

T-13342

ORIGINAL

T-13342

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-13342

Classification No. FINAL Edition No. 1

Field Edited Map

LOCALITY

State Alaska

General Locality Sumner Strait

Locality Moss Island

1969 TO 1971

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY

- ☒ ORIGINAL
☐ RESURVEY
☐ REVISED

SURVEY TP. 13342

MAP EDITION NO. (1)

MAP CLASS Final

JOB PH. 6909

PHOTOGRAMMETRIC OFFICE

Coastal Mapping Division
Norfolk, Va.

OFFICER-IN-CHARGE

Jeffrey Carlen, CDR

LAST PRECEDING MAP EDITION

TYPE OF SURVEY

- ☐ ORIGINAL
☐ RESURVEY
☐ REVISED

JOB PH. _____

MAP CLASS _____

SURVEY DATES:

19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE

Aerotriangulation October 2, 1969
Compilation September 14, 1970
Compilation November 6, 1970
Compilation Amend. I November 20, 1970

2. FIELD

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

ZONE

Alaska

1

5. SCALE

1:10,000

STATE

ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION	BY	R. Kelly	Apr 1970
METHOD: Analytical	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	P. Dempsey	Aug 1970
METHOD: Coradomat	CHECKED BY	P. Dempsey	Aug 1970
3. STEREOSCOPIC INSTRUMENT	PLANIMETRY BY	A. L. Shands	Dec 1970
COMPILATION	CHECKED BY	R. White	Dec 1970
INSTRUMENT: Wild B8 & graphic	CONTOURS BY	NA	
SCALE: 1:15,000	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	F. Margiotta	Dec 1970
	CHECKED BY	L. Graves	Dec 1970
METHOD: Smooth drafted	CONTOURS BY	NA	
1:10,000	CHECKED BY	NA	
SCALE:	HYDRO SUPPORT DATA BY	F. Margiotta	Dec 1970
	CHECKED BY	L. Graves	Dec 1970
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	L. Graves	Jan 1971
6. APPLICATION OF FIELD EDIT DATA	BY	T. Bulfer	Dec 1971
	CHECKED BY	L. Graves	Dec 1971
7. COMPILATION SECTION REVIEW	BY	L. Graves	Dec 1971
8. FINAL REVIEW	BY	A. L. Shands	Sept 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 SURVEY

T-13342

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC 8 "E" & "K"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Pacific	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 120th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
69E(C) 1007 & 1008	8/5/69	13:52	1:30,000	3.1 ft. above MLLW	
69E(C) 1027 & 1028	8/5/69	13:28	1:30,000	4.6 ft. above MLLW	
69K(I) 3734 - 3736	7/18/69	10:18	1:20,000	0.5 ft. below MLLW	

REMARKS

MEAN

Subord Sta. LEVEL ISLANDS, SUMNER STRAIT ALA. Range 12.6 ft.

2. SOURCE OF MEAN HIGH-WATER LINE:

From the above list of photographs, augmented by field annotation.

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
No survey	T-12462	No survey	T-13341

REMARKS

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

T-13342

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Moses	Apr 1970
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	None None None
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	None
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

None

NOAA FORM 76-36C
(3-72)

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYT-13342
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	G. Saladin	Aug 1971
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA NA NA
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	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 Aug 1971
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	G. Miller & 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) 1028, 69K(I) 3735, & 69K(I) 3736

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 Ozalid
1-Field Edit Report

NOAA FORM 76-36D
(3-72)

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

T-13342

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	2/10/71	1/27/71
Field Edit applied	Dec 1971	Class I manuscript	4/15/74	
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: _____

