

T-13375

ORIGINAL

T-13375

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-13375.....

Classification No. ^TFinal Edition No. 1

Field Edited Map

LOCALITY

State Alaska

General Locality Sumner Strait

Locality Red Bay (East)

1969 TO 1971

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

- ORIGINAL
- RESURVEY
- REVISED

MAP EDITION NO. (1)
MAP CLASS Final
JOB PH-6909

PHOTOGRAMMETRIC OFFICE
Coastal Mapping Division, AMC
Norfolk, Va.

LAST PRECEDING MAP EDITION

OFFICER-IN-CHARGE
Jeffrey Carlen, CDR/NOAA

- ORIGINAL
- RESURVEY
- REVISED

JOB PH-
MAP CLASS
SURVEY DATES:
19__ TO 19__

I. INSTRUCTIONS DATED

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

II. DATUMS

1. HORIZONTAL: 1927 NORTH AMERICAN

OTHER (Specify)

2. VERTICAL:
 MEAN HIGH-WATER
 MEAN LOW-WATER
 MEAN LOWER LOW-WATER
 MEAN SEA LEVEL

OTHER (Specify)

3. MAP PROJECTION

Polyconic

4. GRID(S)

STATE
Alaska

ZONE
1

5. SCALE

1:10,000

STATE

ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS	BY	NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	R. Kelly	Apr 1970
	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat	PLOTTED BY	P. Dempsey	Sept 1970
	CHECKED BY	P. Dempsey	Sept. 1970
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	A. L. Shands	Jan 1971
	CHECKED BY	R. White	Jan 1971
INSTRUMENT: Wild B-8	CONTOURS BY	NA	
SCALE: 1:10,000	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	F. Margiotta	Jan 1971
	CHECKED BY	B. Wilson	Jan 1971
METHOD: Smooth Drafted	CONTOURS BY	NA	
	CHECKED BY	NA	
SCALE: 1:10,000	HYDRO SUPPORT DATA BY	F. Margiotta	Jan 1971
	CHECKED BY	B. Wilson	Jan 1971
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	B. Wilson	Jan 1971
6. APPLICATION OF FIELD EDIT DATA	BY	B. Barge	Dec 1971
	CHECKED BY	B. Wilson	Dec 1971
7. COMPILATION SECTION REVIEW	BY	B. Wilson	Dec 1971
8. FINAL REVIEW	BY	A. L. Shands	Oct 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-13375
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC- 8 "E"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				Pacific	
				MERIDIAN 120th	
				<input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
69E(C) 2057 & 2058	8/24/69	14:54 PST	1:20,000	7.2 ft. above MLLW	
69E(C) 2061 & 2062	8/24/69	15:04 PST	1:20,000	6.8 ft. above MLLW	

REMARKS

MEAN

Subord. Sta. RED BAY, PRINCE OF WALES ISLAND, ALASKA RANGE: 12.2 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:

None compiled.

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

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

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
T-13374	No survey-CM7206	None	T-12470

REMARKS

T-13375
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 <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	BY
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	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 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): None

T-13375

HISTORY OF FIELD OPERATIONS

I. FIELD INSPECTION OPERATION FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	G. Saladin	Jun/Aug 71
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 (<i>Triangulation Stations</i>) BY	None
	LOCATED (<i>Field Methods</i>) BY	None
	IDENTIFIED BY	None
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	<input type="checkbox"/> COMPLETE	BY
	<input checked="" type="checkbox"/> SPECIFIC NAMES ONLY	
	<input type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	R. Arnold & H. Herz
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

II. SOURCE DATA

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

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (*Clarification of details*)
69E 2063

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-Field Edit Report
1-Field Edit Ozalid

T-13375
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	Jan 1971	Class III manuscript Superseded	2/10/71	1/27/71
Field Edit applied Compilation Complete	Dec 1971	Class I manuscript	11/1/73	
Final Review	Oct 1979	Final	4-4-80 Dec 1979	

