

T-12464

T-12464

ORIGINAL

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Shoreline
Type of Survey
Job No. PH-6909 Map No. T-12464
Classification No. Final Edition No. 1
Field Edited Map

LOCALITY
State Alaska
General Locality Sumner Strait
Locality Big Level Island
.....

19 69 TO 19 75

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYT-12464
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "E" & "K"		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Pacific MERIDIAN 120th	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
69E(C) 1021 & 1022	8/5/69	13:13 PST	1:30,000	4.5 ft. above MLLW	
69E(C) 2042 & 2043	8/24/69	14:42 PST	1:20,000	7.3 ft. above MLLW	
69K(I) 3765	7/18/69	14:46 PST	1:20,000	0.1 ft. below MLLW	

REMARKS

Subord. Sta. Level Islands, Sumnuer Strait, A.I. 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 T-13051 PH-6627	EAST TP-00556 CM-7206	SOUTH T-12465	WEST T-12463
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REMARKS

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

T-12464

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Moses	Jun 1969
2. HORIZONTAL CONTROL	RECOVERED BY G.F.T.-L. Riggers	Jun 1969
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY G.F.T.-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 G.F.T.-L. Riggers	Jun 1969
	LOCATED (Field Methods) BY	
	IDENTIFIED BY G.F.T.-L. Riggers	Jun 1969
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 G. Miller & Herz	Jun 1969
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)1021 & 1022	VICHNEFSKI ROCK LIGHT		
69E(C) 928 & 929	LUNG 1929		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
69E(C)1021 & 1022	VICHNEFSKI ROCK LIGHT		

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 No. 152

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

T-12464

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	G. Saladin	Sept 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 None	
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input checked="" type="checkbox"/> SPECIFIC NAMES ONLY BY G. Saladin <input type="checkbox"/> NO INVESTIGATION	Sept 1971
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 2041

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, 1-form 567

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

T-12464

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	BY
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	M. Kenny
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 2042

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 76-36D (3-72)	U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION T-12464 RECORD OF SURVEY USE
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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
Partial field applied. Compilation complete	July 1974	Class III manuscript		8/8/74
Field Edit applied. Compilation complete	Nov 1975	Class I manuscript	3/16/76	
Final Review	Aug 1979	Final	4-4-80 Dec 1979	

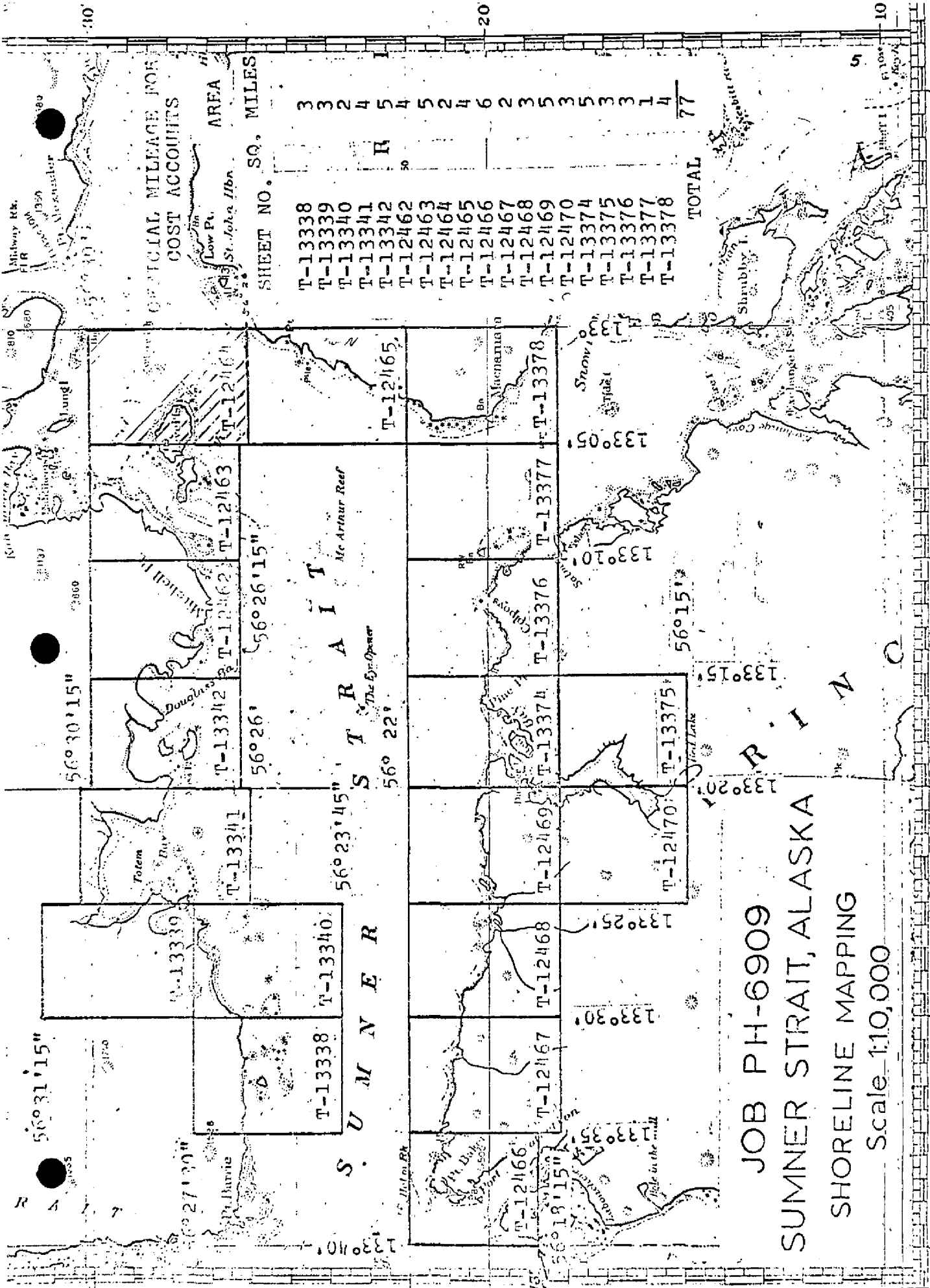
II. LANDMARKS AND AIDS TO NAVIGATION			
1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH			
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		7/16/74	Aid for charts