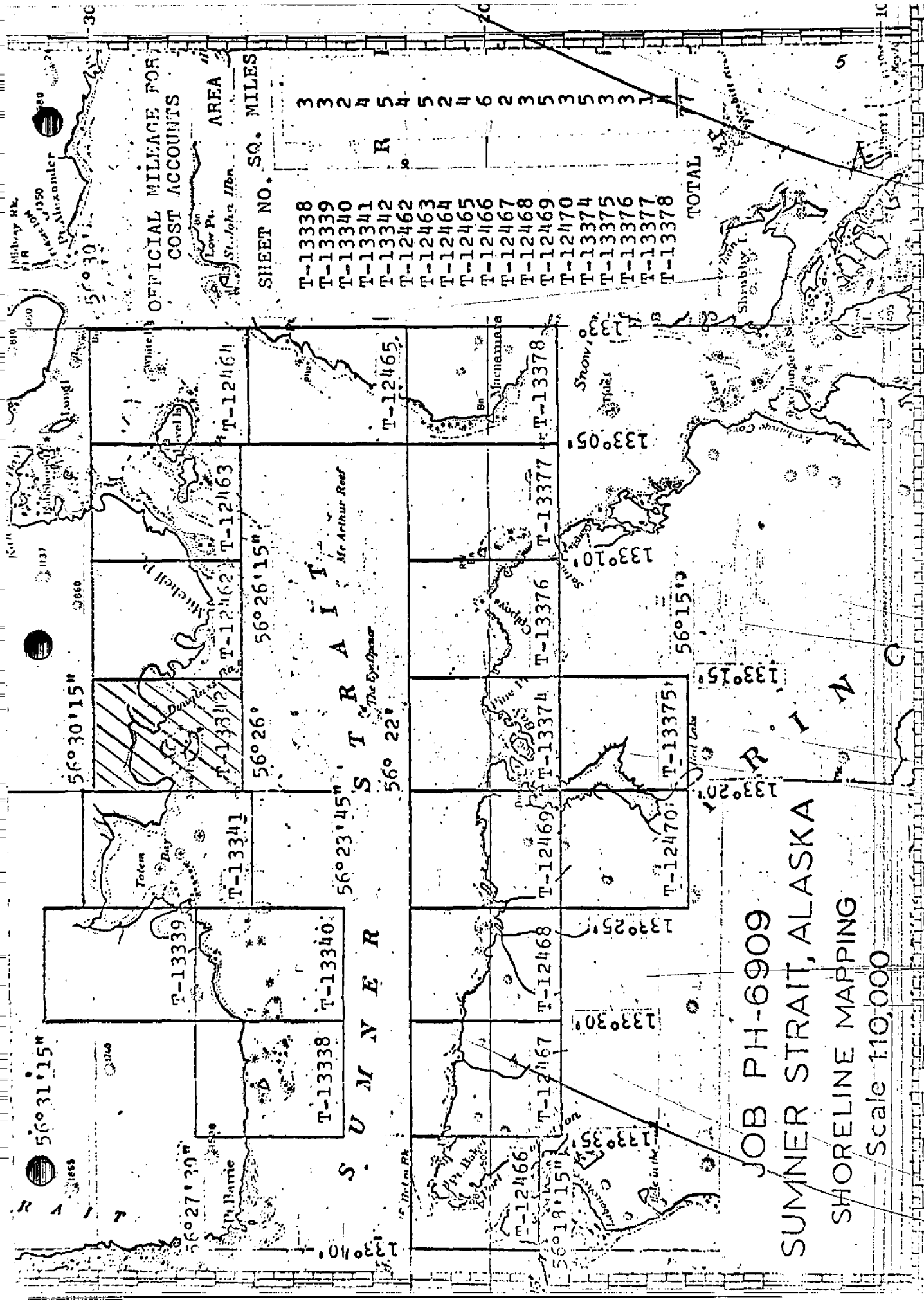
III. FEDERAL RECORDS CENTER DATA

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	



OFFICIAL MILEAGE FOR
COST ACCOUNTS

AREA

SHEET NO. SQ. MILES

- T-13338
- T-13339
- T-13340
- T-13341
- T-13342
- T-12462
- T-12463
- T-12464
- T-12465
- T-12466
- T-12467
- T-12468
- T-12469
- T-12470
- T-13374
- T-13375
- T-13376
- T-13377
- T-13378

TOTAL

JOB PH-6909
SUMNER STRAIT, ALASKA
SHORELINE MAPPING
Scale 1:100,000

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-13342

There was no field inspection prior to compilation. Field work prior to compilation was limited to the recovery and identification of horizontal 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

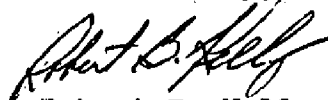
U. S. Geological Survey quadrangles were used to provide elevations for vertical adjustment of the bridges.

