

T-13378

ORIGINAL

T-13378

NOAA FORM 76-35 (3-76)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. T-13378	Edition No. 1
Job No. PH-6909	
Map Classification Final Field Edited Map	
Type of Survey Shoreline	
LOCALITY	
State Alaska	
General Locality Sumner Strait	
Locality Macnamara Point	
19 69 TO 19 75	
REGISTRY IN ARCHIVES	
DATE	

NOAA FORM 76-36B
(3-72)

T-13378

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

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC 8 "E" & "K"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				Pacific	
				MERIDIAN	
				120th	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
69E(C) 997 -999A	8/5/69	12:50PST	1:30,000	4.4 ft. above MLLW	
69E(C) 2002-2004	8/5/69	14:12PST	1:20,000	8.6 ft. above MLLW	
69K(I) 3744-3746	7/18/69	10:26PST	1:20,000	0.4 ft. below MLLW	
69E(C) 572	7/18/69	10:26PST	1:20,000	0.4 ft. below MLLW	

REMARKS

Subord. Sta. LEVEL ISLANDS, 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	EAST	SOUTH	WEST
T-12465	TP-00565 CM-7206	TP-00565 CM-7206	T-13377
REMARKS			

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYT-13378
HISTORY OF FIELD OPERATIONSI. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Moses	Jun 1969
2. HORIZONTAL CONTROL	RECOVERED BY GHE, L. Riggers	Jun 1969
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY GHE, L. Riggers	Jun 1969
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	
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

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
69E(C)998 & 999	MARE 2		

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)

2-Forms 152

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(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

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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: None ESTABLISHED BY: None PRE-MARKED OR IDENTIFIED BY: None	
3. VERTICAL CONTROL	RECOVERED BY: NA ESTABLISHED BY: NA PRE-MARKED OR IDENTIFIED BY: NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY: H. Herz LOCATED (Field Methods) BY: None IDENTIFIED BY: H. Herz	Aug 1971 Aug 1971
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input checked="" type="checkbox"/> SPECIFIC NAMES ONLY BY <input type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY: H. Herz	Aug 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)997, 69E(C) 999

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-Form 76-40

NOAA FORM 76-36C
(3-72)

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

T-13378

HISTORY OF FIELD OPERATIONS

I. ☐ 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	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	J. Sarb
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) 2002-2003 & 69K(I) 3746K

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

T-13378
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	Feb 1971	Class III manuscript	3/30/71	3/16/71
Field edit applied (partial)	Jul 1974	Class III		8/8/74
Final Review	Nov 1979	Final	4-4-80 Dec 1979	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

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

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 7/29/743. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

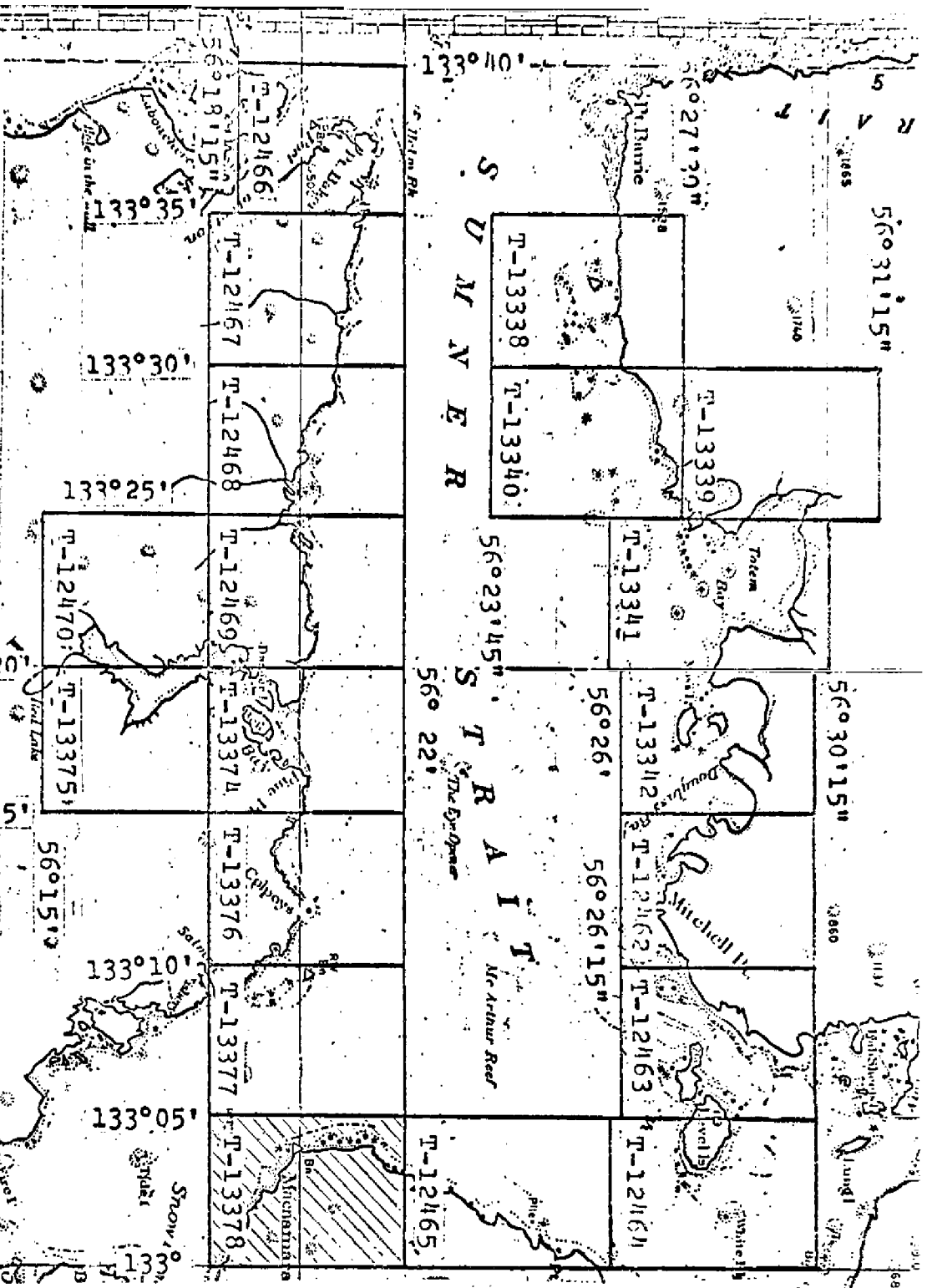
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS ~~XXX~~ ⁷⁶⁻⁴⁰ SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS: 76-40 by field party lost-not available at time
of final review A. L. S. Nov, 79
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	