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: July 16, 1974

3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA	
1. <input checked="" type="checkbox"/> BRIDGING PHOTOGRAPHS; <input checked="" type="checkbox"/> DUPLICATE BRIDGING REPORT; <input checked="" type="checkbox"/> COMPUTER READOUTS. 2. <input checked="" type="checkbox"/> CONTROL STATION IDENTIFICATION CARDS; <input checked="" type="checkbox"/> FORM NOS <u>76-40</u> SUBMITTED BY FIELD PARTIES. 3. <input checked="" type="checkbox"/> SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS: _____	4. <input type="checkbox"/> 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



JOB PH-6909

SUMNER STRAIT, ALASKA

SHORELINE MAPPING

Scale 1:10,000

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

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

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

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

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

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

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

Final review was performed at the Atlantic Marine Center. All pertinent data was forwarded to ^{the} Rockville, Maryland, office for reproduction and final registration.

FIELD INSPECTION

T-12464

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

Aerotriangulation Report
PH-6909
Sumner Strait, Alaska

April 29, 1970

21. Area Covered

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

22. Method

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

23. Adequacy of Control

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

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

24. Supplemental Data

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

-2-

25. Photography

Photography was adequate as to coverage, overlap and definition.

Submitted by,

Robert B. Kelly
Robert B. Kelly

Approved and forwarded,

Henry P. Eichert

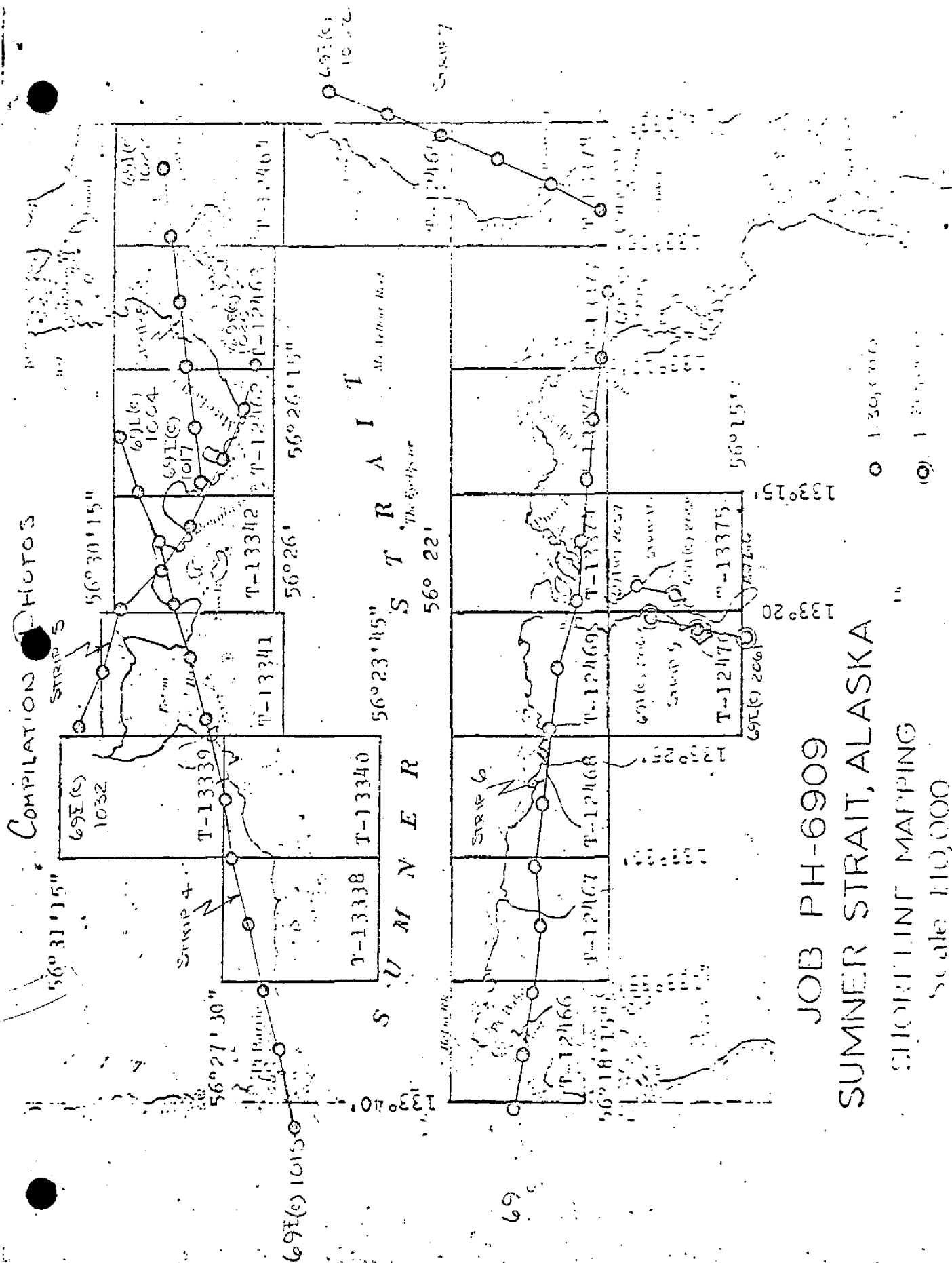
Henry P. Eichert
Chief, Aerotriangulation
Section



SUMNER STRAIT, ALASKA

DISCIPLINE MAPPING

Scale 110,000



LEGEND

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

STRIP 1

- Δ LONG, 1929 $(-0.9, +1.1)$ F.
 Δ NEXT, 1929 $(+1.0, -1.9)$
 Δ SHINGLET, 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 CUBEN, 1954 $(-0.5, +1.8)$
 Δ SID, 1915 $(+0.1, +0.5)$
 Δ WEST, 1915 $(-0.5, +0.8)$
 Δ CALPOVE, 1916 $(+0.2, -1.4)$
 Δ JEFF, 1916 $(-0.5, +0.4)$

STRIP 3

- Δ JEFF, 1916 $(0.0, +0.8)$
 Δ MARK 2, 1915 $(-0.7, -0.3)$
 Δ SACT 2, 1915 $(+2.1, +0.4)$
 Δ VIK-NEFLER: RUK LT, 1967 $(-1.6, -0.6)$

COMPILATION REPORT

T-12464

31. DELINEATION:

The mean high water line of Big Level Island was compiled by stereoplotter instrument method using 1:30,000 scale color photography. All other details were compiled graphically using 1:20,000 scale color and infrared photography. Coverage of the mean lower low water photography does not include the areas of White Rock and Vichnefski Rock. Quality of photography was very good except the eastern edge of Big Level Island is obscured by cloud cover on one flight.

32. CONTROL:

See Aerotriangulation Report dated April 29, 1970.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are inapplicable.

