was adequate as to coverage, overlap and definition.

Submitted by,

*Robert B. Kelly*  
Robert B. Kelly

Approved and forwarded,

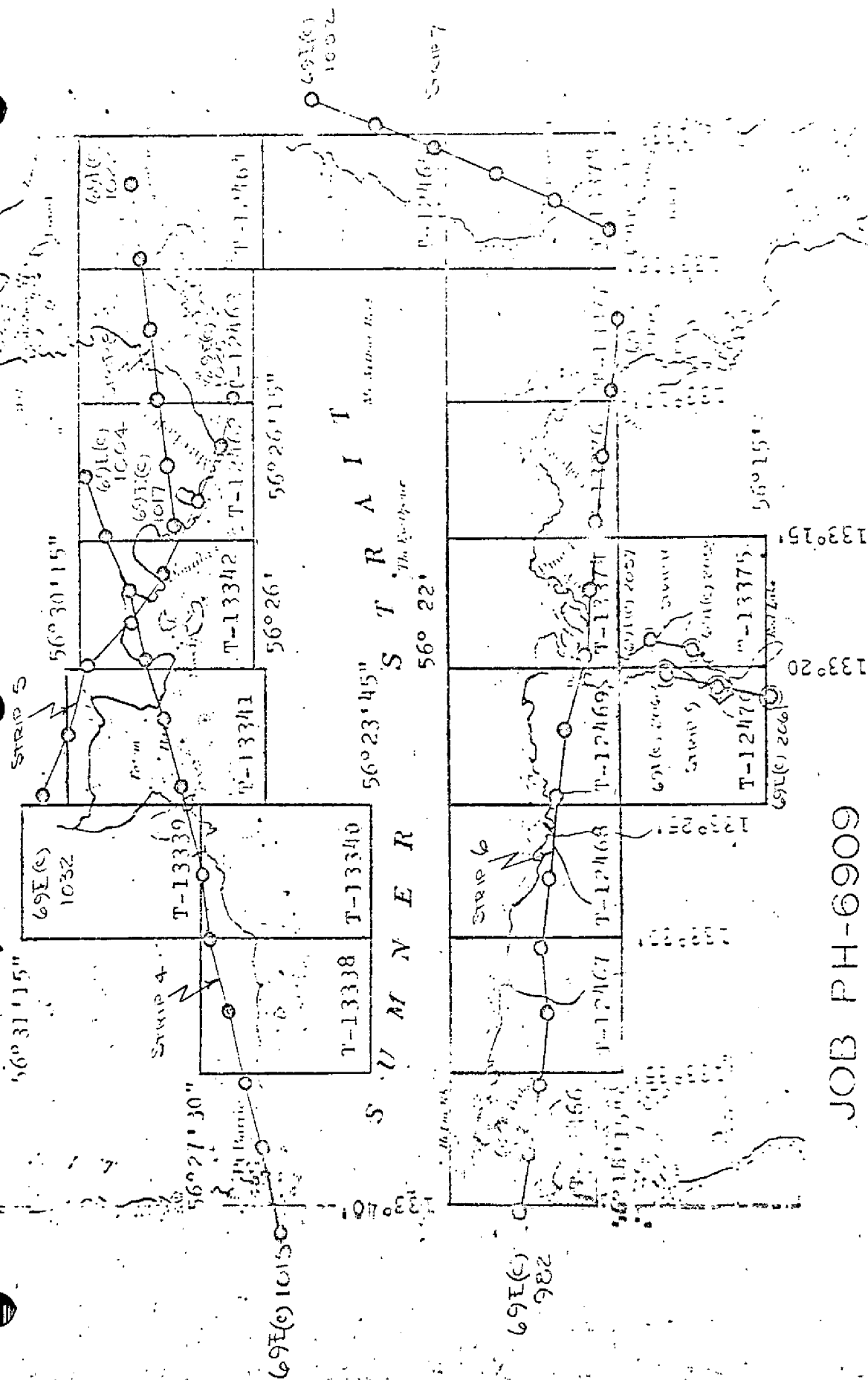
*Henry P. Eichert*  
Henry P. Eichert  
Chief, Aerotriangulation  
Section



JOB PH-6909  
SUMNER STRAIT, ALASKA

CHORELINE MAPPING  
Scale 110,000

# COMPILED PHOTOS



JOB PH-6909

SUMNER STRAIT, ALASKA

CHORTLINE MAPPING

Scale 110,000

## LEGEND

- Δ CONTROL USED IN ADJUSTMENT  
 ( ) CLOSURES OF BRIDGE TO CONTROL SHOWN IN PARENTHESES  
 Δ CONTROL USED AS CHECK.

