T-12465

ORIGINAL

T-12465

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-12465

Classification No. Final *Edition No.* 1

Field Edited Map

LOCALITY

State Alaska

General Locality Sumner Strait

Locality Point St. John

19 69 TO 19 75

REGISTRY IN ARCHIVES

DATE

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901

NOAA FORM 76-36A (3-72) — U. S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: [X] ORIGINAL [ ] RESURVEY [ ] REVISED

SURVEY TP. T-12465

MAP EDITION NO. (1)

MAP CLASS Final

JOB PH. 6909

PHOTOGRAMMETRIC OFFICE
Coastal Mapping Division
Norfolk, Va.

OFFICER-IN-CHARGE
Jeffrey Carlen, CDR/NOAA

LAST PRECEEDING MAP EDITION
TYPE OF SURVEY: [ ] ORIGINAL [ ] RESURVEY [ ] REVISED
JOB PH.
MAP CLASS
SURVEY DATES: 19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE		2. FIELD	
Aerotriangulation	October 2, 1969	Premarking	May 14, 1969
Compilation	September 14, 1970		
Compilation	November 6, 1970		
Compilation I	November 20, 1970		

II. DATUMS

1. HORIZONTAL: [X] 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [X] MEAN HIGH-WATER [ ] MEAN LOW-WATER [X] MEAN LOWER LOW-WATER [ ] MEAN SEA LEVEL — OTHER (Specify)

3. MAP PROJECTION: Polyconic

4. GRID(S): STATE: Alaska; ZONE: 1

5. SCALE: 1:10,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION	BY	R. Kelly	Apr 1970
METHOD: Analytic	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	P. Dempsey	Sept 1970
METHOD: Coradomat	CHECKED BY	P. Dempsey	Sept 1970
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	A. Shands	Feb 1971
	CHECKED BY	L. Neterer	Feb 1971
INSTRUMENT: Wild B-8	CONTOURS BY	NA	
SCALE: 1:15,000	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	R. Pate	Feb 1970
	CHECKED BY	A. Rauck	Feb 1970
	CONTOURS BY	NA	
METHOD: Smooth drafted	CHECKED BY	NA	
SCALE: 1:10,000	HYDRO SUPPORT DATA BY	R. Pate	Feb 1970
	CHECKED BY	A. Rauck	Feb 1970
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	R. Pate	Feb 1970
6. APPLICATION OF FIELD EDIT DATA	BY	I. Perkinson	July 1974
	CHECKED BY	F. Gustafson & A. Shands	7/74 11/75
7. COMPILATION SECTION REVIEW	BY	A. Shands	Nov 1975
8. FINAL REVIEW	BY	A. L. Shands	Nov 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 76-36A — SUPERSEDES FORM C&GS 181 SERIES

* U.S. G.P.O. 1972-769382/582 REG.#6

NOAA FORM 76-36B
(3-72)

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

T-12465

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC-8 "E"

TIDE STAGE REFERENCE
- [X] PREDICTED TIDES
- [ ] REFERENCE STATION RECORDS
- [ ] TIDE CONTROLLED PHOTOGRAPHY

TYPES OF PHOTOGRAPHY LEGEND
- (C) COLOR
- (P) PANCHROMATIC
- (I) INFRARED

TIME REFERENCE
ZONE: Pacific — [X] STANDARD
MERIDIAN: 120th — [ ] DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
69E(C) 999A	8/5/69	12:52	1:30,000	4.4 ft. above MLLW
69E(C) 999B	8/5/69	12:52	1:30,000	4.4 ft. above MLLW
69E(C) 1000	8/5/69	12:52	1:30,000	4.4 ft. above MLLW
69E(C) 1998 - 2002	8/24/69	14:12	1:20,000	8.6 ft. above MLLW

REMARKS

Subord. Sta. Level Islands, Summer Strait, Alaska Mean Range 12.6 Ft.

2. SOURCE OF MEAN HIGH-WATER LINE:

From the above list of photographs augmented by field editors notes.

3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

None compiled.

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

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

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
T-12464	TP-00556 CM-7206	T-13378	No survey

REMARKS

NOAA FORM 76-36C
(3-72)

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

T-12465

HISTORY OF FIELD OPERATIONS

I. [XX] FIELD INSPECTION OPERATION [ ] FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R. Moses	Jun 1969
2. HORIZONTAL CONTROL	RECOVERED BY	B. F.	Jun 1969
	ESTABLISHED BY		
	PRE-MARKED OR IDENTIFIED BY	B. F.	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 [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [XX] NO INVESTIGATION — BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED
None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
69E(C)999B & 1000	SAINT 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 [X] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [XX] NONE

7. SUPPLEMENTAL MAPS AND PLANS
None

8. OTHER FIELD RECORDS (*Sketch books, etc.* **DO NOT** *list data submitted to the Geodesy Division*)
1-form No. 152

NOAA FORM 76-36C
(8-72)

*U.S. GOVERNMENT PRINTING OFFICE: 1974 - 768-078

NOAA FORM 76-36C
(3-72)

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

T-12465

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	None	
	LOCATED *(Field Methods)* BY	None	
	IDENTIFIED BY	None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION — BY	G. Saladin	Aug 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(C)999, 69E(C)999A, 69E(C)999B, 69E(C)1000

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☒ REPORT ☐ NONE

6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. *SUPPLEMENTAL MAPS AND PLANS*

None

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

1-Field Edit

NOAA FORM 76-36C
(3-72)