There is no drainage on this manuscript.

35. SHORELINE AND ALONGSHORE DETAILS:

The mean high water line and all alongshore details were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS:

Photography was of sufficient scale and quality to facilitate the delineation of two islands and several reef and kelp areas.

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 have been made with T-12465 to the south and T-12463 to the west. Junctions to the north and east were made with T-13051 (PH-6627) and TP-00556 (CM-7206) respectively.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

45. COMPARISON WITH PRIOR SURVEYS:

Comparison was made with USC&GS Survey 5017, scale 1:20,000, dated July - Sept. 1929.

46. COMPARISON WITH EXISTING MAPS:

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

47. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 8160, scale 1:80,000, 7th edition, dated July 4, 1970 (corrected thru notice to Mariners 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
Jan. 29, 1971

Approved:

Albert C. Rauck, Jr.

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

October 26, 1970

GEOGRAPHIC NAMES

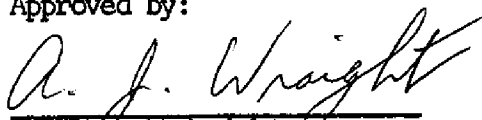
FINAL NAME SHEET

PH-6909 (Alaska)

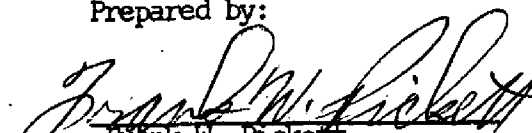
T-12464

- ✓ Big Level Island
- ✓ Sumner Strait
- ✓ Vichnefski Rock
- ✓ White Rock

Approved by:


A. Joseph Wright
Chief Geographer

Prepared by:


Frank W. Pickett
Cartographic Technician

NOAA FORM 75-74 (7-75)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW			
TP - 12464			
1. PROJECTION AND GRIDS RJP	2. TITLE RJP	3. MANUSCRIPT NUMBERS RJP	4. MANUSCRIPT SIZE RJP
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY RJP	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 ALS	10. PHOTOGRAMMETRIC PLOT REPORT RJP	11. DETAIL POINTS RJP
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE RJP	13. LOW-WATER LINE RJP	14. ROCKS, SHOALS, ETC. RJP	15. BRIDGES RJP
16. AIDS TO NAVIGATION RJP	17. LANDMARKS RJP	18. OTHER ALONGSHORE PHYSICAL FEATURES RJP	19. OTHER ALONGSHORE CULTURAL FEATURES RJP
PHYSICAL FEATURES			
20. WATER FEATURES RJP	21. NATURAL GROUND COVER RJP		22. PLANETABLE CONTOURS NA
23. STEREOSCOPIC INSTRUMENT CONTOURS NA	24. CONTOURS IN GENERAL NA	25. SPOT ELEVATIONS NA	26. OTHER PHYSICAL FEATURES RJP
CULTURAL FEATURES			
27. ROADS RJP	28. BUILDINGS RJP	29. RAILROADS RJP	30. OTHER CULTURAL FEATURES RJP
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES RJP	34. JUNCTIONS RJP		35. LEGIBILITY OF THE MANUSCRIPT RJP
36. DISCREPANCY OVERLAY RJP	37. DESCRIPTIVE REPORT RJP	38. FIELD INSPECTION PHOTOGRAPHS NA	39. FORMS RJP
40. REVIEWER <i>Albert C. Rauck, Jr. for</i> R. J. Pate 3/3/71		SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> A. C. Rauck, Jr.	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER <i>T. Perkins</i> 7/74 <i>A.L. Shands</i> 11/75	SUPERVISOR <i>Albert C. Rauck, Jr.</i> A. C. Rauck, Jr.		
Reviewer: <i>E. R. Gustafson</i> 7/74			
43. REMARKS <i>Albert C. Rauck, Jr. for</i> Field Edit applied from: Refer to forms 76-36c, items 3, 7, and 8			

FIELD EDIT REPORT

SUMNER STRAIT

SOUTHEAST ALASKA

OPR-448

APRIL-SEPTEMBER 1971

INTRODUCTION

Field edit reports are attached for the following maps:

T-12462	Mitchell Point
T-12463	Little Level Island
T-12464	Big Level Island
T-12465	Point St. John
T-12466	Port Protection
T-12467	Flicker Creek
T-12468	Euster 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-12464

SUMNER STRAIT - BIG LEVEL ISLAND

SOUTHEAST ALASKA

AUGUST 1971

The field edit of map T-12464 was done by LTJG. Howard W. Herz on August 10, 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. All times given are 105°W meridian. All changes delineated on the photographs have been cross referenced on the ozalid. Notes were made on the following processed photograph: 69E2041.