-2-


25. Photography

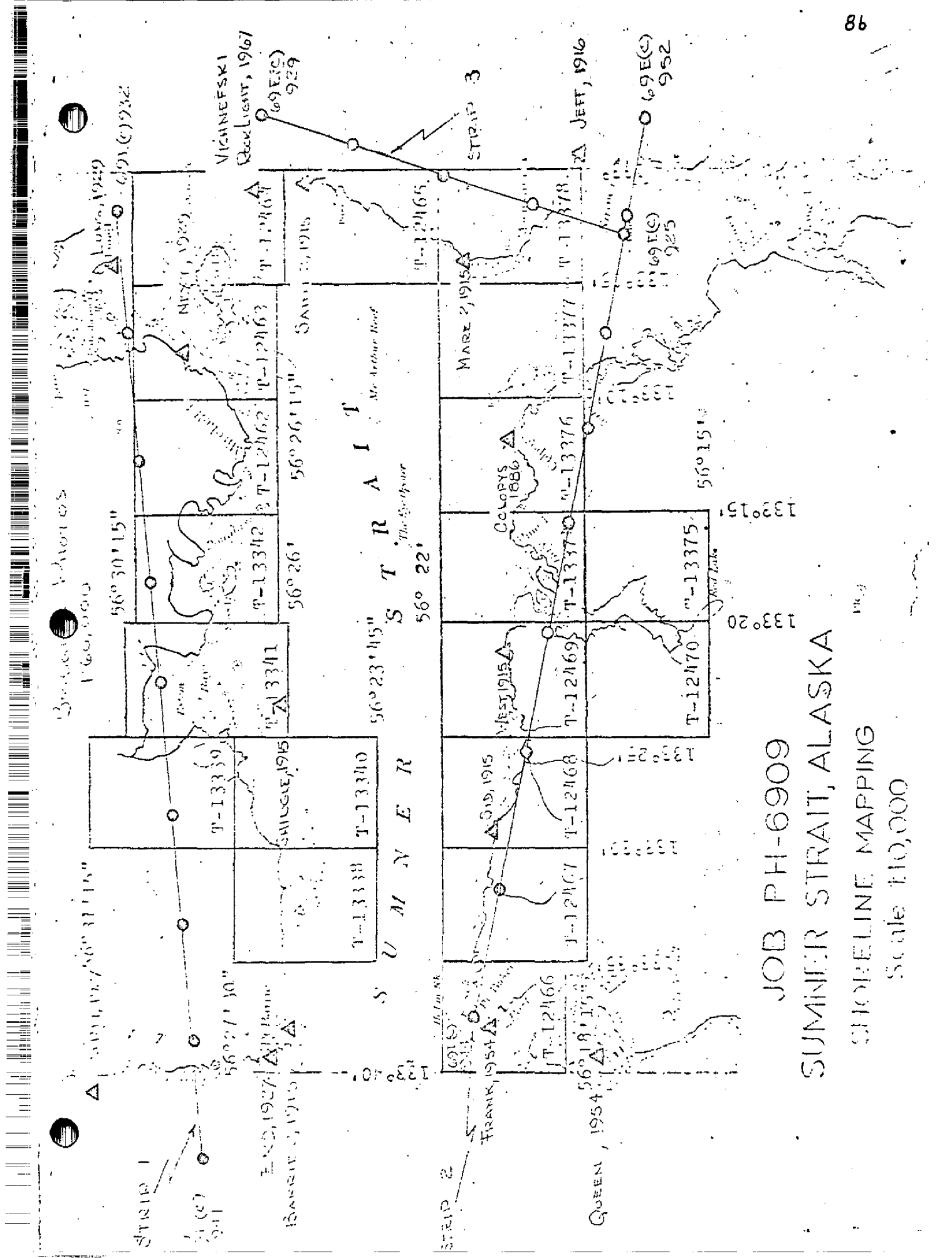
Photography was adequate as to coverage, overlap and definition.

Submitted by,


Robert B. Kelly

Approved and forwarded,


Henry P. Eichert
Chief, Aerotriangulation
Section



JOB PH-6909

SUMNER STRAIT, ALASKA

CHORELINE MAPPING

Scale 1:100,000

LEGEND

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

STRIP 1

- Δ LUNG, 1929 $(-0.9, +1.1)$ FK
 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, 1954 $(0.0, -0.5)$
 Δ CURRY, 1954 $(-0.5, +1.8)$
 Δ SID, 1915 $(+0.1, +0.5)$
 Δ WEST, 1915 $(-0.5, +0.8)$
 Δ COLPOVE, 1916 $(+0.2, -1.4)$
 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 SALT 2, 1915 $(+2.1, +0.4)$
 Δ VILNEFELI ROCK LT, 1967 $(-1.6, -0.6)$

DESCRIPTIVE REPORT CONTROL RECORD

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

MAP NO. T-13342	JOB NO. PH-6909	GEODETIC DATUM NA 1927	ORIGINATING ACTIVITY Coastal Mapping Division, Norfolk, Va.		REMARKS FORWARD BACK	
STATION NAME NONE	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET STATE Alaska ZONE I		GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE	
			$x=$	$y=$		
	$x=$	$y=$	ϕ	λ		
	$x=$	$y=$	ϕ	λ		
	$x=$	$y=$	ϕ	λ		
	$x=$	$y=$	ϕ	λ		
	$x=$	$y=$	ϕ	λ		
	$x=$	$y=$	ϕ	λ		
	$x=$	$y=$	ϕ	λ		
	$x=$	$y=$	ϕ	λ		
	$x=$	$y=$	ϕ	λ		
	$x=$	$y=$	ϕ	λ		
	$x=$	$y=$	ϕ	λ		
	COMPUTED BY	COMPUTATION CHECKED BY		DATE		DATE
	LISTED BY	LISTING CHECKED BY		DATE		DATE
	HAND PLOTTING BY	HAND PLOTTING CHECKED BY		DATE		DATE

COMPILATION REPORT

T-13342

SHORELINE

31. DELINEATION:

Delineation was done by the B-8 plotter using photography of August 5, 1969 for the MHW line. These were taken 3.1 ft. and 4.6 ft. above MLLW.