*U.S. GOVERNMENT PRINTING OFFICE: 1974 - 768-078

NOAA FORM 76-36C
(3-72)

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

T-12465

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	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 ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION — BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	M. Huestis	Sept 1975
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	None	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS *(Clarification of details)*

69E(C)999B

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE

6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

1-Field Edit Ozalid
1-Field Report

*U.S. GOVERNMENT PRINTING OFFICE: 1974 - 768-078

NOAA FORM 76-36D
(3-72)

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

T-12465

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	2/19/71
Field edit applied (partial)	July 1974	Class III manuscript		8/8/74
Field edit applied. Compilation complete.	Nov 1975	Class I manuscript	None	
Final Review	Nov 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. [X] BRIDGING PHOTOGRAPHS; [XX] DUPLICATE BRIDGING REPORT; [X] COMPUTER READOUTS.
2. [X] CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. [X] 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: _____

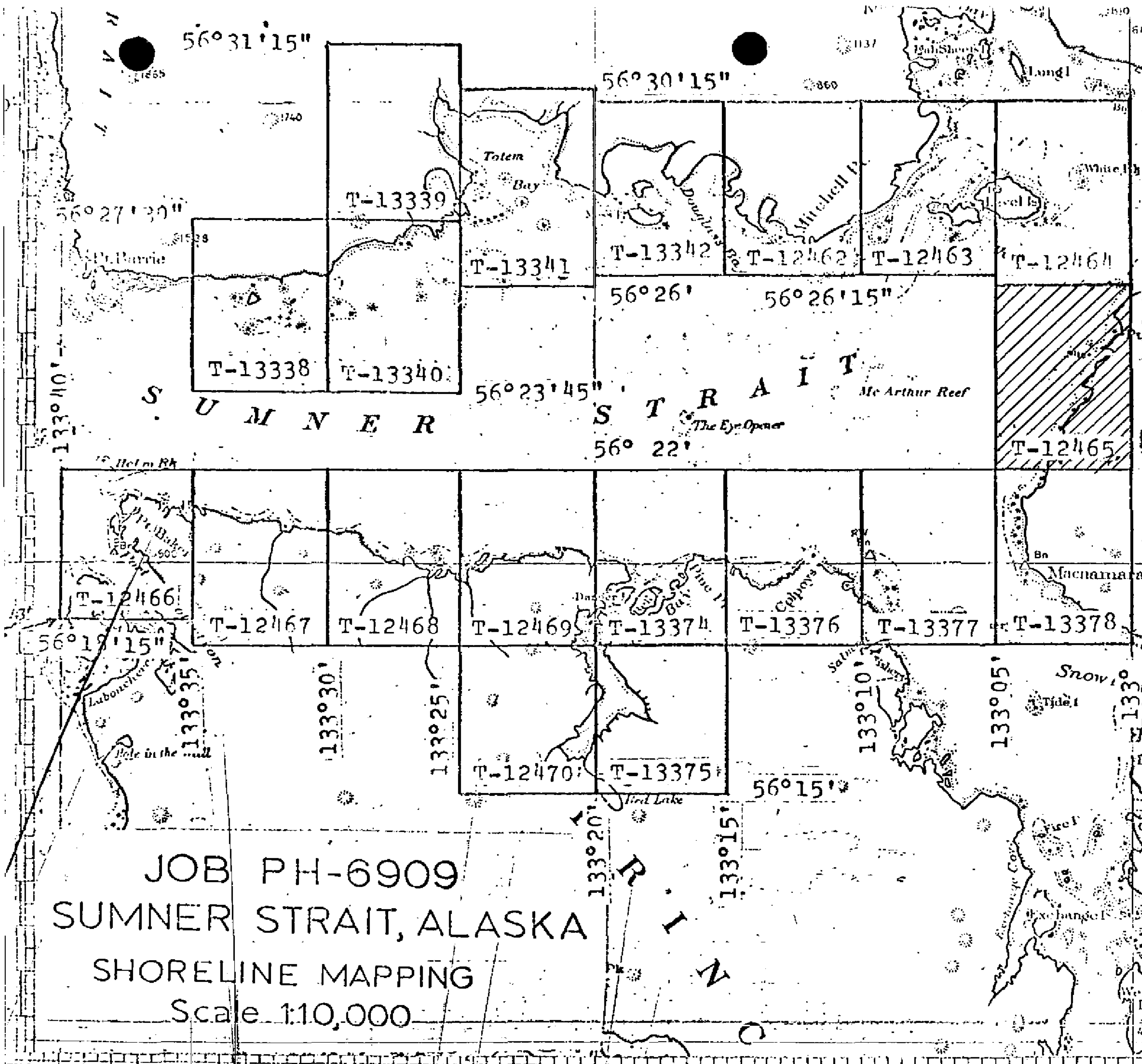
IV. SURVEY EDITIONS *(This section shall be completed each time a new map edition is registered)*

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH- _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL

NOAA FORM 76-36D

☆U. S. GOVERNMENT PRINTING OFFICE: 1973--778075/1077 REGION NO. 6

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	5
T-12462	4
T-12463	5
T-12464	2
T-12465	4
T-12466	6
T-12467	2
T-12468	3
T-12469	5
T-12470	3
T-13374	5
T-13375	3
T-13376	3
T-13377	1
T-13378	4
TOTAL	77