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.

An aeronautical aid is located on Big Level Island. The following information was taken from the facilities operation certificate:

<u>FREQUENCY</u>	<u>EMISSION</u>	<u>POWER</u>	<u>CLASS</u>	
116.5 Mhz	21A9	200W	RLO	VOR
119.9 Mhz	650P9	15KW	RL	TACAN Channel
135.95 Mhz	2.04A2	100W	FL	Flight Inspection
	6A3	25W	MO	
165.7 Mhz	36F9	140W	FX	Link to Duncan Canal

The certificate shows a latitude and longitude of :

56° 28' 05"N

133° 04' 53"W

The station was located by intersection and form 567 has been submitted. Form 567 has been submitted for Vichnefski Rock Light. No other aeronautical or nautical aids exist on this sheet.

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
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 (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. $56^{\circ}18'35''N$; Long. $133^{\circ}36'25''W$.) Named after a Wrangell resident who's fishing boat broke down in the cove. He fabricated a wheel out of wood and managed to get into Wrangell. He is since known by his friends as "Wooden Wheel" Johnson. (Clarence Louis-Wrangell)

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

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

NOTE D: MERRIFIELD BAY (Sumner Strait: Lat. $56^{\circ}21'05''N$; Long. $133^{\circ}35'15''W$) Previously called "HOFSTEAD BIGHT" after Richard Hofstead who had a small store and herring traps there (Louis and Coulter-Wrangell). Known today as MERRIFIELD BAY by the local fisherman. The present name of MERRIFIELD BAY should be retained.

NOTE E: FLICKER CREEK (Sumner Strait: Lat. $56^{\circ}20'00''N$; Long. $133^{\circ}33'00''W$.) Un-named on largest scale chart of the area (NOS 8201). Named "FLICKER CREEK" on USGS quadrangle Petersburg (B-5) and in GSPP-567. Correctly shown on Incomplete Manuscript T-12467 as FLICKER CREEK. Locally called "HUMPY CREEK" by some of the fisherman (Woolery-Port Protection). The present name of FLICKER CREEK should be retained.

NOTE F: SHINE CREEK (Sumner Strait: Lat. $56^{\circ}19'35''N$; Long. $133^{\circ}26'30''W$.) So named in GSPP-567 and on USGS quadrangle Petersburg (B-5). Correctly shown on Incomplete Manuscript T-12468. Probably named after a Mr. "Shine" Owens who logged around Buster Bay about 1940 (Woolery-Port Protection).

NOTE G: BUSTER BAY & BUSTER CREEK (Sumner Strait: Lat. $56^{\circ}20'N$; Long. $133^{\circ}26'W$.) Correctly named on Incomplete Manuscript T-12468. Probably named after Mr. "Buster" Neil Grant who used to anchor a pile driver there (Louis-Wrangell).

NOTE H: BIG CREEK (Sumner Strait, Red Bay: Lat. $56^{\circ}15'38''N$; Long. $133^{\circ}20'20''W$.) Named on USGS quadrangle Petersburg (B-5) and GSPP-567 and Incomplete Manuscript T-12470. Name should be retained on stream as shown on T-12470. Chart 8168 shows "BIG CREEK" located between Red Lake and Red Bay. For corrections see RED BAY CREEK note below.

LITTLE CREEK (Sumner Strait, Red Bay: Lat. $56^{\circ}12'22''N$; 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. Chart should be revised according to the manuscripts.

RED BAY CREEK (Sumner Strait, Red Bay: Lat. $56^{\circ}13'45''N$; Long. $133^{\circ}19'45''W$.) Local name given to the creek that joins Red Lake and Red Bay (Woolery, Louis & Coulter - Port Protection and Wrangell). As many local fisherman use this name, it is suggested that it be used on chart 8168 and T-13375.

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

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

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

Respectfully submitted,

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

Approved,

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

LANDMARKS AND AIDS TO 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

TO BE CHARTED
TO BE REVISED
TO BE DELETED

STRIKE OUT TWO

TO BE CHARTED
TO BE REVISED
TO BE DELETED

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

August 26, 1971

Mr 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 *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 individuals. Individual survey sheets. Information under each heading should be given.