## STRIP 1

- Δ LONG, 1929 (-0.9, +1.1) F.A.  
 Δ NEXT, 1929 (+1.0, -1.9)  
 Δ SHINGUE, 1915 (0.0, +1.0)  
 Δ BARRIE 2, 1915 (+0.9, -3.3)  
 Δ END, 1927 (+0.3, -0.4)

## STRIP 2

- Δ FRANK, 1954 (0.0, -0.5)  
 Δ QUEEN, 1954 (-0.5, +1.0)  
 Δ SID, 1915 (+0.1, +0.5)  
 Δ WEST, 1915 (-0.5, +0.8)  
 Δ COLPOYS, 1886 (+0.2, -1.4)  
 Δ JEFF, 1916 (-0.5, +0.4)

## STRIP 3

- Δ JEFF, 1916 (0.0, +0.3)  
 Δ MARZ 2, 1915 (-0.7, -0.3)  
 Δ SAINT 2, 1915 (+2.1, +0.4)  
 Δ KENNEDY Rock Lt, 1967 (-1.6, -0.6)

## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEODETTIC DATUM		AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY		REMARKS	
			STATE	ZONE		NA	1927	φ	λ	Division, Norfolk, Va.	FORWARD	BACK	
T-13377	BAY POINT DAYBEACON, 1967	PH 6909	G.P. Field G-13955			X=		φ	56 20	10.664		329.8	1526.0
						Y=		λ	133 09	40.813		701.2	329.6
	NIP, 1916		G.P. Vol 1 145			X=		φ	56 18	49.427		1528.8	327.0
						Y=		λ	133 06	16.948		291.4	740.1
	ROUND, 1916		G.P. Vol 1 142			X=		φ	56 18	52.769		1632.1	223.7
						Y=		λ	133 06	14.150		243.3	788.2
						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	A. C. Rauck, Jr.											DATE	10/6/70
LISTED BY												DATE	
HAND PLOTTING BY												DATE	

## COMPILATION REPORT

T-13377

## SHORELINE

31. DELINEATION:

The mean high water line was compiled by the Wild B-8 plotter. Rocks and ledge were delineated from office interpretation of the photographs.

32. CONTROL:

See Aerotriangulation Plot Report, dated April 29, 1970.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are inapplicable. Drainage was delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

Shoreline and alongshore details were compiled from office interpretation of the photographs and the stereo models.

36. OFFSHORE DETAILS:

See Item 31.

37. LANDMARKS AND AIDS:

Compilation office prepared work copies of Forms 76-40 were forwarded to the field editor for verification, location and/or deletion.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

There was no contemporary survey to the north. Junctions were made with T-13376 to the west and T-13378 to the east, and TP-00564 and TP-00565 (CM-7206).

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

Comparison was made with USGS Quadrangle PETERSBURG (B-4), ALASKA, scale 1:63,360, dated 1949, with minor revisions 1964.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 8160, scale 1:80,000, 7th edition, dated July 4, 1970.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

*Frank P. Margiotta*

Frank P. Margiotta  
Cartographic Aid  
2/1/71

Approved:

*Albert C. Rauck, Jr.*

Albert C. Rauck, Jr.  
Chief, Coastal Mapping Section

October 26, 1970

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6909 (Alaska)

T-13377

- ✓ Clarence Strait
- ✓ Prince of Wales Island
- ✓ Rookery Islands
- ✓ Round Island
- ✓ Salmon Bay
- ✓ Summer Strait

Approved by:

*A. J. Wraight*

A. Joseph Wraight  
Chief Geographer

Prepared by:

*Frank W. Pickett*

Frank W. Pickett  
Cartographic Technician

NOAA FORM 75-74  
(7-75)U.S. DEPARTMENT OF COMMERCE  
NOAA  
NATIONAL OCEAN SURVEY

## PHOTOGRAMMETRIC OFFICE REVIEW

TP - 13377

1. PROJECTION AND GRIDS LLG	2. TITLE LLG	3. MANUSCRIPT NUMBERS LLG	4. MANUSCRIPT SIZE LLG
<b>CONTROL STATIONS</b>			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY LLG	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) NA		7. PHOTO HYDRO STATIONS NA
8. BENCH MARKS NA	9. PLOTTING OF SEXTANT FIXES FG	10. PHOTOGRAMMETRIC PLOT REPORT LLG	11. DETAIL POINTS LLG
<b>ALONGSHORE AREAS (Nautical Chart Data)</b>			
12. SHORELINE LLG	13. LOW-WATER LINE LLG	14. ROCKS, SHOALS, ETC. LLG	15. BRIDGES LLG
16. AIDS TO NAVIGATION FG	17. LANDMARKS FG	18. OTHER ALONGSHORE PHYSICAL FEATURES LLG	19. OTHER ALONGSHORE CULTURAL FEATURES LLG
<b>PHYSICAL FEATURES</b>			
20. WATER FEATURES LLG	21. NATURAL GROUND COVER NA		22. PLANETABLE CONTOURS NA
23. STEREOSCOPIC INSTRUMENT CONTOURS NA	24. CONTOURS IN GENERAL NA	25. SPOT ELEVATIONS NA	26. OTHER PHYSICAL FEATURES LLG
<b>CULTURAL FEATURES</b>			
27. ROADS LLG	28. BUILDINGS LLG	29. RAILROADS LLG	30. OTHER CULTURAL FEATURES LLG
<b>BOUNDARIES</b>			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
<b>MISCELLANEOUS</b>			
33. GEOGRAPHIC NAMES LLG	34. JUNCTIONS LLG		35. LEGIBILITY OF THE MANUSCRIPT LLG
36. DISCREPANCY OVERLAY Partial LLG	37. DESCRIPTIVE REPORT LLG	38. FIELD INSPECTION PHOTOGRAPHS NA	39. FORMS LLG
40. REVIEWER <i>A.C. Rauck, Jr. FOR</i> L. L. Graves 2/3/71		SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> A. C. Rauck, Jr.	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER <i>A.C. Rauck, Jr. FOR</i> J. R. Minzon 7/1/74 A. L. Shands 11/75 Reviewer: F. R. Gustafson 7/74		SUPERVISOR <i>Albert C. Rauck, Jr.</i> A. C. Rauck, Jr.	
43. REMARKS <i>A.C. Rauck, Jr. FOR</i> See form 76-36, Items 3 and 8.			

## FIELD EDIT REPORT

SUMNER STRAIT

SOUTHEAST ALASKA

OPR-448

APRIL-SEPTEMBER 1971

INTRODUCTION

Field edit reports are attached for the following maps:

T-12462	Mitchell Point
T-12463	Little Level Island
T-12464	Big Level Island
T-12465	Point St. John
T-12466	Port Protection
T-12467	Flicker Creek
T-12468	Buster Bay
T-12469	Mud Creek
T-12480	Red Bay (West)
T-13338	Yellow Island
T-13339	Little Totem Bay
T-13340	Totem Bay
T-13341	Shingle Island
T-13342	Moss Island
T-13374	Bell Island
T-13375	Red Bay (East)
T-13376	Point Colpoys
T-13377	Rookery Islands
T-13378	Macnamara Point

Field photographs and copies of the field edit ozalids were taken into the field. The mean high water line was verified by visual inspection of the shoreline and ozalids in the field. Isolated rocks, high points of ledges, ledge limits and some shoreline were located by three-point sextant fixes with check angles. Fixes were plotted on boatsheets:

DA-10-3-71	DA-10-7-71
DA-10-4-71	DA-10-8-71
DA-10-5-71	DA-10-9-71
DA-10-6-71	DA-5-1-71

Comparisons were made between boatsheets and ozalids.

Notes have been made on the appropriate photographs and have been cross referenced on the Field Edit Ozalids by photograph number. All times are based on 105°W meridian. Individual reports by manuscript are attached. Either processed or field photographs were used for notes as indicated in the individual reports.

#### ADEQUACY OF COMPILATION

The photographic coverage of the area was excellent. Compilation was excellent with the few exceptions as noted on individual sheets. Unfortunately, photographic and manuscript coverage was not available for Kak Sheets Bay north of the Level Islands. Shoreline on the northern section of boatsheet DA-10-9-71 (H9221) will have to be edited when manuscripts are available.

#### TIDE NOTES

The following tide stations were used for hydrography in the Sumner Strait area:

Pt. Baker  
Red Bay

Totem Bay  
Level Island

#### AIDS TO NAVIGATION

Non-floating Aids to Navigation within the area were located and are covered in a report titled "Non-floating and Floating Aids to Navigation OPR-448 - Sumner Strait, Southeast Alaska 1971." A copy of the above report is included in the appendix.

Respectfully submitted,

*Howard W. Herz*  
Howard W. Herz  
LTJG. NOAA

Approved,

Gelald C. Saladin  
CDR. NOAA  
Commanding Officer  
NOAA Ship DAVIDSON

## FIELD EDIT REPORT

MAP T-13377

SUMNER STRAIT - ROOKERY ISLANDS

SOUTHEAST ALASKA

AUGUST 24, 25, 1971

Field edit of map T-13377 was done by LTJG. Howard W. Herz and ENS. Stephen A. Young during August 1971. Inspection was done by foot and small boat.