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-12465

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

Aerotriangulation Report
PH-6909
Sumner Strait, Alaska

April 29, 1970

21. Area Covered

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

22. Method

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

23. Adequacy of Control

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

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

24. Supplemental Data

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

25. Photography

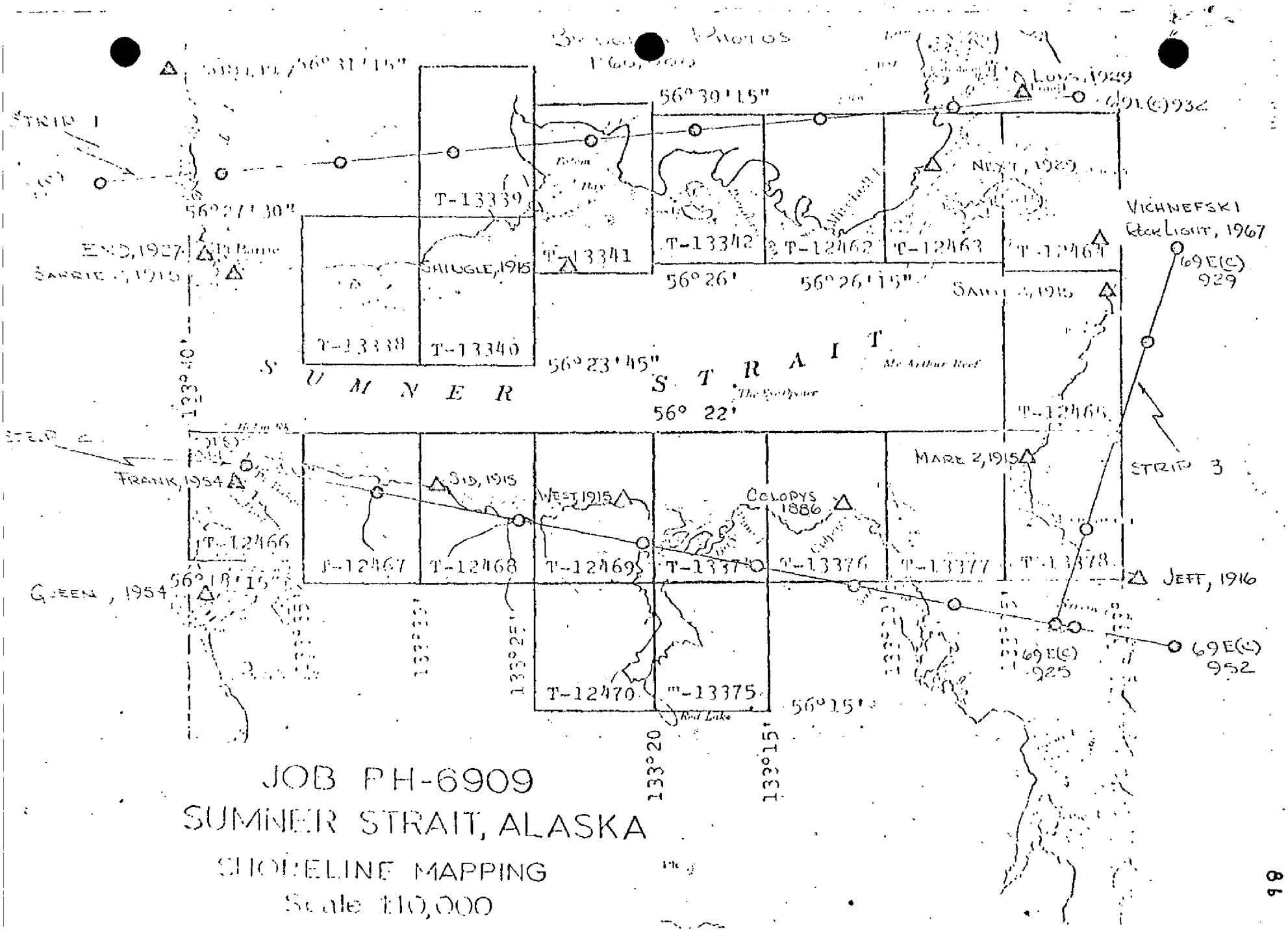
Photography was adequate as to coverage, overlap and definition.