II. LANDMARKS AND AIDS TO NAVIGATION None

I. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

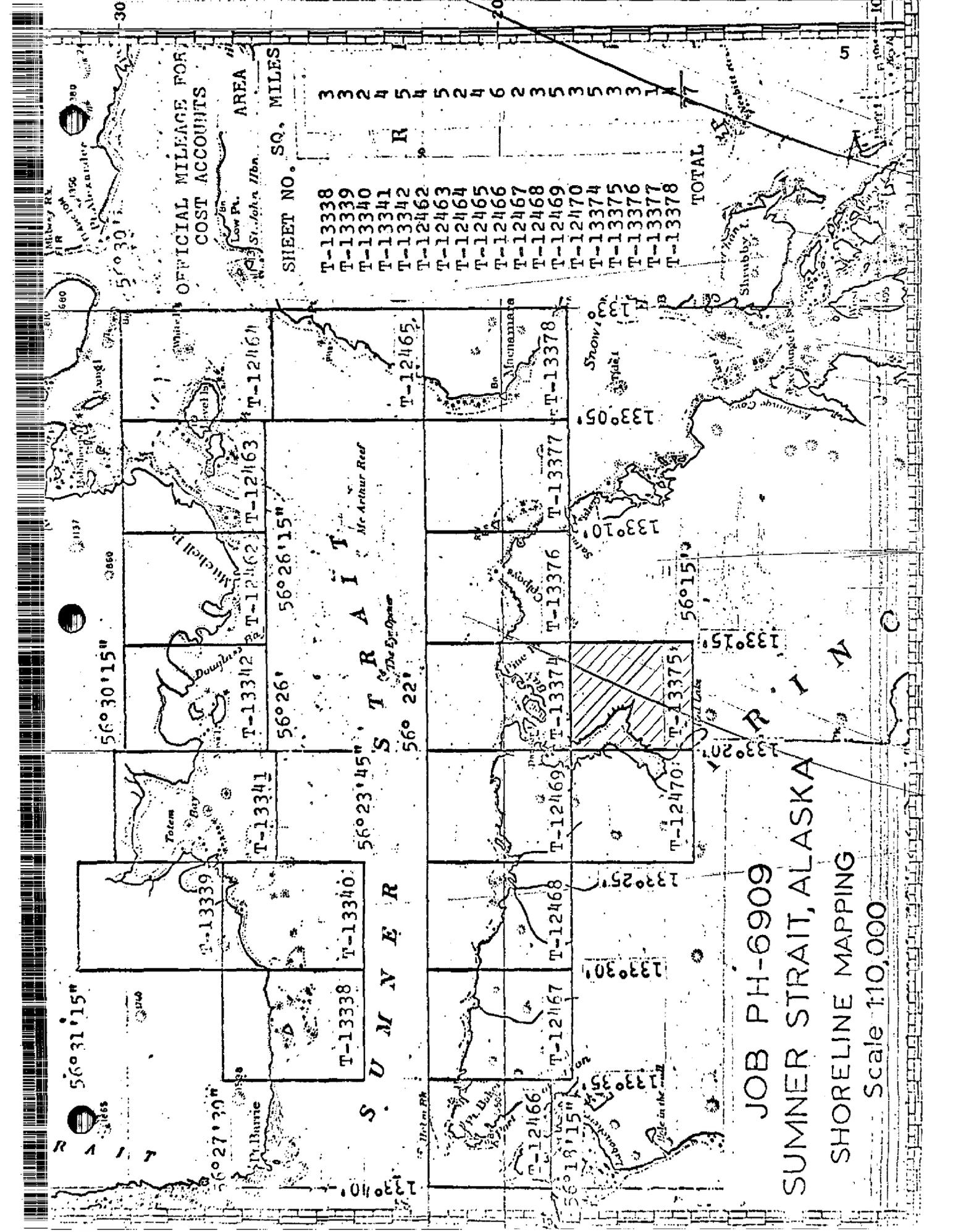
2. REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
 3. REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

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

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

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



OFFICIAL MILEAGE FOR
COST ACCOUNTS

AREA
Low Pt. Bn
St. John's I/bn.

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

S U M N E R

S T R A I T

JOB PH-6909
SUMNER STRAIT, ALASKA
SHORELINE MAPPING
Scale 1:10,000

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 ^{the} Rockville, Maryland, office for reproduction and final registration.

FIELD INSPECTION

T-13375

There was no field inspection prior to compilation. Field activity was limited to the recovery and identification of control for bridging.

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.