JOB PH-6909 SUMNER STRAIT, ALASKA SHORELINE MAPPING

Scale 1:10,000



OFFICIAL MILEAGE FOR COST ACCOUNTS		AREA	SHEET NO.	SQ. MILES
T-13338	3			
T-13339	3			
T-13340	2			
T-13341	4			
T-13342	4			
T-12462	5			
T-12463	4			
T-12464	5			
T-12465	4			
T-12466	5			
T-12467	4			
T-12468	5			
T-12469	4			
T-12470	5			
T-13374	5			
T-13375	5			
T-13376	5			
T-13377	5			
T-13378	5			
TOTAL	77			

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-13378

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.

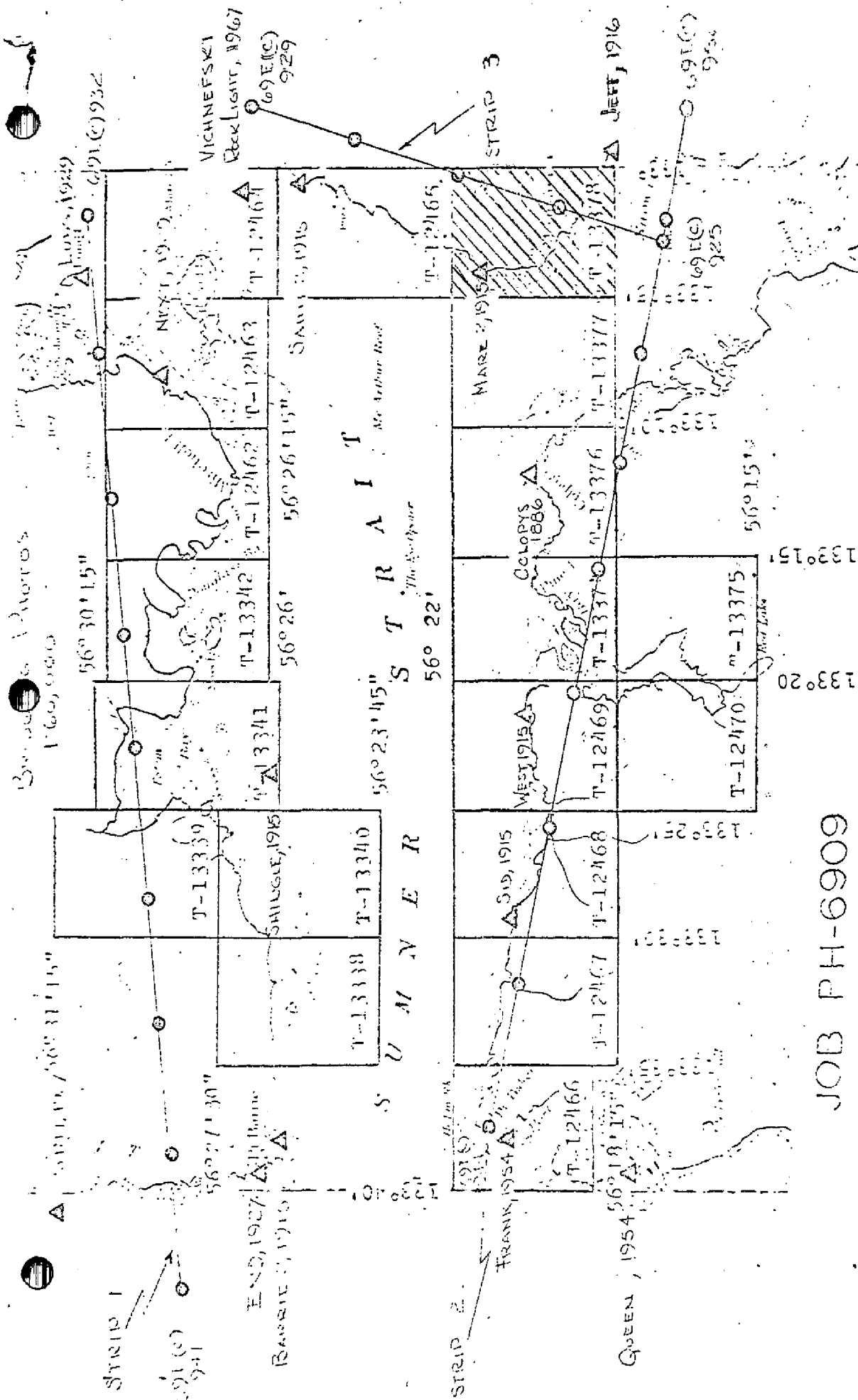
Submitted by,

Robert B. Kelly
Robert B. Kelly

Approved and forwarded,

Henry P. Eichert

Henry P. Eichert
Chief, Aerotriangulation
Section



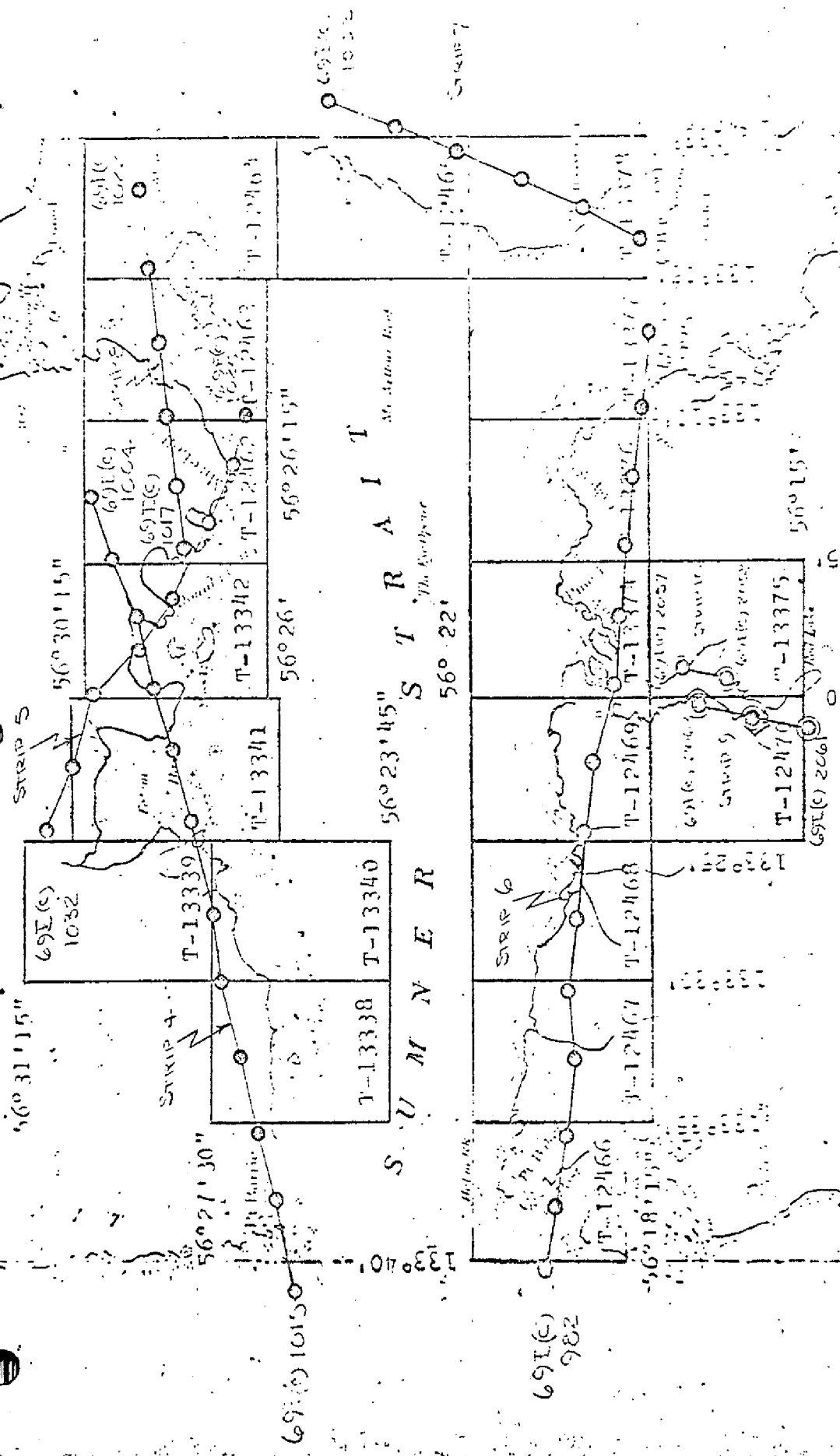
JOB F H-6909

SUMNER STRAIT, ALASKA

CHOPLINE MAPPING

Scale 110,000

COMPILED FROM 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 PARENTHESIS
 Δ CONTROL USED AS CHECK.

STRIP 1

- Δ LONG, 1929 (-0.9, +1.1) Fk
 Δ NEXT, 1929 (+1.0, -1.9)
 Δ SHINGLE, 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 3, 1915 (-0.7, -0.3)
 Δ SAINT 2, 1915 (+2.1, +)
 Δ VIK-NEFKI KOCK LT, 1947 (-1.6, -0.6)