Submitted by,

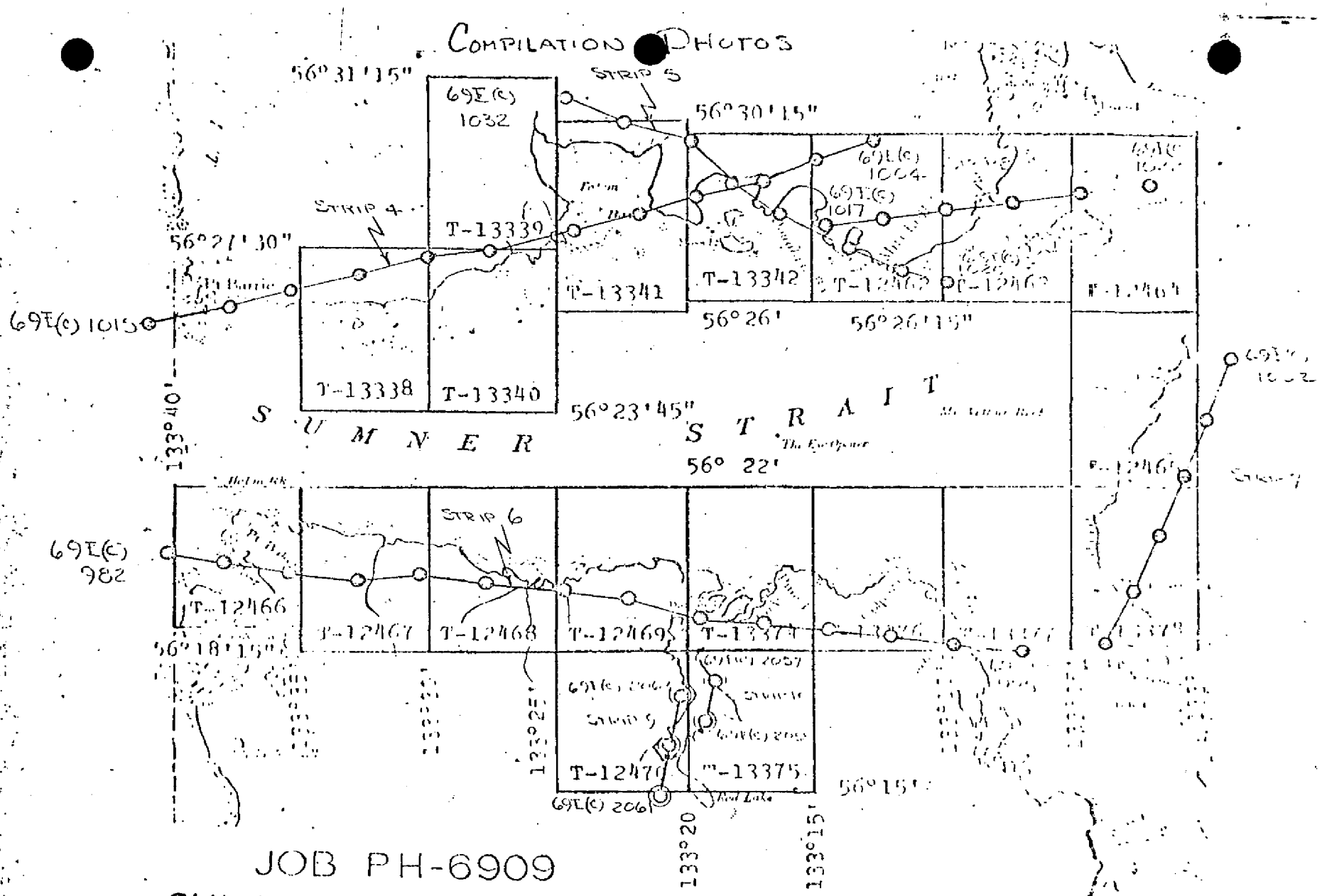
Robert B. Kelly

Approved and forwarded,

Henry P. Eichert
Chief, Aerotriangulation Section



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



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

Legend

Δ Control Used in Adjustment

( ) Closures of Bridge to Control shown in Parenthesis.

Δ Control used as Check.

Strip 1

Δ Lund, 1929 (-0.9, +1.1) Ft.
Δ Next, 1929 (+1.0, -1.9)
Δ Swinge, 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, +1.8)
Δ Sid, 1915 (+0.1, +0.5)
Δ West, 1915 (-0.5, +0.5)
Δ Colpoys, 1926 (+0.2, -1.4)
Δ Jeff, 1916 (-0.5, +0.4)

Strip 3

Δ Jeff, 1916 (0.0, +0.3)
Δ Mare 2, 1915 (-0.7, -0.3)
Δ Saint 2, 1915 (+2.1, +0.4)
Δ Vennefjki Rock Lt. (-1.6, -0.6)

NOAA FORM 76-41
(6-75)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
T-12465	PH 6909	NA 1927	Coastal Mapping Division, Norfolk, VA.

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE Alaska ZONE 1	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS FORWARD	REMARKS BACK
SAINT 2, 1915	G. P. VOL1 142		x=	φ 56 25 29.654	917.2	938.7
			y=	λ 133 00 33.784	579.1	449.3
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			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	DATE	COMPUTATION CHECKED BY	DATE
A. C. Rauck, Jr.	9/14/70	C. E. Blood	10/5/70
LISTED BY	DATE	LISTING CHECKED BY	DATE
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

COMPILATION REPORT

T-12465

31. DELINEATION:

The Wild B-8 plotter was used. Photograph coverage was adequate. There was no field inspection.

32. CONTROL:

See Photogrammetric Plot Report dated April 29, 1970.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are inapplicable.

Drainage has been shown from office interpretation of the photographs, or stereo models.

35. SHORELINE AND ALONGSHORE DETAILS:

The mean high water line, approximate ledge and foul limits and foreshore area was delineated from office interpretation of photographs taken at 4.4 ft. above MLLW, and from the B-8 plotter.

36. OFFSHORE DETAILS:

See item 35.

37. LANDMARKS AND AIDS:

None.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

Junctions were made with T-12464 to the north and T-13378 to the south. There is no survey. Junction was made with TP-00556 (CM-7206) to the east.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

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

47. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with chart 8160, scale 1:80,000, Zarembo Island and approaches dated July, 1970.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Albert C. Rauck Jr.
R. J. Pate
Cartographic Tech.
Feb. 17, 1971

Approved:

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

October 26, 1970

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6909 (Alaska)

T-12465

✓ Point St. John

✓ Sumner Strait

✓ Zarembo Island

Approved by:

A. J. Wraight

A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett

Frank W. Pickett
Cartographic Technician

NOAA FORM 75-74
(7-75)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL OCEAN SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

TP - 12465

1. PROJECTION AND GRIDS	2. TITLE	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
RJP	RJP	RP	RJP

CONTROL STATIONS

5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY *(Topographic stations)*	7. PHOTO HYDRO STATIONS
RJP	NA	NA