METHOD

Field photographs and a copy of the field ozalid were taken into the field. No photographs were available for adequate coverage of the Rookery Islands. Inspection of the islands was made in the field and ledge limits are considered accurate. The mean high water line was visually inspected with special attention given to areas in question on the ozalid. No changes were made to the MHWL and it is considered correct. High points of rocks and ledges have been noted. All times given are 1050 W meridian. Changes delineated on the photographs have been referenced on the ozalids. Notes were made on the photograph: 69E552.

ADEQUACY OF COMPILATION

The compilation of this map is very good along Prince of Wales Island. The MHWL appears to be accurate in both shape and location. The foul areas south of Bay Point Daybeacon should be revised in accordance with the notes made on the ozalid. The following visual sextant fix data was used to locate the four positions noted on the ozalid:

Position #1 - high point and center of islet.

57° 56'      POINT COLPOYS LIGHT, 1967  
                 BAY POINT DAYBEACON, 1967

76° 10'      MARE2, 1915-1916

102° 16'      BAY POINT DAYBEACON-MACNAMARA POINT  
                 DAYBEACON (check angle)

Position #2 - submerged rock in kelp.

64° 33'      POINT COLPOYS LIGHT, 1967  
                 BAY POINT DAYBEACON, 1967

69° 56' MARE2, 1915-1916

95° 33' BAY POINT DAYBEACON-MACNAMARA POINT  
DAYBEACON (check angle)

Position #3 - Rock

38° 40' POINT COLPOYS LIGHT  
BAY POINT DAYBEACON

80° 10' MARE2

106° 33' BAY POINT DAYBEACON-MACNAMARA POINT  
DAYBEACON (check angle)

Position #4 - Rock

37° 35' POINT COLPOYS LIGHT  
BAY POINT DAYBEACON

81° 37' MARE2

108° 15' BAY POINT DAYBEACON-MACNAMARA POINT  
DAYBEACON (check angle)

There are two fixed aids to navigation located on this sheet. Form 567 has been submitted in a report titled "Fixed Aids To Navigation". The field edit of this map is complete.

#### RECOMMENDATIONS

It is recommended that the map be revised in accordance with the notes on the Field Edit Ozalid and photographs, and be accepted as an advance manuscript.

Respectfully submitted,

*Howard W. Herz*  
Howard W. Herz  
LTJG. NOAA

*Stephen A. Young*  
Stephen A. Young  
ENS. NOAA

SPECIAL REPORT  
ON  
GEOGRAPHIC NAMES  
OPR-448  
SOUTHEAST ALASKA  
SOUTH Keku STRAIT - SUMNER STRAIT

NOAA SHIP DAVIDSON  
CDR GERALD C. SALADIN  
CHIEF OF PARTY  
1971

The enclosed USGS Petersburg (B-4), (B-5), (B-6), (C-4) and (C-6) Alaska quadrangle sheets were used for geographic names identification along with the enclosed charts 8174 and 8201.

On August 29, 1971 Mr. Clarence Louis and Mr. Harry Coulter, both of Wrangell, Alaska, were interviewed. Mr. Louis has been a resident of Wrangell for 77 years and has fished extensively throughout the Sumner Strait area. Mr. Harry Coulter has been a resident of Wrangell since 1900. He has fished and done extensive navigating aboard tugs and steamboats in the Sumner Strait area.

On August 30, 1971 Mr. Laurel Allen Woolery (Buchshot), owner of the B.S. Trading Post, Port Protection, Alaska, was interviewed. Mr. Woolery has resided at Port Protection for more than thirty years.

All of the above individuals were shown the USGS quadrangles and the NOS charts. Verified names have been underlined in red on the charts and quadrangles. New or questionable names have been noted and the following remarks apply:

(Note: "GSPP-567" refers to "Dictionary of Alaska Place Names, by Donald J. Orth, Geological Survey Professional Paper 567. Excerpts from the above are included in the appendix of this report.)

NOTE A: WOODEN WHEEL COVE (Port Protection: Lat. 56°18'35"N; Long. 133°36'25"W.) Named after a Wrangell resident who's fishing boat broke down in the cove. He fabricated a wheel out of wood and managed to get into Wrangell. He is since known by his friends as "Wooden Wheel" Johnson. (Clarence Louis-Wrangell)

NOTE B: JACKSON ISLAND (Port Protection: Lat. 56°19'32"N; Long. 133°36'45"W.) Named after Percy Jackson who had a boat shop on the island. (Laurel "Buckshot" Woolery-Port Protection)

NOTE C: EAST ROCK (Sumner Strait: Lat. 56°21'30"N; Long. 133°36'00"W.) Locally known as EAST ROCK (Woolery-Port Protection). Shown on USGS quadrangle Petersburg (B-5) as "TWIN I". Shown in GSPP-567 as EAST ROCK. EAST ROCK is correct as shown on NOS chart 8174.