★ TABULATE SECONDS AND METERS

FORM C&GS-504

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

FIELD EDIT
DESCRIPTIVE REPORTS

Type of Survey FIELD EDIT
Field No. n/a Office No. T-13376-78 & T-12462-65

LOCALITY

State ALASKA
General locality SOUTHEAST
Locality SUMNER STRAIT

19 75

CHIEF OF PARTY

CDR M. H. FLEMING, NOAA

LIBRARY & ARCHIVES

DATE _____

FIELD EDIT REPORTS

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

SUMNER STRAIT, ALASKA

OPR-448-DA-75

NOAA SHIP DAVIDSON

CDR. M.H. FLEMING

Chief of Party

INTRODUCTION

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

CONTROL

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

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

MISCELLANEOUS

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

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

Separate Field Edit Reports for each sheet follow.

SEPARATES FOLLOWING FIELD EDIT REPORTS:

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

FIELD EDIT REPORT

TP-12464

LEVEL ISLAND

OPR 448

SUMNER STRAIT, AK

NOAA SHIP DAVIDSON

CDR M.H. FLEMING, COMMANDING

-1975-

(51 METHODS)

Field edit on TP-12464 was accomplished under project instructions OPR-448-DA-75, Change No. 2 dated 7 July 1975, as per change No. 4-75 to the PMC OPODER.

OPODER procedures for field edit with HYDROLOT support, not in conjunction with hydrography, were used. A Field Edit Sheet and field photograph 69E2042 were taken into the field to investigate and identify features.

All times are referenced to GMT(Z).

The field edit investigation was performed on September 17-19 and 22, 1975, from a small skiff equipped with Motorola MINIRANGER equipment. Console s/n 707 and R/T unit s/n 721 were employed on days September 17-19. On September 22 console s/n 716 and R/T unit s/n 709 were used. Fixes were plotted in the field. All original data was recorded on the field sheet at the time of investigation. Where fixes confirmed photogrammetric compilation, fix data was not normally recorded. Where fixes were required, three independent, calibrated MINIRANGER rates were observed and recorded along with the feature description on the appended abstracts.

The abstracts were processed as follows:

1. When the field editor took a fix, he radioed the recorded fix data to the ship. Ship personnel then computed the true third rate from two observed field rates using HYDROLOT program RK 300 (Function 10--Electronic Rates to Electronic Rates). The true third rate obtained was compared to the observed third rate to assure an accurate fix had been obtained. If the fix met required accuracy standards, the field editor continued on. The results of the computations are recorded on the abstracts in red ink directly below each observed field rate.

2. The strongest fix was then circled and logged on the HYDROPLOT Master Detached Position tape for plotting. RK 300 Function 3 (Electronic Rates to XY and GP) was used to compute the geodetic position of the fix. G.P.'s obtained were recorded with the feature description on the abstract.

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

All fixes meet NOS position accuracy requirements as defined in section 1.1.2 of the PROVISIONAL HYDROGRAPHIC MANUAL. The tabulated position should be accepted as verified.

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

Deletions, additions, and verified features are noted on the Field Edit Ozalid. Only the additions and verified features are noted on the photograph 69E2042.

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

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

(52 ADEQUACY 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 mostly accurate. Dense kelp was mistaken for rocks on a number of occasions. The ledge at the southeast edge of Level Island extends further offshore than compiled. A few additions were necessary.

(54 RECOMMENDATIONS)

The manuscript should be considered complete with corrections compiled from this field edit.

(56 MISCELLANEOUS)

No Forms 76-40 were provided or required for this manuscript. Vichnefski Rock Light is reported on the 76-40 for TP-00556.

Field sheets were constructed and MINIRANGER lattices applied using the HYDROPLOT program RK 201, Grid, Signal, and Lattice Plot, version 8/16/74.

MINIRANGER fixes were computed, as previously mentioned, using program RK 300, version 5/22/75. They were plotted using program RK 211, version 8/16/74.