8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
NA	ALS	RJP	RJP

ALONGSHORE AREAS *(Nautical Chart Data)*

12. SHORELINE	13. LOW-WATER LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
RJP	RJP	RJP	RJP

16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
ALS	ALS	RJP	RJP

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS
RJP	NA	NA

23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
NA	NA	NA	RJP

CULTURAL FEATURES

27. ROADS	28. BUILDINGS	29. RAILROADS	30. OTHER CULTURAL FEATURES
RJP	RJP	RJP	RJP

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
NA	NA

MISCELLANEOUS

33. GEOGRAPHIC NAMES	34. JUNCTIONS	35. LEGIBILITY OF THE MANUSCRIPT
RJP	RJP	RJP

36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
RJP	RJP	NA	RJP

40. REVIEWER	SUPERVISOR, REVIEW SECTION OR UNIT
Albert C. Rauck Jr. R. J. Pate FOR 2/18/70 A. Rauck, Jr. 2/18/70 Albert C. Rauck Jr.	Albert C. Rauck Jr. 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	SUPERVISOR
I. Perkinson 7/74 A. L. Shands 11/75 Reviewer: R. R. Gustafson 7/74	Albert C. Rauck Jr. A. C. Rauck, Jr.

43. REMARKS Albert C. Rauck Jr.

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	Buster Bay
T-12469	Mud Creek
T-12470	Red Bay (West)
T-13338	Yellow Island
T-13339	Little Totem Bay
T-13340	Totem Bay
T-13341	Shingle Island
T-13342	Moss Island
T-13374	Bell Island
T-13375	Red Bay (East)
T-13376	Point Colpoys
T-13377	Rockery Islands
T-13378	Macnamara Point

Field photographs and copies of the field edit ozalids were taken into the field. The mean high water line was verified by visual inspection of the shoreline and ozalids in the field. Isolated rocks, high points of ledges, ledge limits and some shoreline were located by three-point sextant fixes with check angles. Fixes were plotted on boatsheets:

DA-10-3-71	DA-10-7-71
DA-10-4-71	DA-10-8-71
DA-10-5-71	DA-10-9-71
DA-10-6-71	DA-5-1-71

Comparisons were made between boatsheets and ozalids.

Notes have been made on the appropriate photographs and have been cross referenced on the Field Edit Ozalids by photograph number. All times are based on 105°W meridian. Individual reports by manuscript are attached. Either processed or field photographs were used for notes as indicated in the individual reports.

ADEQUACY OF COMPILATION

The photographic coverage of the area was excellent. Compilation was excellent with the few exceptions as noted on individual sheets. Unfortunately, photographic and manuscript coverage was not available for Kak Sheets Bay north of the Level Islands. Shoreline on the northern section of boatsheet DA-10-9-71 (H9221) will have to be edited when manuscripts are available.

TIDE NOTES

The following tide stations were used for hydrography in the Sumner Strait area:

Pt. Baker	Totem Bay
Red Bay	Level Island

AIDS TO NAVIGATION

Non-floating Aids to Navigation within the area were located and are covered in a report titled "Non-floating and Floating Aids to Navigation OPR-448 - Sumner Strait, Southeast Alaska 1971." A copy of the above report is included in the appendix.

Respectfully submitted,

Howard W. Herz

Howard W. Herz
LTJG. NOAA

Approved,

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

FIELD EDIT REPORT

MAP T-12465

SUMNER STRAIT - POINT ST. JOHN

SOUTHEAST ALASKA

AUGUST 1971

The field edit of map T-12465 was done by LTJG. Howard W. Herz on August 11, 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 have been indicated on the ozalid and delineated on the photographs. High points of rocks and ledges were noted. An extensive delineation of the ledges was made. Ledge limits have been inked on the photographs covering the area. All times given are 105° W meridian. Changes delineated on the photographs have been referenced on the ozalids. Notes were made on the following office photographs:

69E999	69E999B
69E999A	69E1000

ADEQUACY OF COMPILATION

The compilation of this map was good. The MHWL appears to be accurate in both configuration and location with exceptions as noted. The foul areas are in general agreement with what was found in the field; exceptions have been noted. No aids to navigation or landmarks exist on this map. 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
LTJG. NOAA

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 exsist 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 (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°21'05"N; Long.133°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°20'00"N; Long.133°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°19'35"N; Long.133°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°20'N; Long.133°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°15'38"N; Long. 133°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° 16'22"N; Long.133°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°15'45"N; Long.133°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°28'N; Long.133°17'W.) Correct as named. USGS quadrangle Petersburg (B-4) gives a spelling of DCUGLAS. NOS chart 8160 gives a spelling of DCUGLASS. GPSS-567 notes both spellings. For the correct spelling consult USC&GS chart 706.

NOTE J: TOTEM POINT (Sumner Strait: Lat.56°27'10"N; Long.133°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 recomended 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

FORM C&GS-567
(5-66)

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

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE REVISED } STRIKE OUT TWO
TO BE DELETED

August 26, 1971

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

The positions given have been checked after listing by _____

CDR Gerald C. Sabelin
Chief of Party.

