

T-12467

T-12467

ORIGINAL

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-12467.....
Classification No. Final Edition No. 1.....
Field Edited Map

LOCALITY

State Alaska
General Locality Sumner Strait
Locality Flicker Creek

19 69 TO 19 71

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, AMC Norfolk, Va.		SURVEY XX-T-12467 MAP EDITION NO. (1) MAP CLASS Final JOB PH- 6909	
OFFICER-IN-CHARGE Jeffrey Carlen, CDR/NOAA		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> 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: <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 1	
5. SCALE 1:10,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY		R. Kelly	Apr 1970
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY		P. Dempsey P. Dempsey	Sept 1970 Sept 1970
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 CONTOURS BY SCALE: 1:15,000 CHECKED BY		A. Shands B. Wilson NA NA	Oct 1970 Oct 1970
4. MANUSCRIPT DELINEATION PLANIMETRY BY METHOD: Smooth drafted CHECKED BY SCALE: 1:10,000 CONTOURS BY HYDRO SUPPORT DATA BY CHECKED BY		B. Barge L. Beugnet NA NA B. Barge R. Pate	Oct 1970 Oct 1970 Oct 1970 Oct 1970
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		L. Beugnet	Oct 1970
6. APPLICATION OF FIELD EDIT DATA BY		B. Wilson	Mar 1972
7. COMPILATION SECTION REVIEW BY		C. Bishop	May 1972
8. FINAL REVIEW BY		C. Blood	May 1972
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		A. L. Shands	Sept, 1979
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		A. L. Shands	Dec 1979
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		F. R. WATTS E. L. DAUGHERTY	FEB. 1980 JUN 1980

NOAA FORM 76-36B
(3-72)

T-12467

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

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 Pacific	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				MERIDIAN 120th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
69E(C) 985 & 986	8/5/69	12:36	1:30,000	3.2 ft. above MLLW	
69E(C) 2022-2024	8/24/69	14:27	1:20,000	8.0 ft. above MLLW	

REMARKS

Subord. Sta. Sumner Island, Sumner Strait, Alaska. Mean Range 10.3 Ft.

2. SOURCE OF MEAN HIGH-WATER LINE:

From the above list of photographs augmented by field notes.

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
No survey	T-12468	No survey	ph-87 & T-12466

REMARKS

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

T-12467

HISTORY OF FIELD OPERATIONS

1. ☒ 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 BY <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		2. VERTICAL CONTROL IDENTIFIED	
None		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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(3-72)

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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	G. Saladin	May 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	None None None
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input checked="" type="checkbox"/> SPECIFIC NAMES ONLY BY <input type="checkbox"/> NO INVESTIGATION	G. Saladin May 1971
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	G. Miller May 1971
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)

69E(C) 985

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 & 1 Field Edit Ozalid

NOAA FORM 76-36C
(3-72)

T-12467
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	Oct 1970	Class III manuscript superseded	12/11/70	12/14/70
Field Edit applied.	Mar 1972	Class I manuscript	None	
Final Review	Sept 1979	Final	4-4-80 Dec 1979	

II. LANDMARKS AND AIDS TO NAVIGATION None

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:

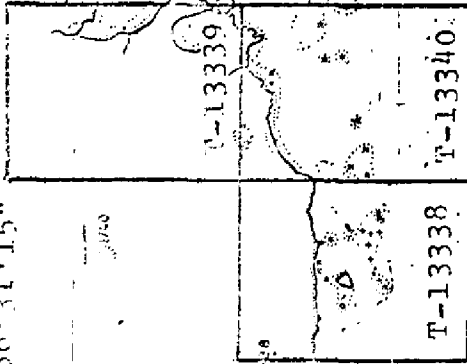
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

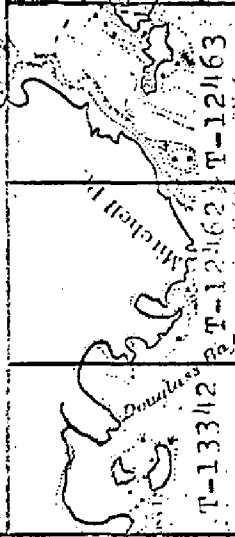
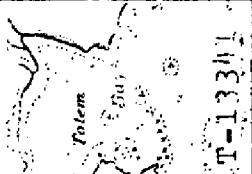
SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/>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

56°31'15"