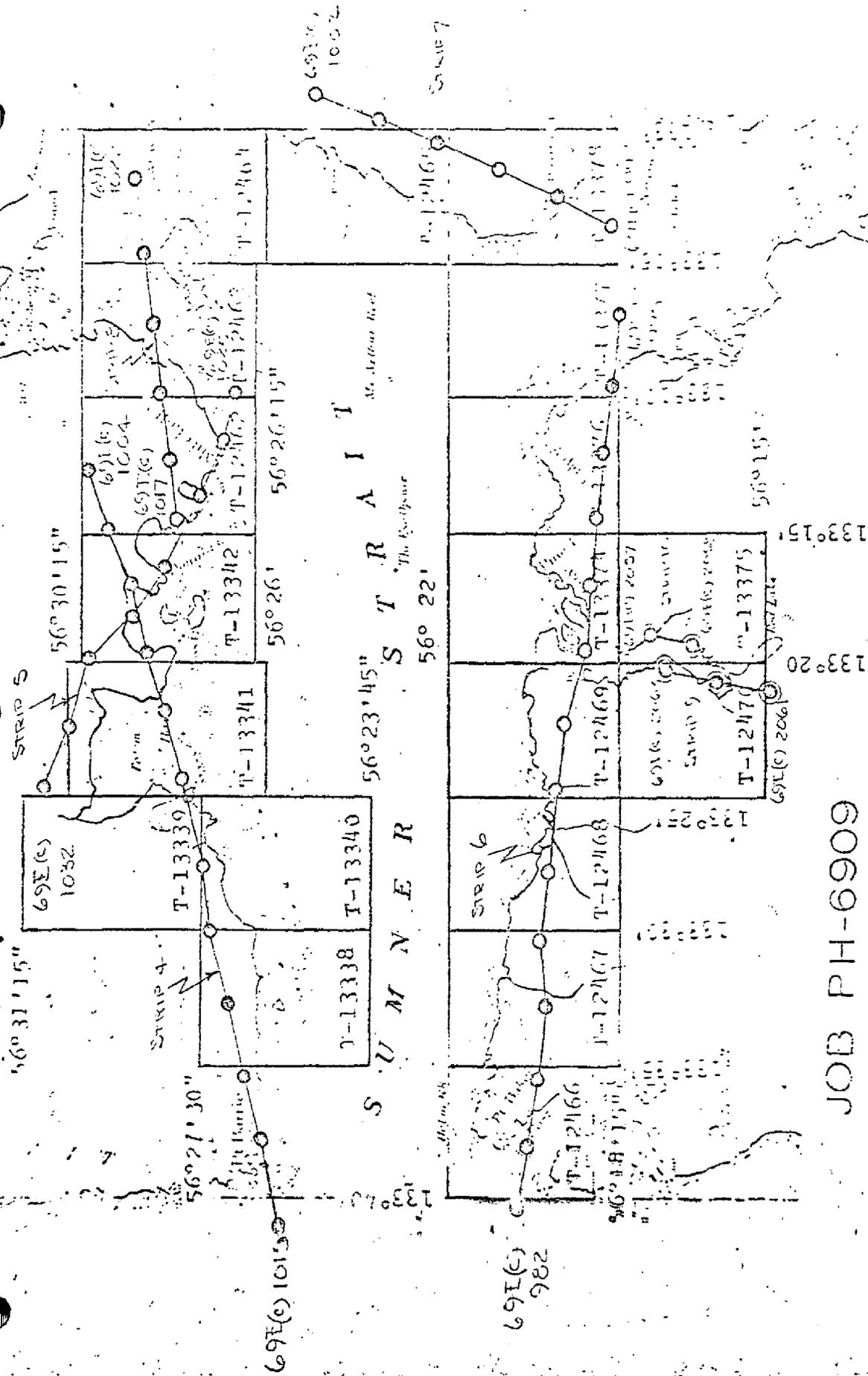
Submitted by,

Robert B. Kelly
Robert B. Kelly

Approved and forwarded,

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

COMPILATION PHOTOS



JOB PH-6909
 SUMNER STRAIT, ALASKA

STRIP LINE MAPPING
 Scale 1:100,000

○ 1:30,000
 ⊙ 1:50,000

LEGEND:

- △ CONTROL USED IN ADJUSTMENT
 () CLOSEST OF BRIDGE TO CONTROL SHOWN
 IN PARENTHESIS
 △ CONTROL USED AS CHECK.