STATE / CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				52.080		50.837	NA	TRIANG.					8160
R Bn	MACNAMARA PT. DAYBEACON	—	56 19	1610.8	133 03	873.5	1927	—	8-26-71		X		8201
				8.144		14.983	NA	TRIANG.					8160
Bn W	FOREMOST ROCK DAYBEACON	—	56 30	251.9	133 00	247.8	1927	DA-10-9-71	8-26-71		X		8201
				11.791		44.271	NA	TRIANG.					8160
	POINT COLPOYS LIGHT, 1967	802	56 20	364.7	133 11	760.6	1927	DA-10-8-71	8-26-71		X		8201
				10.557		30.218	NA	TRIANG.					8160
	THE EYE OPENER LIGHT, 1967	824	56 23	326.5	133 16	518.5	1927	DA-10-8-71	8-26-71		X		8201
				10.664		40.813	NA	TRIANG.					8160
RW Bn	BAY POINT DAYBEACON, 1967	—	56 20	329.8	133 09	701.2	1927	—	8-26-71		X		8201
				19.922		49.748	NA	TRIANG.					8160
	VICHNEESKI ROCK LIGHT, 1967	193	56 26	597.6	133 00	852.4	1927	DA-10-10-71	8-26-71		X		8201

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 redeter 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 individ. ld survey sheets. Information under each c. heading should be given.

* TABULATE SECONDS AND METERS

USCOMM-DC 36486-P

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

USCOMM-DC 37022-P66

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 (COMPLOT 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 R292320Z 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-12465

PT. ST. JOHN

OPR 448
SUMNER STRAIT, AK

NOAA SHIP DAVIDSON

CDR M.H. FLEMING, COMMANDING

-1975-

(51 METHODS)

TP-12465 field edit was conducted under project instructions OPR-448-DA-75, Change No. 2, dated 7 July 75, as per Change No. 4-75 PMC OPORDER.

OPORDER procedures were followed for field edit conducted with HYDROPLOT support but not in conjunction with hydrography.

A Field Edit Sheet and field photograph 69E-999B were taken into the field to identify and verify features. Field edit operations were performed on 11 September 1975 in launch DA-1 (vessel 3131) during low tide. Motorola MINIRANGER positioning equipment was used to obtain fixes and to verify positions of features. The launch was equipped with MINIRANGER console S/N 710 and R/T unit S/N 719.

The electronic fixes were plotted immediately in the field. Where fixes confirmed photogrammetric compilation, the fix data was not normally recorded. Exceptions were Fix #1, taken to verify the position of the launch in morning fog, and fix #2 which defines the position of an exposed rock that was not on the T-sheet but was identified on the photo. Three electronic rates were observed for each fix. The position was computed on board the ship using program RK300 with the strongest fix, and the rate for the third station obtained. This rate was then compared to the observed third rate to assure an adequate fix had been obtained. Details of the fix are recorded on the Field Edit Position Abstract form appended. All fixes meet NOS accuracy requirements for 1:10,000 scale surveys. The tabulated geodetic positon was obtained analytically via program RK300 and may be accepted as verified. The computation printout is appended.

All original data was recorded on the field sheet at the time of investigation by the Field Editor. All times are referenced to GMT(Z).

A tide gage was installed on Southerly Island to provide tides data. Although the gage was not specified in the project instructions for field edit, the tide data should be valuable in reducing the data for this sheet.

Additions and verified features (there were no deletions) are noted on the Field Edit Ozalid and on the office photograph 69E-999B.

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

Ink Color	Use
black	verified features
red	revisions and 1975 field edit

1975 additions and verifications were applied to the office photograph in red ink. Items on the photograph in violet are from previous field edit conducted in 1971.

(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 accurate.

(54 RECOMMENDATIONS)

This manuscript should be considered complete for charting purposes.

(56 MISCELLANEOUS)

No Forms 76-40 were provided or are required for this manuscript. Field Edit sheets were constructed, and MINIRANGER lattices applied, using the HYDROPLOT software program RK201 (Grid, Signal, and Lattice Plot, version 8/16/74).

Submitted,

Mary M. Huestis

Mary M. Huestis
ENS, NOAA

Approved and forwarded,

M.H. Fleming
CDR, NOAA
Commanding Officer
NOAA Ship DAVIDSON CSS-31

H-12465 VESSEL 3131 DAY 254

CONSOLE s/n 710 R/T s/n 719

	CODE:	1	4	3	4
	CORR:	-1	-2	-1	-2
	STA:	8	4	3	4

FIX	GMT	FEATURE	LEFT	RIGHT	LFT ✓	RGT ✓
17	1651	N ledge of Pt St John ϕ = 56° 25' 32.97" λ = 133° 00' 33.40"	15207 15206	12535 12533 →	17007 16990	12531 12533
28	1706	Rk uncov 1 ft ϕ = 56° 25' 15.29" λ = 133° 00' 42.45"	~~14736~~ 14735	~~12486~~ 12484 →	16710 16706	12486 12484

```
FUNCTION = 3

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

PATTERN 1= 15206
PATTERN 2= 12533

X =    20143.232
Y =    19651.676

LATITUDE =  56/25/32.972
LONGITUDE= 133/00/33.396

PATTERN 1= 14735
PATTERN 2= 12484

X =    19986.680
Y =    19105.171

LATITUDE =  56/25/15.290
LONGITUDE= 133/00/42.447

PATTERN 1=
```

(1)

(2)

RK300
function 3

ELEC → GPXY

T-12/65

LATTIC REQUEST

Form CPM 32-2 ( )31/74

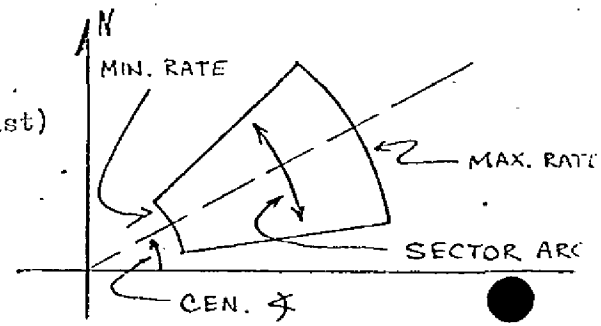
F 12465 OPR 419 Field No.