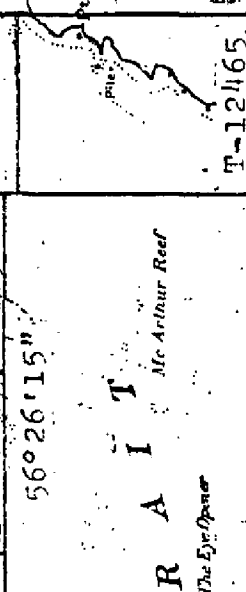
R A I



56°30'15"



56°26'



S U M M E R

S T R A I T

Mc Arthur Reef

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	1
T-13378	4
TOTAL	77

JOB PH-6909
SUMNER STRAIT, ALASKA

SHORELINE MAPPING

Scale 1:10,000

OFFICIAL MILEAGE FOR
COST ACCOUNTS

AREA

Low Pt.
St. John's Ilna

TOTAL

Shrubby

Shrubby

Shrubby

Shrubby

Shrubby

Shrubby

Shrubby

Shrubby

Shrubby

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-12467

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

Approved and forwarded,



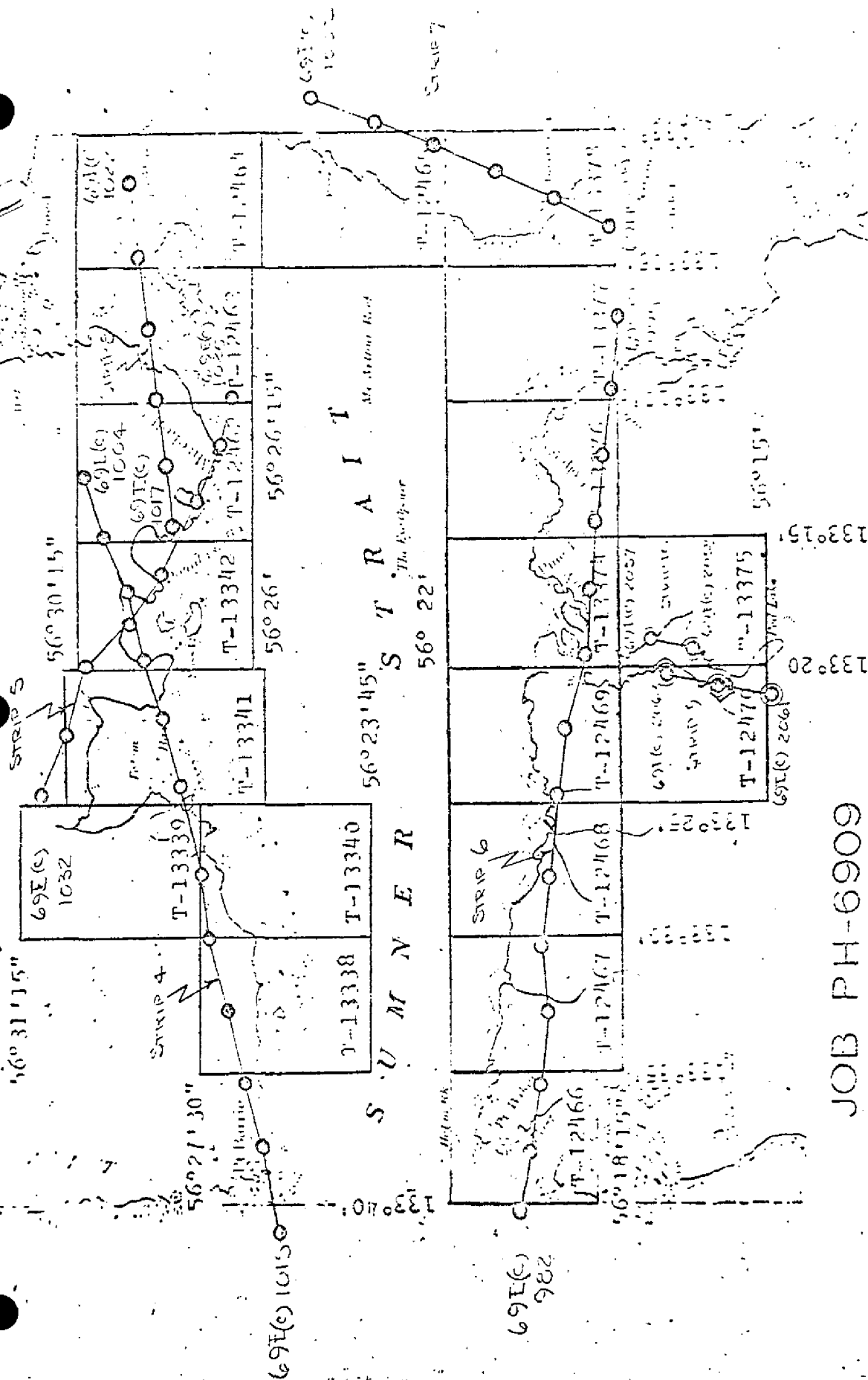
Henry P. Eichert
Chief, Aerotriangulation
Section