- NOTE D: MERRIFIELD BAY (Sumner Strait: Lat.  $56^{\circ}21'05''N$ ; Long.  $133^{\circ}35'15''W$ ) Previously called "HOFSTEAD BIGHT" after Richard Hofstead who had a small store and herring traps there (Louis and Coulter-Wrangell). Known today as MERRIFIELD BAY by the local fisherman. The present name of MERRIFIELD BAY should be retained.
- NOTE E: FLICKER CREEK (Sumner Strait: Lat.  $56^{\circ}20'00''N$ ; Long.  $133^{\circ}33'00''W$ .) Un-named on largest scale chart of the area (NOS 8201). Named "FLICKER CREEK" on USGS quadrangle Petersburg (B-5) and in GSPP-567. Correctly shown on Incomplete Manuscript T-12467 as FLICKER CREEK. Locally called "HUMPY CREEK" by some of the fisherman (Woolery-Port Protection). The present name of FLICKER CREEK should be retained.
- NOTE F: SHINE CREEK (Sumner Strait: Lat.  $56^{\circ}19'35''N$ ; Long.  $133^{\circ}26'30''W$ .) So named in GSPP-567 and on USGS quadrangle Petersburg (B-5). Correctly shown on Incomplete Manuscript T-12468. Probably named after a Mr. "Shine" Owens who logged around Buster Bay about 1940 (Woolery-Port Protection).
- NOTE G: BUSTER BAY & BUSTER CREEK (Sumner Strait: Lat.  $56^{\circ}20'N$ ; Long.  $133^{\circ}26'W$ .) Correctly named on Incomplete Manuscript T-12468. Probably named after Mr. "Buster" Neil Grant who used to anchor a pile driver there (Louis-Wrangell).
- NOTE H: BIG CREEK (Sumner Strait, Red Bay: Lat.  $56^{\circ}15'38''N$ ; Long.  $133^{\circ}20'20''W$ .) Named on USGS quadrangle Petersburg (B-5) and GSPP-567 and Incomplete Manuscript T-12470. Name should be retained on stream as shown on T-12470. Chart 8168 shows "BIG CREEK" located between Red Lake and Red Bay. For corrections see RED BAY CREEK note below.
- LITTLE CREEK (Sumner Strait, Red Bay: Lat.  $56^{\circ}16'22''N$ ; Long.  $133^{\circ}20'50''W$ .) Correct as shown on USGS quadrangle Petersburg (B-5) and noted in GSPP-567 and Incomplete Manuscript T-12470. Chart 8168 shows "LITTLE CREEK" incorrectly. The chart should be revised according to the manuscripts.
- RED BAY CREEK (Sumner Strait, Red Bay: Lat.  $56^{\circ}15'45''N$ ; Long.  $133^{\circ}19'45''W$ .) Local name given to the creek that joins Red Lake and Red Bay (Woolery, Louis & Coulter - Port Protection and Wrangell). As many local fisherman use this name, it is suggested that it be used on chart 8168 and T-13375.

NOTE I: DOUGLAS(S) BAY (Sumner Strait: Lat.  $56^{\circ}28'N$ ;  
Long.  $133^{\circ}17'W$ .) Correct as named. USGS  
quadrangle Petersburg (B-4) gives a spelling  
of DCUGLAS. NOS chart 8160 gives a spelling  
of DOUGLASS. GPSS-567 notes both spellings.  
For the correct spelling consult USC&GS chart  
706.

NOTE J: TOTEM POINT (Sumner Strait: Lat.  $56^{\circ}27'10''N$ ;  
Long.  $133^{\circ}26'00''W$ .) Shown on USGS quadrangle  
Petersburg (B-5) and Incomplete Manuscript  
T-13340. This name could not be verified by  
those interviewed. It is recommended that the  
name be retained as shown.

Names that could not be verified in interviews have not been  
underlined or noted and are assumed correct. The charted names  
on NOS charts 8174 and 8201 are used and accepted by the local  
fisherman and mariners except as noted.

Respectfully submitted,

*Howard W. Herz*  
Howard W. Herz  
Lt(jg) NOAA

Approved,

*Gerald C. Saladin*  
Gerald C. Saladin  
CDR. NOAA  
Commanding Officer  
NOAA Ship DAVIDSON

# LANDMARKS AND AIDS TO NAVIGATION

## LANDMARKS

No landmarks exist within the area covered by OPR-448.

## NON-FLOATING AIDS TO NAVIGATION

The non-floating aids to navigation listed on Form 567 are recommended as landmarks useful for navigational purposes. They should be continued on charts 8160 and 8201 using the geographic positions listed on Form 567.

## FLOATING AIDS TO NAVIGATION

The following floating aids to navigation were located within the limits of OPR-448, 1971. Positions were determined by sextant fixes using second order triangulation signals. Geographic positions were computed and compared with those given in Light list Volume III Pacific Coast and Pacific Islands.