Infrared photography of July 18, 1969 taken at -0.5 ft. of MLLW, was used for the low water detail.

There was no field inspection prior to compilation.

32. CONTROL:

See Photogrammetric Plot Report, dated April 28, 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 MHW line was delineated by office interpretation of the stereo models. The foreshore and MLLW line was delineated graphically from infrared photographs supplemented by color photographs taken in tandem.

36. OFFSHORE DETAILS:

See Item 35.

37. LANDMARKS AND AIDS:

None.

39. JUNCTIONS:

See the form 76-36B, (Item 5), concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

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

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart No. 8201, scale 1:217,828, 15th edition, dated November 15, 1969.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Albert C. Rauck, Jr.
L. L. Graves
Cartographic Tech.
January 29, 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-13342

- ✓ Douglas Bay
- ✓ Kupreanof Island
- ✓ Moss Island
- ✓ Sumner Strait

Approved by:

A. J. Wright
A. Joseph Wright
Chief Geographer

Prepared by:

Frank W. Fickett
Frank W. Fickett
Cartographic Technician

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

PHOTOGRAMMETRIC OFFICE REVIEW

TP - 13342

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

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-12460	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-13342

SUMNER STRAIT - MOSS ISLAND

SOUTHEAST ALASKA

AUGUST 1971

The field edit of map T-13342 was done by LTJG. Gregory L. Miller and LTJG. Howard W. Herz in August 1971. Inspection was made 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 and ledge limits have been delineated on the processed photographs. High points of rocks and ledges have been noted on the ozalid and photographs. All times given are 105°W meridian. All changes delineated on the photographs have been cross referenced on the ozalid. Extensive notes were made on the following processed photographs: 69E1028, 69K3735R and 69K3736R. See boatsheet DA-10-7-71 for additional delineation of foul areas.

ADEQUACY OF COMPILATION

The compilation of this map was good. The MHWL is accurate in both configuration and location with exceptions as noted. 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 photographs and the map be accepted as an advance manuscript.

Respectfully submitted,

Gregory L. Miller
Gregory L. Miller
LTJG. NOAA

Howard W. Herz
Howard W. Herz
LTJG. NOAA

SPECIAL REPORT
ON
GEOGRAPHIC NAMES
OPR-448
SOUTHEAST ALASKA
SOUTH KERU 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 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' 29.89"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

TO BE CHARGED
TO BE REVISED
TO BE DELETED

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

The positions given have been checked after listing by

one Gerald C. Saladin Chief of Party.

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 *nonfloating 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 survey sheets. Information under each column heading should be given.

♣ TAULULATE SECONDS AND METERS

REVIEW REPORT

T-13342

SHORELINE

September 4, 1979

61. GENERAL STATEMENT:

See Summary, page 6 of this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Comparison was made with a copy of Registered Survey 1749, 1:80,000 scale, dated 1886. Differences are due to scale and advancements in mapping techniques, equipment and procedures.

T-13342 supersedes survey 1749 for chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS Quadrangle, Petersburg (B-4), Alaska, 1,63,360 scale, dated 1949. The ledge shown on T-13342 is more extensive than that shown on the quadrangle. The rock awash delineated on T-13342 750 meters southwest of Moss Island is not shown on the quadrangle. That rock was verified by the field editor.

The buildings shown on the quadrangle at the north east tip of Moss Island are not visible on the photographs. They are not shown on the map.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with copies of Registered Hydrographic Surveys H-9218 (DA-10-6-71) and H-9219 (DA-10-7-71). A portion of the foul limit at lat. $56^{\circ}27.9'$, long. $133^{\circ}19.7'$ was deleted from the map to avoid conflict with that on the smooth sheet. Images on the photographs support the limit as shown on the smooth sheet.

Zero soundings are positioned seaward of the MLLWL shown on the map at the mouth of the easterly stream in Douglas Bay. The photographs reveal that the area was consistently and accurately delineated. This difference, therefore, is attributed to the difference in time between the photography (1969) and hydrography (1971). The MLLWL agrees with hydro in other areas.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Charts 17382, 1:80,000 scale, 11th edition dated March 26, 1977, and 8201, 1:217,828 scale, 11th edition dated March 4, 1963, revised July 20, 1964. There are no significant differences.

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:

Billy H. Barnes

Billy H. Barnes
Chief, Photogrammetric Branch, AMC

Approved: ^{HW}

John D. Perraw Jr.
Chief, Photogrammetric Branch

Walter S. 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 ORIGINALS