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	GEODETIC DATUM		COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY Coastal Mapping Division, Norfolk, Va.	
					STATE	ZONE	Alaska	1	ϕ LATITUDE	λ LONGITUDE	FORWARD	BACK
T-13378	PH-6909	MARE 2, 1915	G.P. Vol 1 142		$x=$				ϕ 56 21	21.964	679.3	1176.5
					$y=$				λ 133 04	04.680	80.4	949.9
MAC, 1916			" "		$x=$				ϕ 56 19	52.502	1623.9	231.9
					$y=$				λ 133 03	52.377	900.0	131.0
EGG, 1916			Vol 1 143		$x=$				ϕ 56 19	10.089	312.1	1543.7
					$y=$				λ 133 02	33.226	571.1	460.2
MACNAMARA POINT DAYBEACON, 1967			Field G-13955		$x=$				ϕ 56 19	52.080	1610.8	245.0
					$y=$				λ 133 03	50.837	873.5	157.5
					$x=$				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	9/14/70				COMPUTATION CHECKED BY	C. E. Blood	DATE	10/5/70
LISTED BY				DATE					LISTING CHECKED BY		DATE	
HAND PLOTTING BY				DATE					HAND PLOTTING CHECKED BY		DATE	

COMPILATION REPORT

T-13378

SHORELINE

31. DELINEATION:

The Wild B-8 was used to compile all detail north of Latitude $56^{\circ}19.4'$ except the MLLWL. The detail south of Latitude $56^{\circ}19.4'$ was compiled graphically. The graphic compilation was made necessary because Model 69E(C) 997-998 could not be set on the B-8 due to insufficient land area distribution.

The compilation photography (scale 1:30,000) was taken with color film at 4.4 ft. above MLLW. Two 1:20,000 scale offshore tandem flights of color and infrared were also provided. One along the west shoreline taken at 8.6 ft. above MLLW and the other along the south shoreline taken at 0.2 ft. below MLLW. Coverage was adequate.

There was no field inspection prior to compilation.

32. CONTROL:

See Aerotriangulation 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:

The shoreline and all alongshore details were delineated from office interpretation of the photographs, and the stereo models.

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:

Junctions are in agreement with T-12465 to the north and T-13377 to the west. To the east and south there is an overlap junction into TP-00565, of project CM-7206.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with USGS Quadrangle

PETERSBURG (B-4), ALASKA, scale 1:63,360 and dated 1949 with minor revisions in 1964.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with Chart 8160, scale 1:80,000, seventh edition dated July 4, 1970. Corrected thru N.M. 27/70.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