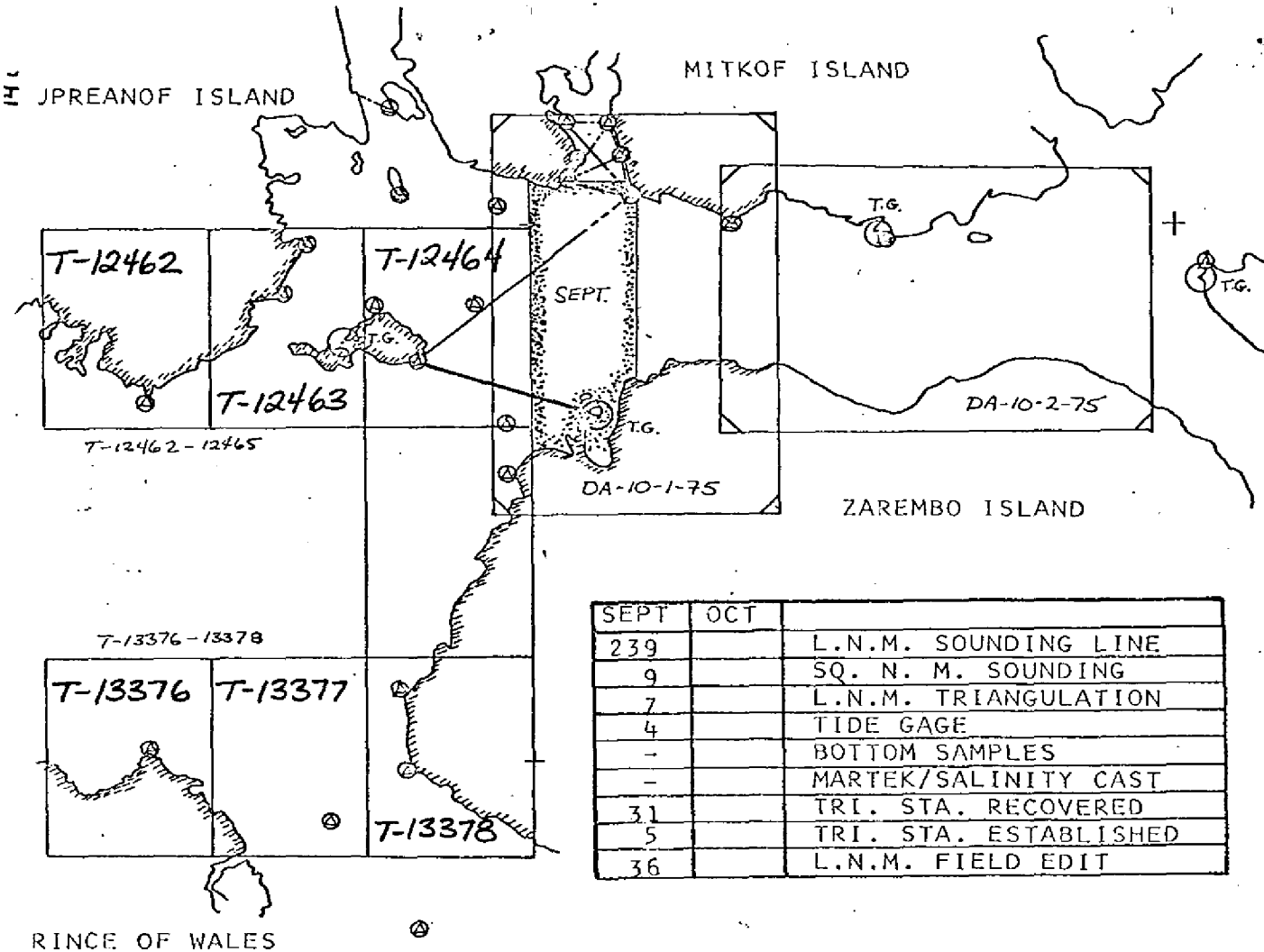
Requested by Date Required

Station Numbers STA 1	STA 2			R-R Sector Description for Plotting CEN. ∢	SECTOR ARC°	MIN RATE	MAX RATE	Pen Color	Plot Lattice On Overlays
003	EYEOPENER	CODE 3			70, 100	12,000	17,000	RED	
004	CODE 4	MITCHELL 2			95, 140	11,000	13,000	BLACK	
008	CODE 1	PT COUPOYS	LT		40, 70	8,000	15,000	BLUE	
009	CODE 2	VENT	not used		20, 40	10,000	17,000	GRN	
I3 1-3	I3 5-7			I3 22-24	I3 26-28	F8.2 30-37	F8.2 39-46	A3 48-50	For EDP Use Only

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

CEN. ∢ Central angle of R-R sector to be plotted (in degrees CCW 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)





INDEX OF FIELD EDIT SHEETS FOR PH-6909

OPR 448

SEPT	OCT	
239		L.N.M. SOUNDING LINE
9		SQ. N. M. SOUNDING
7		L.N.M. TRIANGULATION
4		TIDE GAGE
-		BOTTOM SAMPLES
-		MARTEK/SALINITY CAST
31		TRI. STA. RECOVERED
5		TRI. STA. ESTABLISHED
36		L.N.M. FIELD EDIT

1975

PROGRESS SKETCH

OPR-448-DA-75
NAVIGABLE AREA SURVEY

SUMMER STRAIT, ALASKA

NOAA SHIP DAVIDSON (CSS31)
CDR M. H. FLEMING, CMDG.