<u>#</u>		<u>C&amp;GS</u>	<u>CG</u>
----	Five Fathom Shoal Buoy	56° 21' 56.403"N✓ 133° 13' 58.899"W✓	-----
3008	McArthur Reef Lighted Bell Buoy	56° 23' 39.21"N✓ 133° 10' 33.28"W✓	-----
3008.50	Mitchell Point Lighted Buoy 7	56° 25' 19.48"N✓ 133° 11' 11.37"W✓	56° 25.5'N✓ 133° 10.6'W✓
3010	Level Island Lighted Buoy 9	56° 27' 7.24"N✓ 133° 02' 29.89"W✓	56° 27.1'N✓ 133° 02.5'W✓

Respectfully submitted,

*Howard W. Herz*  
Howard W. Herz  
LTJG. NOAA

Approved,

*Gerald C. Saladin*  
Gerald C. Saladin  
CDR. NOAA  
Commanding Officer  
NOAA Ship DAVIDSON



FORM C&amp;GS-504

U.S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

FIELD EDIT  
DESCRIPTIVE REPORTS

Type of Survey FIELD EDIT

Field No. n/a Office No. T-13376-78 & T-12462-65

## LOCALITY

State ALASKA

General locality SOUTHEAST

Locality SUMNER STRAIT

19 75

## CHIEF OF PARTY

CDR M. H. FLEMING, NOAA

LIBRARY &amp; ARCHIVES

DATE

## FIELD EDIT REPORTS

T-13376 through T-13378  
and  
T-12462 through T-12465

SUMNER STRAIT, ALASKA

OPR-448-DA-75

NOAA SHIP DAVIDSON

CDR. M.H. FLEMING

Chief of Party

## INTRODUCTION

In compliance with Change No. 2 (dated 7/2/75) to project instructions OPR-448-DA-75, field edit was completed on seven class III, partially field-edited manuscripts. They are T-13376 through T-13378 and T-12462 through T-12465. Field edit of these sheets was supposedly done in 1971, but data was lost in transmittal. In most cases the entire sheet was reedited. Due to few available photographs, the Chronopaque office photo had to be used in a few instances. Where this was required, due care was taken not to obliterate the referenced feature.

## CONTROL

Position control for all these sheets was by means of the Motorola MINIRANGER III system. Three, independent, calibrated rates were obtained for each fix to assure its validity. The MINIRANGER systems used were calibrated on a known baseline on September 15, 1975. Correctors obtained during this calibration are tabulated on the appended position abstract for each sheet report. Field positions are self-checking and methods used are described in each report.

The HYDROPLOT system was used to produce detached position overlays (COMLOT sheets) for each sheet where detached positions were taken. Analytically computed geodetic positions are accurate and may be used directly in application of this field edit. Lattices plotted on these overlays are labeled per PROVISIONAL HYDRO MANUAL specifications.

## MISCELLANEOUS

76-40 forms were submitted with 1971 field edit and are not again submitted. See R2923208 SEPT 75 CPM radio message appended.

One master signal tape is included for all sheets. The printout is appended. Separate HYDROPLOT Parameter, Master, and Corrector tapes were made for each sheet where fixes were required.

Separate Field Edit Reports for each sheet follow.

## SEPARATES FOLLOWING FIELD EDIT REPORTS:

Index of Field Edit Sheets  
Combined Tides Requirements Form  
R292320 Sept 75 CPM Radio Message

## FIELD EDIT REPORT

T-13377  
ROOKERY ISLAND

OPR-448-DA-75

SUMNER STRAIT, ALASKA

NOAA SHIP DAVIDSON

CDR M.H. FLEMING

-1975-

## (51 METHODS)

Field edit on T-13377 was accomplished under project instructions OPR-448-DA-75, Change No. 2, dated 7 July 1975, as per Change No. 4-75 PMC OORDER.

OORDER procedures for field edit with HYDROPLOT support, not in conjunction with hydrography, were used.

A Field Edit Sheet, field photograph 69K3724 R, and 69K2010 (c) were taken into the field to investigate and identify compiled features.

This manuscript was partially field edited in 1971 but the data and some photographs were lost. The area east of Prince of Wales Island, around Rookery and Round Island, lacked field or office photographs and this area was verified by taking fixes and plotting them against the compiled field edit sheet. The area of the manuscript covering the northeast end of Prince of Wales Island was field edited through the use of the photographs listed. Because office photographs are not available, care was exercised not to obliterate images on the photos, and features were circled rather than pricked.

The Field Edit investigation was conducted on 10 September 1975 from a Bertram hydrographic launch (vessel 3131) which was equipped with Motorola MINI-RANGER III. Fixes were initially hand plotted in the field. Where fixes confirmed photogrammetric compilation, no fix data was recorded. Fixes were recorded when locating new features or revising mapped features.