A. L. Shands

A. L. Shands
Cartographer
March 15, 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-13378

- ✓ Clarence Strait
- ✓ Macnamara Point
- ✓ Sumner Strait
- ✓ Zarembo Island

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 - 13378

1. PROJECTION AND GRIDS ALS	2. TITLE ALS	3. MANUSCRIPT NUMBERS ALS	4. MANUSCRIPT SIZE ALS
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY ALS	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 FM	10. PHOTOGRAMMETRIC PLOT REPORT ALS	11. DETAIL POINTS ALS
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE ALS	13. LOW-WATER LINE ALS	14. ROCKS, SHOALS, ETC. ALS	15. BRIDGES ALS
16. AIDS TO NAVIGATION FM	17. LANDMARKS FM	18. OTHER ALONGSHORE PHYSICAL FEATURES ALS	19. OTHER ALONGSHORE CULTURAL FEATURES ALS
PHYSICAL FEATURES			
20. WATER FEATURES ALS	21. NATURAL GROUND COVER ALS		22. PLANETABLE CONTOURS NA
23. STEREOSCOPIC INSTRUMENT CONTOURS NA	24. CONTOURS IN GENERAL NA	25. SPOT ELEVATIONS NA	26. OTHER PHYSICAL FEATURES ALS
CULTURAL FEATURES			
27. ROADS ALS	28. BUILDINGS ALS	29. RAILROADS ALS	30. OTHER CULTURAL FEATURES ALS
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES ALS	34. JUNCTIONS ALS		35. LEGIBILITY OF THE MANUSCRIPT ALS
36. DISCREPANCY OVERLAY ALS	37. DESCRIPTIVE REPORT ALS	38. FIELD INSPECTION PHOTOGRAPHS FM	39. FORMS ALS
40. REVIEWER <i>Arnold L. Shands</i> Arnold L. Shands 3/16/71		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 Partial field edit <i>Fred Gustafson</i> 7/74 Reviewed by: <i>Fa Margiotte</i> 7/74		SUPERVISOR <i>Albert C. Rauck, Jr.</i> A. C. Rauck, Jr.	
43. REMARKS Field Edit applied from: See forms 76-36C Items 3, 7 & 8. T-13378 position overlay T-13378			

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-13378
SUMNER STRAIT - MACKAMARA POINT.
SOUTHEAST ALASKA
AUGUST 1971.

The field edit of map T-13378 was done by Lt(jg). Howard W. Herz on August 11, 1971. Inspection was done with a 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 have been indicated on the ozalid and delineated on the photographs. High points of rocks and ledges were noted both on the ozalid and photographs. All times shown are 105° W meridian. Limits of ledges and kelp were noted and corrected where necessary. Changes delineated on the photographs have been referenced on the ozalid. Notes were made on the following photographs:

69E997

69E999

ADEQUACY OF COMPILATION

The compilation of this map was good. The MHWL appears to be accurate in both configuration and location. Numerous kelp beds near the southern end of the sheet were investigated for rocks. Most of these areas proved to be deep seated kelp and the rock symbols were deleted when disproved. One aid to navigation is located on the sheet and Form 567 has been submitted. No land marks or cultural features exist in the sheet area. 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 the map be accepted as an advance manuscript.

Respectfully submitted,

Howard W. Herz
Howard W. Herz
Lt(jg). 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 (Buckshot), 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 whose 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 "LITTIE 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 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.

#		C&GS	CG
----	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' 29.69"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

TO BE CHARTED
TO BE REVISED
TO BE DELETED

STRIKE OUT TWO

I recommend that the following objects which have ~~(been 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

August 26, 1971

Mr. Gerald C. Sebold

Chief of Party.

[illegible][illegible]

13 h

ABSTRACT

100

FORM C&GS-504

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEYFIELD EDIT
DESCRIPTIVE REPORTSType of Survey FIELD EDIT

T-13376-78 &

Field No. n/a Office No. T-12462-65

LOCALITY

State ALASKAGeneral locality SOUTHEASTLocality SUMNER STRAIT19 75

CHIEF OF PARTY

CDR M. H. FLEMING, NOAA

LIBRARY & ARCHIVES

DATE _____

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 (COMPLIT 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 R292320# 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

OPR-448

SUMNER STRAIT, AK

FIELD EDIT REPORT

TP-13378

MACNAMARA

NOAA SHIP DAVIDSON

1975

CDR M.H. FLEMING, CMDG

(51 METHODS)

Field Edit on TP-13378 was accomplished by two methods. 1971 Field Edit was conventional, and reported previously. The 1975 Field Edit was accomplished under project instructions OPR-448-DA-75, Change No. 2, dated 7 July 1975, as per Change No. 4-75 PMC OPODER.

OPODER procedures for Field Edit with HYDROPLOT support, not in conjunction with Hydrography, were used.

Field Edit Sheets and Office photographs 69E2002-3 and 69K-3746K were taken into the field to investigate and identify questioned features.

The Field Edit investigation was performed on September 11, 1975, from a small skiff equipped with Motorola MINI RANGER III equipment (Console S/N 716 and R/T S/N 709) on a rising tide.