Submitted by,

Maureen R. Kenny

Maureen R. Kenny
ENS, NOAA

Approved and forwarded,

M. H. Fleming

M.H. Fleming
CDR, NOAA
Chief of Party

149
 T-12464 VESSEL #336 DAY 266
 CONSOLE s/n 704 R/T s/n 721

CODING: 1 4 1 2
 CORR: 0 -1 0 0
 STR: 1 4 1 11

F/X	GMT	FEATURE	LEFT	RIGHT	LEFT ✓	RIGHT ✓
1	2146	LEDGE W/ STATION LOUISE UNCOVERED 2.5 FT FIX TAKEN 4 m NW OF DISK $\phi = 56^{\circ} 27' 23.48''$ DISK 14 ABOVE MHWL $\lambda = 133^{\circ} 03' 42.30''$	3560 "	9225 9219	3560 ← 3560	11188 11188
2	2225	LEDGE UNCOVERED 2 FT EXTENDING NE	1 0	2 0	1 0	3 -1
2	2225	LEDGE UNCOVERED 2 FT EXTENDING NE $\phi = 56^{\circ} 27' 24.59''$ $\lambda = 133^{\circ} 04' 00.99''$	3848 3848 3848	11216 11216	3848 11	15058 15056

ϕ, λ 's Analytically computed.

15056

DATE 12/14/64 VESSEL H1336 DAY 261
 CONSOLE sn 707 R/T sn 721

CODR: 1
 CORR: 0
 STR: 1

FIX	GMT	FEATURE	LEFT	RIGHT	LEFT	RIGHT
3	1526	LEDGE UNCOV. 6 inches $\phi = 56^{\circ} 27' 38.50''$ $\lambda = 133^{\circ} 03' 00.21''$	3315	11693	3315	16171
4	1544	LEDGE COV. 6 inches $\phi = 56^{\circ} 27' 35.63''$ $\lambda = 133^{\circ} 03' 06.09''$	3320	11597	3320	16039
5	1609	LEDGE RUASH UNCOV. 0.5 FT $\phi = 56^{\circ} 27' 30.21''$ $\lambda = 133^{\circ} 03' 03.68''$	3173	11430	3173	15990
6	1627	LEDGE UNCOV. 2 FT. $\phi = 56^{\circ} 27' 21.50''$ $\lambda = 133^{\circ} 03' 22.71''$	3250	11136	3250	15573

12464' VESSEL #3136 DAY 262
 CONSOLE s/n 707' R/T s/n 721'

WAVE:
 CORR:
 STR:

FIX	GMT	FEATURE	2'	1'	3'	2'
7	15582	Ledge cor 0.5 ft 1st break of ledge into beach $\phi = 56^{\circ} 27' 55.79''$ $\lambda = 133^{\circ} 03' 12.93''$	0' 14' LEFT	0' 16' RIGHT	-1' 13' LEFT ✓	0' 14' RIGHT ✓
			41654	5032	5025	41654
			41654	5032	5023	"
8	1639	Ledge uncovered 2.5 ft. Ledge extends out beyond reef symbols ~100 m $\phi = 56^{\circ} 28' 06.08''$ $\lambda = 133^{\circ} 03' 35.03''$	4288 4288	4934 4934	4526 4528	4288 "
			4288	4934	4528	"
9	1659	Ledge uncover 7 ft $\phi = 56^{\circ} 28' 15.75''$ $\lambda = 133^{\circ} 03' 53.29''$	3970 3970	4860 4860	4102 4097	3970 "
			3970	4860	4097	"