CHART 17[illegible]

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

ABSTRACT OF TIME OF HYDROGRAPHY OR FIELD EDIT

Date _____

Project No. OPR-448 Vessel NOAA Ship DAVIDSON

Date of Survey 9/10/75 to 9/23/75

Fieldsheet No. T-13376-78 and T-12462-65 Registry No. n/a

Fieldsheet is (Complete)/Incomplete

J.D.	Time(Z)		J.D.	Time(Z)
253	1300	-	254	0100
254	1300	-	255	0100
260	1300	-	261	0100
261	1300	-	262	0100
262	1300	-	263	0100
265	1300	-	266	0100

J.D.	Time(Z)		J.D.	Time(Z)
		-		✓

14k

NAME OF AGENCY

PRECEDENCE
ACTION:
INFO.:

TYPE OF MESSAGE
☐ SINGLE ☐ BOOK
☐ MULTI-ADDRESS

SECURITY CLASSIFICATION

ACCOUNTING CLASSIFICATION

STANDARD FORM 14 MARCH 1957
GENERAL SERVICES ADMINISTRATION
FPMR (41CFR) 101-35.306

TELEGRAPHIC MESSAGE

OFFICIAL BUSINESS
U. S. GOVERNMENT

THIS BLOCK FOR USE OF COMMUNICATIONS UNIT

R 292320Z SEPT 75

MESSAGE TO BE TRANSMITTED (Use double spacing and all capital letters) | THIS COL. FOR AGENCY USE

SHORT MESSAGE ADDRESS HERE

FM LIPPOLD NOS NOAA SEATTLE WASH

WAGNER

TO CO NOAA SHIP DAVIDSON WTEK

BT

UNCLAS DA-118. LT CDR WAGNER. YOUR QUEY ON FORM 76-40 FOR LOSTEDIT. RAUK ADVISES FORMS 76-40 NOT REQUIRED IN THIS CASE UNLESS QUESTION ON OZALID OR NEW AID OR LAND MARK TO BE ADDED
FIELD

R 012140Z OCT 75
NS
DA-119
PLEASE INFORM CPM6 HOW MANY OF YOUR MINI RANGER 3 UNITS NEED ARE EQUIPED WITH A/C POWER SUPPLYS AND HOW MANY SPARE A/C POWER SUPPLYS YOU HAVE ON BOARD

TOD 020153Z OCT 75 DEB 2679.4KHZ

DO NOT TYPE MESSAGE BEYOND THIS LINE

PAGE NO. | NO. OF PAGES

NAME AND TITLE OF ORIGINATOR (Type) | ORIGINATOR'S TEL. NO. | DATE AND TIME PREPARED

SECURITY CLASSIFICATION

I certify that this message is official business, is not personal, and is in the interest of the Government.

(Signature)

U.S. GOVERNMENT PRINTING OFFICE : 1965 OF—755-152—(586)

14-305

REVIEW REPORT

T-12465

SHORELINE

November 27, 1979

61. GENERAL STATEMENT:

Several enclosed dashed lines in the near shore area were shown on the Class I Map labeled "Rf." They were determined to be submerged reefs and so labeled during final review. However, one such area at lat. 56°23.7', long. 133°01.7' is above the sounding datum as revealed on the photographs of the area. It was changed to a ledge symbol.

The feature on the map lat. 56°22.2', long. 133°02.7' was not labeled on the Class 1 map. It was determined to be two small buildings on a platform. The label, "Bldgs on platform," was added to the map during final review.

See Summary, page 6 of this Descriptive Report.

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.

Four small islands shown on the quadrangle along the shoreline between lat. 56°22.4' and 56°22.7' are not visible on the photographs. They are not shown on the map.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with a copy of Registered Smooth Sheets H-9268(DA-10-10-71) and H-9269 (DA-10-1-72). None of the features mentioned in paragraph 61 above are shown on the smooth sheet.

The ledge limits north of Point St. John were revised during final review to agree with the field editor's recommendation. See ratio photo 67E(C) 1000. The log boom shown on the smooth sheet south of Point St. John was recommended for deletion by the field editor in 1975.

65. COMPARISON WITH NAUTICAL CHARTS:

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

The two small islets, a pile and log boom shown on the chart south of Point St. John are not shown on the map. The pile and islands are not visible on the photographs and were not identified by the field editor. The log boom was recommended for deletion by the field editor in 1975.

66. ADEQUACY OF CONTROL AND FUTURE SURVEYS:

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

Submitted by:

A. L. Shands

A. L. Shands
Final Reviewer, AMC

Approved for forwarding:

Bill A. Barnes

Chief, Photogrammetric Branch, AMC

Approved: JDP

John D. Perrow Jr.

Chief, Photogrammetric Branch

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.

2. A 4 ft. rock elevation at lat. 56°29.6', long. 133°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°19.7', long. 133°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°23.7', long. 133°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°22.2', long. 133°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.

T-12465

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 OZALIDS