Where fixes were required, three independent, calibrated MINI-RANGER rates were observed and recorded along with the description and feature data. See appended abstracts.

The abstracts were processed as follows:

1. When the field editor took a fix, he radioed the recorded fix data to the ship. Ship personnel then computed (using Program RK300, function 10; Electronic Rates to Electronic Rates) the true third rate from the field rates corrected for calibration error. The computed third rate was then compared to the observed third field rate to assure an accurate fix had been obtained. If the fix met accuracy standards, the field editor continued field work. The results of the computations are recorded on the abstracts in red ink directly below each observed field rate.

2. The pair of rates yielding the strongest fix was then circled and logged on the HYDROPLOT Master Detached Position tape for plotting. Also, RK 300, function 3, (Electronic

Rates to XY and GP) was invoked to compute the geodetic position of the fix. G.P.'s obtained were recorded with the feature description on the abstract.

3. RK 211 (R/R Position and Sounding Plot) was used to plot logged fixes on the Field Edit Overlay. Paper overlays were produced instead of the recommended mylar overlay due to cost and short supply of mylar, the fact that a G.P. was computed and tabulated for each position, and the small number of fixes involved.

All fixes meet NOS position accuracy requirements as defined in section 1.1.2 of the Provisional Hydrographic Manual. The tabulated position should be accepted as verified.

All original data was recorded on the field sheet at the time of investigation by the Field Editor.

All times are referenced to GMT (Z).

Weather observations for the day of field edit were as follows: wind-calm; fog in the morning, clear in the afternoon; water vertical visibility - 10'.

A tide gage was installed at Little Level Island to provide tide data. This gage was not a requirement in the project instructions; however, it should assist in defining tides for these sheets.

Deletions, additions, and verified features are noted on the Field Edit Ozalid. Only the additions and verified features are noted on the photograph.

Field edit notes are on field photograph 69K2010 (c) and 69K3724 R.

As per instructions on the Field Edit Ozalid, the ink colors do not follow standard procedures. The ink colors used are as follows:

<u>COLOR</u>	<u>USE</u>
Black	Verified features
Green	Deletions
Red	Revisions and 1975 field edit
Violet	1971 field edit

(52 ADEQUACY AND COMPILATION)

The map compilation is adequate and complete for charting with this field edit applied.

(53 MAP ACCURACY)

The shoreline, foreshore, and offshore features were found to be very accurate. Only a few additions were necessary, mostly in areas that are subject to change (i.e., kelp limits). Dense kelp was mistaken on several occasions for rocks.

(54 RECOMMENDATIONS)

This manuscript should be considered complete with corrections compiled from the field edit.

(56 MISCELLANEOUS)

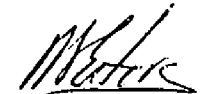
No Forms 76-40 were provided with this manuscript.

Field sheets were constructed and MINI-RANGER lattices applied using the HYDROPLOT software program RK 201 (Grid, Signal, and Lattice Plot; version 8/16/74).

MINI-RANGER fixes were computed with program RK 300 (Utility Computations; version 5/22/75).

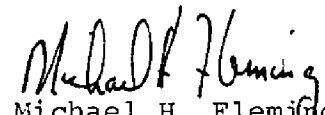
MINI-RANGER fixes were plotted with program RK 211 (R/R Position and Sounding Plot; version 8/16/74).

Submitted by,



D.S. Eilers  
LT, NOAA

Approved by,



Michael H. Fleming  
CDR, NOAA  
Commanding Officer

Y. 133774 VESSEL 3131 DAY 253  
 CONSOLE s/n 710 R/T s/n 719

CODE:  
 CORR:  
 STA:

3'	2'	1'	2'
-1'	-2'	-1'	-2'
3'	2'	1'	2'

FIX GMT FEATURE

3 1745

Rt cov 3ft area foul w/ rks and kelp  
 $\phi = 56^{\circ} 18' 56.815'' N$   
 $\lambda = 133^{\circ} 06' 26.005'' W$

13012'

3170

14852'

3169

13011

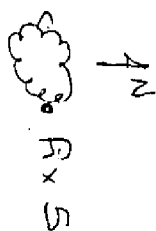
3168

14855

3168

5 1952

Rk uncov 3ft extends 40ft W of fix  
 10-15 ft N+S of fix



$\phi = 56^{\circ} 19' 45.164'' N$

$\lambda = 133^{\circ} 06' 54.364'' W$

CODE

4'

2'

1'

2'

CORR

-2'

-2'

-1'

-2'

STA

4'

2'

1'

2'