SUMNER STRAIT, ALASKA

CHOPLINE MAPPING

Sample 110,000



JOB PH-6909

SUMNER STRAIT, ALASKA

CHICHLING MAPING

000011 49725

LEGEND:

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

STRIP 1

- Δ LONG, 1929 $(-0.9, +1.1)$ FA
 Δ NEXT, 1929 $(+1.0, -1.9)$
 Δ SWINGUE, 1915 $(0.0, +1.0)$
 Δ BARRIE 2, 1915 $(+0.9, -3.3)$
 Δ END, 1927 $(+0.3, -0.4)$

STRIP 2

- Δ FRANK, 1934 $(0.0, -0.5)$
 Δ CUEEN, 1934 $(-0.5, +1.0)$
 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 SAUT 2, 1915 $(+2.1, +0.4)$
 Δ VERNZELKI ROCK LT, 1967 $(-1.6, -0.6)$

COMPILATION REPORT

T-12467

31. DELINEATION:

The Wild B-8 was used for delineation.

Tandem photography of color and infrared at 1:20,000 scale were flown for this project. These were at approximate half tide and therefore the infrared were not used for mean high water or mean lower low water compilation. The color photos are to be used for hydro support.

Because of overhang of the compilation photos, parts of the mean high water line were delineated with the hydro support photos. These areas are near latitude $56^{\circ} 21' 00''$ and between longitudes $133^{\circ} 32' 00''$ and $133^{\circ} 33' 00''$.

There was no field inspection prior to compilation.

32. CONTROL:

See Aerotriangulation Report, PH-6909, Sumner Strait, Alaska, dated April 29, 1970.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

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

35. SHORELINE AND ALONGSHORE DETAILS:

The shoreline and alongshore details were done from office interpretation of the photographs, and from the B-8 plotter.

36. OFFSHORE DETAILS:

No statement.

37. LANDMARKS AND AIDS:

None.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

Junctions have been made with T-12466 and Ph-87 to the west and T-12468 to the east. There are no contemporary surveys to the north and south.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with USGS Quadrangle PETERSBURG (B-5), ALASKA, scale 1:63,360, dated 1949.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with USC & GS Chart 8201, scale 1:217,828, 15th edition, dated November 15, 1969 (corn thru NM/46/69).

Submitted by:

Albert C. Rauck, Jr. FOR
B. L. Barge
Cartographic Tech.
October 29, 1970

Approved:

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

September 23, 1970

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6909 (Alaska)

T-12467

- ✓ Alder Creek
- ~~Baker Creek~~ *FW*
- ✓ Flicker Creek
- ~~Merrifield Bay~~ *FW*
- ✓ Prince of Wales Island
- ✓ Sumner Strait

Approved by:

A. J. Wright
 A. Joseph Wright
 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 - 12467

1. PROJECTION AND GRIDS LFB		2. TITLE LFB		3. MANUSCRIPT NUMBERS LFB		4. MANUSCRIPT SIZE LFB	
CONTROL STATIONS							
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY LFB				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 C. BISHOP		10. PHOTOGRAMMETRIC PLOT REPORT LFB		11. DETAIL POINTS LFB	
ALONGSHORE AREAS (Nautical Chart Data)							
12. SHORELINE LFB		13. LOW-WATER LINE LFB		14. ROCKS, SHOALS, ETC. LFB		15. BRIDGES LFB	
16. AIDS TO NAVIGATION C. BISHOP		17. LANDMARKS C. BISHOP		18. OTHER ALONGSHORE PHYSICAL FEATURES LFB		19. OTHER ALONGSHORE CULTURAL FEATURES LFB	
PHYSICAL FEATURES							
20. WATER FEATURES LFB				21. NATURAL GROUND COVER LFB		22. PLANETABLE CONTOURS NA	
23. STEREOSCOPIC INSTRUMENT CONTOURS NA		24. CONTOURS IN GENERAL NA		25. SPOT ELEVATIONS NA		26. OTHER PHYSICAL FEATURES LFB	
CULTURAL FEATURES							
27. ROADS LFB		28. BUILDINGS LFB		29. RAILROADS LFB		30. OTHER CULTURAL FEATURES LFB	
BOUNDARIES							
31. BOUNDARY LINES NA				32. PUBLIC LAND LINES NA			
MISCELLANEOUS							
33. GEOGRAPHIC NAMES LFB				34. JUNCTIONS LFB		35. LEGIBILITY OF THE MANUSCRIPT LFB	
36. DISCREPANCY OVERLAY LFB		37. DESCRIPTIVE REPORT LFB		38. FIELD INSPECTION PHOTOGRAPHS NA		39. FORMS LFB	
40. REVIEWER L. F. B. <i>Albert C. Rauck, Jr. for</i>				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> B. Wilson 3/29/72				SUPERVISOR <i>Albert C. Rauck, Jr.</i> A. C. Rauck, Jr.			
Reviewer: C. Bishop 5/72 <i>Charles H Bishop</i>							
43. REMARKS Field Edit applied from: See two forms 76-36C items 3, 7, & 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-12470	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-12467
SUMNER STRAIT - FLICKER CREEK
SOUTHEAST ALASKA
MAY 1971

The field edit of T-12467 was completed by LTJG. Gregory L. Miller with the assistance of Mr. Lowell C. Neterer Jr. in May 1971. Inspection was on foot and from a small boat.

METHOD

The field photographs, along with a copy of the field edit ozalid were used while physically inspecting the entire shoreline of the map. Careful attention was given to the marked areas in question on the field edit ozalid. While observing the shoreline some areas were found to be in disagreement and these areas were revised on the photographs.

Although the 900 series photographs were not taken at low water, the ledge areas showed well due to the fact that the ledges are very steep. The foul areas are foul with kelp which holds debris and in many instances were mistaken for rocks. Depths in the foul areas should be referred to the boatsheet DA-10-3-71. A copy of the boatsheet will be forwarded.

Notes have been made on the field edit ozalid and cross-referenced to the 69-E(C)-985 photograph. All time is based on the 105° W. meridian.

ACCURACY OF COMPILATION

Compilation is good. Hydrographic location of detail compares well with the photogrammetric location.

RECOMMENDATIONS

It is recommended that this map be revised in accordance with the notes on the photographs, field edit ozalid and boatsheet and that the map be accepted as an advance manuscript.

Respectfully submitted,

Gregory L. Miller
Gregory L. Miller
LTJG. 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 DOUGLAS. 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 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

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

STRIKE OUT TWO

August 26, 1971

I recommend that the following objects which have ~~(have-not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by

car Gerald C. Saladin
Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *non/floating aids* to navigation, if redetermined, shall be reported on this form. Revisions show both the old and new positions. The data should be considered for the charts of the area and not by individual old survey sheets. Information under each heading should be given.

* TABULATE SECONDS AND METERS

REVIEW REPORT

T-12467

SHORELINE

September 20, 1979

61. GENERAL STATEMENT:

See Summary, page 6 of this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC MAPS:

Comparison was made with registered survey No. 1749, 1:80,000 scale dated 1886. Differences are due to scale and advancements in survey equipment, techniques and procedures. T-12467 supersedes Survey No. 1749 for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS Quadrangle, Petersburg (B-5), Alaska. There are no significant differences.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with a copy of registered Smooth Sheets H-9215 (DA-10-3-71) and H-8149, 1:10,000 scale, dated May-August, 1954. H-8149 is not a contemporary survey. T-12467 is not the source of shoreline and alongshore features on H-8149. Differences are attributable to that fact. H-9215 is a contemporary survey. There are no differences.

65. COMPARISON WITH NAUTICAL CHARTS:

The area is covered by Chart 17360 at 1:217,828 scale.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the 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

Approved for forwarding:

B. H. Barnes

B. H. Barnes
Chief, Photogrammetric Branch, AMC

Approved: *HW*

John D. Perrau Jr.
Chief, Photogrammetric Branch

Nathan Shands

Chief, Photogrammetric Branch

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 ORIGINALS