ELECTRONIC STATIONS(S1,M,S2)= 1.0.11✓

PATTERN 1= 3530✓

PATTERN 2= 11188✓

X = 16916.661

Y = 23079.240

LATITUDE = 56/27/23.481

LONGITUDE= 133/03/42.301

PATTERN 1= 3848✓

PATTERN 2= 11216✓

X = 16596.612

Y = 23114.721

LATITUDE = 56/27/24.593

LONGITUDE= 133/04/00.995

FUNCTION = 3

ELECTRONIC STATIONS(S1,M,S2)= 1.0.3✓

PATTERN 1= 3315✓

PATTERN 2= 16170✓

X = 17638.989

Y = 23541.502

LATITUDE = 56/27/38.501

LONGITUDE= 133/03/00.211

PATTERN 1= 3320✓

PATTERN 2= 16038✓

X = 17537.982

Y = 23452.915

LATITUDE = 56/27/35.627

LONGITUDE= 133/03/06.093

PATTERN 1= 3173✓

PATTERN 2= 15989✓

X = 17578.838

Y = 23285.141

LATITUDE = 56/27/30.207

LONGITUDE= 133/03/03.676✓

PATTERN 1= 3250✓

PATTERN 2= 15572✓

X = 17251.947

Y = 23016.730

LATITUDE = 56/27/21.495

LONGITUDE= 133/03/22.713✓

RK 300
function 3
9/19/75

T-12464

PATTERN 1=

FUNCTION = 3

ELECTRONIC STATIONS(S1,M,S2)= 14.0,16✓

PATTERN 1= 4654✓

PATTERN 2= 5032✓

X = 17422.963

Y = 24077.043

LATITUDE = 56/27/55.793

LONGITUDE= 133/03/12.926

PATTERN 1= 4288✓

PATTERN 2= 4934✓

X = 17045.597

Y = 24396.372

LATITUDE = 56/28/06.078

LONGITUDE= 133/03/35.026

PATTERN 1= 3970✓

PATTERN 2= 4860✓

X = 16733.927

Y = 24696.671

LATITUDE = 56/28/15.753

LONGITUDE= 133/03/53.289

PATTERN 1=

7

8

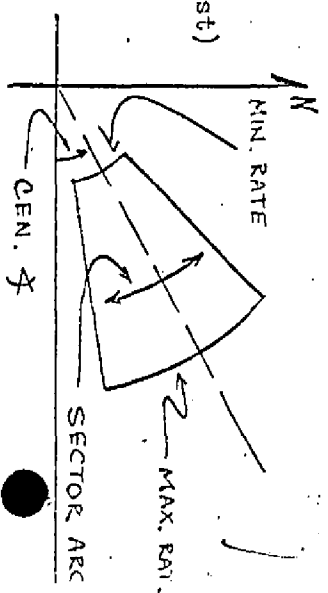
9

7-12464

Station Numbers STA 1	STA 2		R-R Sector Description for Plotting				Pen Color	Plot Lattice On Overlays
			CEN. \angle	SECTOR ARC	MIN RATE	MAX RATE		
001	CODE 1	VICKERSBY		275, 355	1000	6000	Red	
003	CODE 3	EYE OPENER		055, 075	13000	18000	Green	
011	CODE 2	MARK 2		350, 025	9000	16000	Blue	
004	CODE 4	MITCHELL 2		090, 097	8000	12000	Black	
013	CODE 3	KAH		100, 125	2000	5000	BLU	
014	CODE 2	LUNG		140, 200	3000	5000 8000	RED	
016	CODE 1	BAVES		170, 240	3000	8000	GRN	
I3 1-3	I3 5-7		I3 22-24	I3 26-28	F8.2 30-37	F8.2 39-46	A3 48-50	For EDP Use Only

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

CEN. \angle Central angle of R-R sector to be plotted (in degrees CW from East)
 SECTOR ARC degrees of R-R arc sector to be plotted (blank implies 360°)
 MIN RATE to be plotted to two decimals (blank implies 0)
 MAX RATE to be plotted to two decimals (blank implies infinity)



16

REVIEW REPORT

T-12464

SHORELINE

August 28, 1979

61. GENERAL STATEMENT:

See Summary, page 6 of this Descriptive Report. A small islet recommended for charting by the field editor at lat. $56^{\circ}28.6'$ long. $133^{\circ}01.8'$ was added to the map during final review.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Comparison was made with a copy of Survey No. 5017. The four small islands shown on Survey No. 5017 on the eastern ledge of Big Level Island are not visible on the photography and not shown on the map. Survey No. 5017 is a hydrographic survey.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS Quadrangle Petersburg (B-4) Alaska, 1:63,360 scale, dated 1949. The four islands mentioned in paragraph 62 above are shown on the quadrangle. They are not shown on the map.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with a copy of Registered Smooth Sheet H-9221 (DA-10-9-71) and Final Verified Smooth Sheet H-9268 (DA-10-10-71). Changes made to the map as a result of application of the 1975 field edit data are not reflected on the smooth sheets.

65. COMPARISON WITH NAUTICAL CHARTS:

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

Approved for forwarding:

B. H. Barnes

B. H. Barnes
Chief, Photogrammetric Branch, AMC

Approved: ^{JKW}

John D. Perreau Jr.

Chief, Photogrammetric Branch

Walter Shinn

Chief, Photogrammetry 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.



T-12463

4. Ledge limits north of Point St. John were revised to agree with the recommendations of the field editor. See ratio photo 69E(C) 1000.

T-12464

A small islet was added to the map during final review. It is recommended for charting by the field editor on ratio photo 69E(C) 1021.

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 DZALIDS