14098

6363

16162

6363

14096

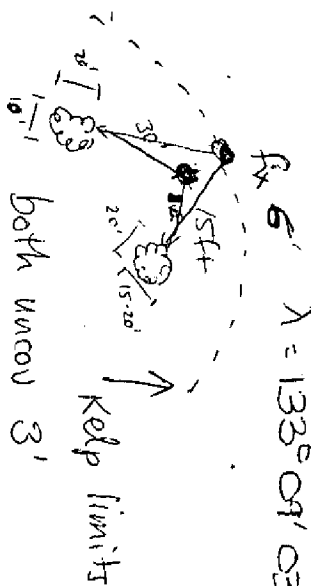
3161

16162

3161

6 2011

Rks uncov 3ft



$\phi = 56^{\circ} 19' 28.385'' N$   
 $\lambda = 133^{\circ} 09' 03.170'' W$

CODE

4'

2'

3'

2'

CORR

-2'

-2'

-1'

-2'

STA

4'

2'

3'

2'

13840

5420

10307

5420

13838

5418

10307

5418

FUNCTION = 3

ELECTRONIC STATIONS(S1,M,S2)= 4,0,2

PATTERN 1= 15749

PATTERN 2= 3118

X = 14146.592

Y = 7363.394

LATITUDE = 56/18/55.251

LONGITUDE= 133/06/20.406

PATTERN 1= 15840

PATTERN 2= 3178

X = 14143.798

Y = 7262.770

LATITUDE = 56/18/51.797

LONGITUDE= 133/06/20.546

ELECTRONIC STATIONS(S1,M,S2)= 3,0,2

PATTERN 1= 13011

PATTERN 2= 3168

X = 14050.571

Y = 7418.334

LATITUDE = 56/18/56.815

LONGITUDE= 133/06/26.005

ELECTRONIC STATIONS(S1,M,S2)= 4,0,2

PATTERN 1= 14096

PATTERN 2= 3161

X = 13569.205

Y = 8915.718

LATITUDE = 56/19/45.164

LONGITUDE= 133/06/54.364

PATTERN 1= 13838

PATTERN 2= 5418

X = 11353.388

Y = 3401.417

LATITUDE = 56/19/28.225

LONGITUDE= 133/09/03.170

T-13377

RK 300

ELEC → XYGP





## REVIEW REPORT

T-13377

## SHORELINE

November 15, 1979

61. GENERAL STATEMENT:

See Summary, page 6 of this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

None made.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS Quadrangle, Petersburg (B-4), Alaska, 1:63,360 scale, dated 1949. Foreshore area details around Rookery Islands are more extensive on the map than on the quadrangle.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

There is no contemporary hydrographic survey covering the area of this map from lat.  $56^{\circ}20'00''$  southward. The area north of lat.  $56^{\circ}20'00''$  was compared with a copy of Registered Smooth Sheet H-9269 (DA-10-1-72). There are no differences.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 17382, 1:80,000 scale, 11th edition dated March 26, 1977.

Rookery Island Light is shown on the chart at lat.  $56^{\circ}19.9$ , long.  $133^{\circ}06.3'$ . This feature was not positioned by the field editor and is not visible on the photographs. This reviewer learned through a telephone conversation with the National Geodetic survey that there is no published position for "Rookery Island Light." Because of this, the feature is not shown on the map.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with project instructions and meets the requirements for Bureau Standards and the National Standards of Map Accuracy.

Submitted by:

*A. L. Shands*

A. L. Shands  
Final Reviewer, AMC

Approved for forwarding:

*B. H. Barnes*

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*Nathaniel L. ...*

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PH-6909

Sumner Strait, Alaska

Project Materials on File

NOS Archives

- 1 Stable base registered copy of each of 29 maps
- 1 Descriptive report for each of 29 maps

Federal Records Center

- 1 Job completion report
- 3 Forms 504 containing original field edit reports
- 1 Form 251, Horizontal Directions
- 13 Forms 152, CSI
- 5 Sets of parameter tapes and printouts
  - Computer printouts of photogrammetric bridge
- 1 Form 76-40
- 1 Positive overlay each of T-12464, T-12465, and T-13376 thru T-13378
- 1 Each ratio (conopaque) photo - 69E(C) 560-567, 576, 577, 579, 2001-2004, 2010, 2012, 2026, 2030-2032, 2035, 2036, 2038, 2040-2043, 2047-2050, 2057, 2058, 2061, and 2062; 69K(I) 3724, 3735, 3736, 3738, 3739, and 3746; 69E(C) 983-990, 997, 999, 999A, 999B, 1000, 1010, 1021, 1026-1028
- 1 Each matte 69K(I) 3735, 3736, 69E(C) 985, 987-990, 999, 999A, 999B, and 1000

*19 FIELD EDIT OZALIDS*