STRIP 1

- △ LUNG, 1929 (-0.9, +1.1) FT.
 △ NEXT, 1929 (+1.0, -1.9)
 △ SWINGUE, 1915 (0.0, +1.0)
 △ BARRIE 2, 1915 (+0.9, -3.3)
 △ FND, 1927 (+0.3, -0.4)

STRIP 2

- △ FRANK, 1954 (0.0, -0.5)
 △ QUINN, 1954 (-0.5, +1.0)
 △ SID, 1915 (+0.1, +0.5)
 △ WEST, 1915 (-0.5, +0.3)
 △ COLFOYS, 1886 (+0.2, -1.4)
 △ JEFF, 1916 (-0.5, +0.4)

STRIP 3

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	PH-6909	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET STATE Alaska ZONE 1	NA 1927	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE	ORIGINATING ACTIVITY Division, Norfolk, Va.	REMARKS FORWARD BACK
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COMPILATION REPORT

T-13375

SHORELINE

31. DELINEATION:

The mean high water line, rocks and ledge details were compiled by the Wild B-8 plotter. The stage of tide was 7.2 ft. therefore no low water line was compiled. Photography was adequate and of good quality. There was no field inspection prior to compilation.

32. CONTROL:

See Aerotriangulation Plot Report, dated April 28, 1970.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours were inapplicable. Drainage was delineated from office interpretation of the stereo models.

35. SHORELINE AND ALONGSHORE DETAILS:

Shoreline and alongshore details were compiled from office interpretation of the stereo models. There was no low water photography.

36. OFFSHORE DETAILS:

No statement.

37. LANDMARKS AND AIDS:

None.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

There was no contemporary survey to the south or east TP-00564-CM7200. Junctions were made with T-13374 to the north and with T-12470 to the west.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

45. COMPARISON WITH PRIOR SURVEYS:

Comparison was made with USC & GS Survey 1749, scale 1:80,000, dated 1886.

46. COMPARISON WITH EXISTING MAPS:

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

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 8201, scale 1:217,828, 15th edition, dated November 15, 1969, and Chart 8168, scale 1:20,000, 5th edition, dated March 11, 1968.

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
January 21, 1971

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-13375

- ✓ Creek No. 1
- ✓ Creek No. 2
- ✓ Creek No. 3
- ✓ Creek No. 4
- ✓ ^{Now} ~~Narrow~~ Creek
- * Pine Creek
- ✓ Prince of Wales Island
- Range Island
- ✓ Red Bay
- ✓ Red Bay Creek
- ✓ Red Lake
- ✓ Salmon Creek
- Short Creek

*Not shown on map.
 Beyond mapping limits.
 A. L. Shands 10/9/79

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 - 13375

1. PROJECTION AND GRIDS BW	2. TITLE BW	3. MANUSCRIPT NUMBERS BW	4. MANUSCRIPT SIZE B W
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY BW	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 BW	10. PHOTOGRAMMETRIC PLOT REPORT BW	11. DETAIL POINTS BW
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE BW	13. LOW-WATER LINE BW	14. ROCKS, SHOALS, ETC. BW	15. BRIDGES BW
16. AIDS TO NAVIGATION BW	17. LANDMARKS BW	18. OTHER ALONGSHORE PHYSICAL FEATURES BW	19. OTHER ALONGSHORE CULTURAL FEATURES BW
PHYSICAL FEATURES			
20. WATER FEATURES BW	21. NATURAL GROUND COVER BW		22. PLANETABLE CONTOURS NA
23. STEREOSCOPIC INSTRUMENT CONTOURS NA	24. CONTOURS IN GENERAL NA	25. SPOT ELEVATIONS NA	26. OTHER PHYSICAL FEATURES BW
CULTURAL FEATURES			
27. ROADS BW	28. BUILDINGS BW	29. RAILROADS BW	30. OTHER CULTURAL FEATURES BW
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES BW	34. JUNCTIONS BW		35. LEGIBILITY OF THE MANUSCRIPT BW
36. DISCREPANCY OVERLAY BW	37. DESCRIPTIVE REPORT BW	38. FIELD INSPECTION PHOTOGRAPHS BW	39. FORMS BW
40. REVIEWER B. Wilson <i>A. C. Rauck, Jr. For</i> Jan. 22, 1971		SUPERVISOR, REVIEW SECTION OR UNIT <i>A. 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 B. L. Barge Reviewer: B. Wilson <i>A. C. Rauck, Jr. For</i> 12/16/71 12/20/71		SUPERVISOR <i>A. C. Rauck, Jr.</i> A. C. Rauck, Jr.	
43. REMARKS Field Edit applied from: See Forms 76-36C, Items 3, 7 & 8.			