Fixes were controlled electronically with Motorola MINI RANGER III. Fixes were plotted in the field. Where the fixes confirmed photogrammetric compilation, no fix data was recorded. Fixes were recorded for the location of new features or revision of incorrectly compiled features.

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

All times are referenced to GMT(Z).

A tide gage was installed at Little Level Island to provide tides data. This gage was not required by project instructions, but should assist in defining tides for this sheet.

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

Field Edit Notes were placed on the office copy of the photographs because these were the only photographs supplied. Care was exercised not to obliterate the image referred to.

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

<u>INK COLOR</u>	<u>USE</u>
BLACK	Verified features
GREEN	Deletions
RED	New features or 1975 Field Edit
VIOLET	1971 Field Edit

Where fixes were required, three independent, calibrated MINIRANGER rates were observed and recorded along with feature data on the appended abstracts.

The abstracts were processed as follows:

1. When the field editor took a fix, he radioed position data to the ship. Program RK300 function 10 (electronic rates to electronic rates) was used to immediately compute the true third rate from two field rates corrected for calibration errors. The computed third rate was then compared to the observed rate to assure an accurate fix had been obtained. If the fix was acceptable, the field editor moved on. The results of this computation are recorded on the abstracts in red ink directly below each observed rate.

2. The pair of rates which yielded the strongest fix was then circled and logged on the HYDROPLOT master Detached Position tape for plotting. Also, RK300 function 3 (electronic rates to xy and g.p.) was employed to compute the geodetic position of the fix. G.P.'s obtained were recorded with the feature description on the abstract.

3. RK211 was used to plot logged fixes on the field edit overlay. Paper overlays were produced instead of the recommended mylar overlay due to the cost of mylar, the fact that a g.p. was computed and tabulated for each position, and the small number of fixes.

All fixes meet NOS position accuracy requirements as defined in section 1.12 of the PROVISIONAL HYDROGRAPHIC MANUAL. The tabulated position may be accepted as verified.

(52 ADEQUACY OF 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. This may be due in part to the abundance of low-water infrared and color photography. Dense kelp, however, was mistaken for rocks or ledges on many occasions.

(54 RECOMMENDATIONS)

This manuscript should be considered complete with corrections compiled by this Field Edit.

(56 MISCELLANEOUS)

No FORMS 76-40 were provided for this manuscript.

Field sheets were constructed and MINI RANGER arcs were applied using a PDP8/e computer and program RK 201 (GRID, SIGNAL, & LATTICE PLOT, ver. 8/16/75).

MINI RANGER fixes were computed using a PDP8/e computer and program RK 300 (UTILITY COMPUTATIONS, ver. 5/22/75).

Submitted,

James D. Sarb

James D. Sarb
LTJG, NOAA

Approved and Forwarded,

M. H. Fleming

M. H. Fleming
CDR, NOAA
Chief of Party

14f

T- 13378 VESSEL 3/31 DAY 254
 CONSOLE sn 710 R/T sn 719

CODE:
 CORR:
 STA:

1	4	2	1
-1	-2	-2	-1
8	4	10	8

F/X	GMT	FEATURE	LEFT	RIGHT	LEFT ✓	RIGHT ✓
1	1848	ledge, NE edge uncor 115 ft analytically computed G.P.: $\phi = 56^{\circ} 21' 50.54'' N$ $\lambda = 133^{\circ} 03' 22.30'' W$	9147 (13036)	13036 (18991)	8991	9148 (9147)
2	1904	outer limit of kelp $\phi = 56^{\circ} 21' 36.41'' N$ $\lambda = 133^{\circ} 04' 05.55'' W$	8303 (12824)	12822 → 8302	8302 → 8308	13106 13109
3	1914	ledge cor 0.7 fm (fathometer depth) 1.0 fm = 6 ft (true depth) $\phi = 56^{\circ} 21' 32.36'' N$ $\lambda = 133^{\circ} 04' 03.93'' W$	8291 (12935)	12933 → 8291	8291	13161 13165
4	1929	ledge cor 2.2 fm (fathometer depth) 2.5 fm = 15 ft (true depth) $\phi = 56^{\circ} 21' 26.35'' N$ $\lambda = 133^{\circ} 04' 10.68'' W$	8126 (12945) 8245	12943 → 8125	8126 → 8125	13094 13097

10/20/20

T- 13378 VESSEL 3138 DAY 254
 CONSOLE sn 716 R/T sn 709

CODE:
 CORR:
 STA:

F/X	GMT	FEATURE	LEFT	RIGHT	LEFT	RIGHT
5	1930	Seaward extent of ledge. under 4ft $\phi = 56^{\circ} 18' 39.04" N$ $\lambda = 133^{\circ} 00' 48.45" W$	4179 4179	116312	4179	18230
			4184	116312	4184	18226
6	2041	Rt approach (exposed portion of covered ridge running NW-SE)	2	4	2	3
			5	1	5	-1
			10	4	10	3
			4894	15848	4895	14612
			4900	15850	4900	14611
7	2045	Seaward extent of kelp bed and ridge $\phi = 56^{\circ} 19' 36.90" N$ $\lambda = 133^{\circ} 03' 51.38" W$	4860	15865	4860	14605
			4865	15866	4865	14604
8	2051	Northern extent of ledge: 50m long, 17m wide under 15 ft. Runs parallel to a line joining MacNamara Pt and Salmon Bay $\phi = 56^{\circ} 19' 43.34" N$ $\lambda = 133^{\circ} 03' 46.16" W$	5055	15758	5054	14603
			5059	15757	5059	14602

14h

1. 13378 VESSEL 3138 DAY 254
 CONSOLE sm 776 R/T sm 709

CODE:
 CORR:
 STA:

FIX	GMT	FEATURE	LEFT	RIGHT	LTV	RGV
9	2110	Northern extent of ledge under 4ft $\phi = 56^{\circ} 20' 05.01'' N$ $\lambda = 133^{\circ} 03' 50.42'' W$	8144	15169 70'	14256	15768 70'
10	2113	Southern extent of ledge $\phi = 56^{\circ} 20' 01.94'' N$ $\lambda = 133^{\circ} 03' 52.18'' W$	8117	15228	14266	15231 29'

1320

FUNCTION = 3

ELECTRONIC STATIONS(S1,M,S2)= 8.5.4 /

PATTERN 1= 9146
PATTERN 2= 13034

X = 17225.812
Y = 12733.166

LATITUDE = 56/21/53.537
LONGITUDE= 133/03/22.302

PATTERN 1= 8302
PATTERN 2= 12022

X = 15481.839
Y = 12345.697

LATITUDE = 56/21/36.411
LONGITUDE= 133/04/05.543

PATTERN 1= 8290
PATTERN 2= 12933

X = 16509.276
Y = 12220.217

LATITUDE = 56/21/32.357
LONGITUDE= 133/04/03.926

PATTERN 1= 8125
PATTERN 2= 12993

X = 16392.711
Y = 12034.926

LATITUDE = 56/21/26.354
LONGITUDE= 133/04/10.678

PATTERN 1=

FUNCTION = 3

ELECTRONIC STATIONS(S1,M,S2)= 10.0.8 /

PATTERN 1= 4184
PATTERN 2= 11631

X = 19851.769
Y = 6849.403

LATITUDE = 56/18/39.037
LONGITUDE= 133/00/48.446

T-13378

RK 300

function 3

ELEC → XYGP

FUNCTION = 3

ELECTRONIC STATIONS(S1,M,S2)= 12,0,3

PATTERN 1= 4900

PATTERN 2= 14611

X = 13731.567

Y = 8684.925

LATITUDE = 56/19/38.882

LONGITUDE= 133/03/50.291

PATTERN 1= 4865

PATTERN 2= 14604

X = 13704.991

Y = 8648.353

LATITUDE = 56/19/33.897

LONGITUDE= 133/03/51.830

PATTERN 1= 5059

PATTERN 2= 14602

X = 13803.076

Y = 8847.375

LATITUDE = 56/19/43.342

LONGITUDE= 133/03/46.161

PATTERN 1=

FUNCTION = 3

ELECTRONIC STATIONS(S1,M,S2)= 8,0,4

PATTERN 1= 8144

PATTERN 2= 15170

X = 16732.050

Y = 9317.926

LATITUDE = 56/20/05.014

LONGITUDE= 133/03/50.425

PATTERN 1= 8117

PATTERN 2= 15229

X = 16701.610

Y = 9422.949

LATITUDE = 56/20/01.940

LONGITUDE= 133/03/52.178

T-13378

RK300

ELEC → XYGP

IAFFIC REQUEST

13378

OPR 448

Field No.

Requested by

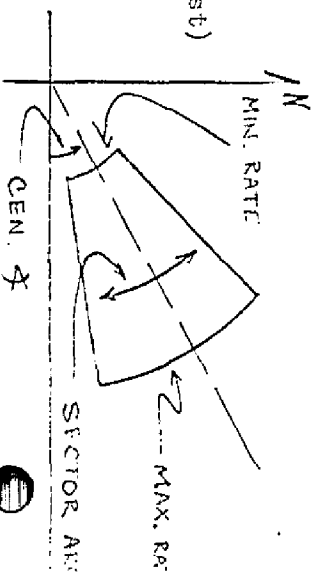
Date Required

Form CPM 32-2 (11/74)