FIELD EDIT REPORTS

SUMNER STRAIT

SOUTHEAST ALASKA

OPR-448

1971

CDR Gerald C. Saladin
NOAA Ship DAVIDSON

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	Totem Bay
Red 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-13375

SUMNER STRAIT - RED BAY (EAST)

SOUTHEAST ALASKA

JUNE-AUGUST 1971

The field edit of map T-13375 was done by LTJG. Russell C. Arnold and LTJG. Howard W. Herz in June and August 1971. Inspection was made by small boat and on foot.

METHOD

Field photographs and a copy of the field ozalid were taken into the field. The MHWL was visually inspected with special attention given to areas in question on the ozalid. Changes to the MHWL and ledge limits have been delineated on the processed photographs. High points of rocks and ledges have been noted on the ozalid. All times are 105^{0W} meridian. All changes delineated on the photographs have been cross referenced on the ozalid. Notes were made on the following processed photograph:

69E2063 - changes made in red ink.

ADEQUACY OF COMPILATION

The compilation of this map was good. The MHWL is accurate in both configuration and location. Ledge limits and foul areas were in agreement except as noted. No fixed aids to navigation were located on this sheet. 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 photograph and the map be accepted as an advance manuscript.

Respectfully submitted,

Russell C. Arnold
Russell C. Arnold
LTJG. NOAA

Howard W. Herz
Howard W. Herz
LTJG. NOAA

APPENDIX

GEOGRAPHIC NAMES REPORT

LANDMARKS AND AIDS TO NAVIGATION REPORT

FORM C&GS-504

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

DESCRIPTIVE REPORT

Type of Survey GEOGRAPHIC NAMESField No. OPR-448 Office No. _____

LOCALITY

State ALASKAGeneral locality SOUTHEAST ALASKALocality S. KEKU STRAIT-SUMNER STRAIT1971

CHIEF OF PARTY

CDR GERALD C. SALADIN

LIBRARY & ARCHIVES

DATE _____

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. $56^{\circ}18'35''N$; Long. $133^{\circ}36'25''W$.) 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. $56^{\circ}19'32''N$; Long. $133^{\circ}36'45''W$.) Named after Percy Jackson who had a boat shop on the island. (Laurel "Buckshot" Woolery-Port Protection)

NOTE C: EAST ROCK (Sumner Strait: Lat. $56^{\circ}21'30''N$; Long. $133^{\circ}36'00''W$.) 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 DCUGLASS. 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 NAVIGATIONLANDMARKS

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&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

REVIEW REPORT
T-13375
SHORELINE

October 11, 1979

61. GENERAL STATEMENT:

Photograph, 69E(C)2063, referred to in the field edit report and on page 3b of this descriptive report was not available during final review.

The field editor recommended that the Creek joining Red Lake to Red Bay be named Red Bay Creek. (See Special Report on Geographic names attached to the Field Edit Report.) This name was not included on the Class I map. It was added during final review after approval, by phone, of the staff geographer, subject to action by the Board of Geographic Names.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Not applicable.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with a copy of Registered Smooth Sheet H-9216 (DA-10-4-71). The rock awash shown on the smooth sheet at lat. 56°16.8', long. 133°19.2' is not visible on the photographs and not shown on the map. The rock awash on the smooth sheet at lat. 56°16.7', long. 133°18.9' was delineated on the Class III Map as a submerged rock. The field editor recommended it be deleted from the map. This was complied with during application of field edit.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 17381, 1:20,000 scale 7th edition dated January 3, 1976.

The islet charted at lat. $56^{\circ}16.7'$, long. $133^{\circ}18.9'$ and the submerged rock charted northwest of it are not visible on the photographs. They were not identified by the field editor and are not shown on the map.

The chart does ^{not} show an islet which is mapped at the mouth of Creek No. 4.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted by:

A. L. Shands

A. L. Shands
Final Reviewer, AMC

Approved for forwarding:

Bill H. Barnes

B. H. Barnes
Chief, Photogrammetric Branch, AMC

Approved: ^{mu}

John D. Perrau Jr
Chif, Photogrammetric Branch

Walter S. ...
Chief, Photogrammetry Division

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