Station Numbers STA 1 STA 2		R-R Sector Description for Plotting CEN. \star SECTOR ARC $^{\circ}$	MIN RATE	MAX RATE	Pen Color	Plot Lattice On Overlays
003	CODE 3	HYPERBOLIC	95, 125	13,000	19,000	RED
001	CODE 4	MITCHELL 2	125, 155	12,000	20,000	BLACK
008	CODE 1	FT COLPOYS	60, 110	7,000	12,000	BLUE
009	CODE 1	FT COLPOYS	27, 85	4,000	10,000	GRN
010	CODE 2	EDIT	390, 65	3,000	9,000	GRN
I3 1-3	I3 5-7	I3 22-24	I3 26-28	F8.2 30-37	F8.2 39-46	A3 48-50

STA 2 will be blank for R/R; slave if Hyperbolic

CEN. \star Central angle of R-R sector to be plotted (in degrees CW from East)
SECTOR ARC $^{\circ}$ degrees of R-R arc sector to be plotted (blank implies 0)
MIN RATE to be plotted to two decimals (blank implies 0)
MAX RATE to be plotted to two decimals (blank implies infinity)



[illegible]

REVIEW REPORT
T-13378
SHORELINE

November 26, 1979

61. GENERAL STATEMENT:

See Summary, page 6 of this descriptive reports.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

No comparison was 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 are shown farther seaward on the map than on the quadrangle. The small island shown on the quadrangle northeast of station MARE 2 is not shown on the map. There is evidence on the photographs however, supportive of its existence.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with a copy of registered Smooth Sheet H-9269 (DA-10-1-72), which covers the area of this map from lat. $56^{\circ}20'00''$ Northward. There is no contemporary hydrographic survey south of lat. $56^{\circ}20'00''$.

Heights of rocks offshore from station MARE 2, 1915 were changed during final review to agree with data supplied by the field editor.

65. COMPARISON WITH NAUTICAL CHARTS:

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

APPROVED FOR FORWARDING:

Billy H. Barnes

B. H. Barnes
Chief, Photogrammetric Branch, AMC

Approved: *HW*

John D. Perrow Jr.

Chief, Photogrammetric Branch

Walters

Chief, Photogrammetric Division



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SURVEY
ATLANTIC MARINE CENTER
439 West York Street
Norfolk, VA 23510

December 11, 1979

TO: Chief, Hydrographic Surveys Division
C35
A. L. Shands
FROM: A. L. Shands
Final Reviewer, AMC
SUBJECT: Changes made to Class I Maps during Final Review

The following is a list of changes made to Class I Maps which affect contemporary hydrographic surveys of the area of Sumner Strait, Alaska.

T-13340

1. The shoreline at Totem Point was revised to more accurately reflect the field editors recommendation and the photographic evidence.
2. The large reef WSW of Totem Point was deleted from the map to avoid conflict with that shown on the smooth sheet. The depiction on the smooth sheet more closely resembles images on the photographs.
3. Several unlabeled areas enclosed with dashed lines are shown on the Class I Map in the cove area west of Totem Point. These were labeled "Kelp" during final.

T-13341

1. Position of reef 2 miles N.E. of Shingle Island was revised to agree with photo position. Field editors identification of this feature on ratio photo 69E(C)2038 is in obvious error. See ratio photo 67E(C)577; stage of tide = -0.2 ft.



2. A 4 ft. rock elevation at lat. $56^{\circ}29.6'$, long. $133^{\circ}22.8'$ was deleted from the map to avoid conflict with the smooth sheet which shows a 2 ft. elevation on that same rock.

T-13376

1. It appears that something other than a Class I copy was the source of shoreline for H-9220. None of the field edit changes and additions are shown.
2. A small kelp area at lat. $56^{\circ}19.7'$, long. $133^{\circ}14.1'$ recommended by the field editor was added to the map during final review.

T-13378

1. The elevation of several rocks and ledges near station MARE 2, 1915 were changed to agree with the field edit notes in that area.
2. A ledge area north of station MARE 2, 1915 was extended northward as recommended by the field editor on ratio 69E(C)2002.

T-12465

1. Several enclosed dashed lines shown on the Class I Map labeled "Rf" were relabeled "submerged reef" during final review.
2. At lat. $56^{\circ}23.7'$, long. $133^{\circ}01.7'$ an enclosed dashed line was labeled "Rf" on the Class I Map. Close examination of the photography reveals this feature to be well above the sounding datum. It is now shown with a reef awash symbol.
3. The unlabeled feature shown on the Class I Map at lat. $56^{\circ}22.2'$, long. $133^{\circ}02.7'$ was determined to be two small buildings on a platform. It has been labeled "Bldgs on platform" on the final map.

None of the above features are shown on the registered copy of H-9269 forwarded to this office.

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