

T-11977

T-11977

NOAA FORM 76-35
(6-80)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

Map No.

T-11977

Edition No.

1

Job No.

PH-6303

Map Classification

FINAL FIELD EDITED MAP

Type of Survey

SHORELINE

LOCALITY

State

ALASKA

General Locality

CLARENCE STRAIT

Locality

PETERSEN ISLAND

19⁶⁵ TO 19⁷²

REGISTERED IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.																											
DESCRIPTIVE REPORT - DATA RECORD		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">TYPE OF SURVEY</td> </tr> <tr> <td>☒ ORIGINAL</td> <td></td> </tr> <tr> <td>☐ RESURVEY</td> <td></td> </tr> <tr> <td>☐ REVISED</td> <td></td> </tr> </table>		TYPE OF SURVEY		☒ ORIGINAL		☐ RESURVEY		☐ REVISED																			
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PHOTOGRAMMETRIC OFFICE Coastal Mapping Division AMC, Norfolk, VA OFFICER-IN-CHARGE Jeffrey G. Carlen		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">SURVEY TB- 11977</td> </tr> <tr> <td colspan="2">MAP EDITION NO. (1)</td> </tr> <tr> <td colspan="2">MAP CLASS Final</td> </tr> <tr> <td colspan="2">JOB PH- 6303</td> </tr> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">LAST PRECEDING MAP EDITION</td> </tr> <tr> <td colspan="2">TYPE OF SURVEY</td> </tr> <tr> <td>☐ ORIGINAL</td> <td></td> </tr> <tr> <td>☐ RESURVEY</td> <td></td> </tr> <tr> <td>☐ REVISED</td> <td></td> </tr> <tr> <td colspan="2">JOB PH- _____</td> </tr> <tr> <td colspan="2">MAP CLASS _____</td> </tr> <tr> <td colspan="2">SURVEY DATES:</td> </tr> <tr> <td colspan="2">19__ TO 19__</td> </tr> </table>		SURVEY TB- 11977		MAP EDITION NO. (1)		MAP CLASS Final		JOB PH- 6303		LAST PRECEDING MAP EDITION		TYPE OF SURVEY		☐ ORIGINAL		☐ RESURVEY		☐ REVISED		JOB PH- _____		MAP CLASS _____		SURVEY DATES:		19__ TO 19__	
SURVEY TB- 11977																													
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MAP CLASS _____																													
SURVEY DATES:																													
19__ TO 19__																													
I. INSTRUCTIONS DATED																													
1. OFFICE		2. FIELD																											
Aerotriangulation Jan 9, 1967 Compilation March 20, 1967 Compilation Supp. 1 Nov 6, 1970 Compilation Supp. 2 Nov 23, 1970 Compilation Supp. 3 Nov. 5, 1971 Compilation Amend. 1 Dec 7, 1971		Field Feb 10, 1966																											
II. DATUMS																													
1. HORIZONTAL: ☒ 1927 NORTH AMERICAN		OTHER (Specify)																											
2. VERTICAL: ☒ MEAN HIGH-WATER ☐ MEAN LOW-WATER ☒ MEAN LOWER LOW-WATER ☐ MEAN SEA LEVEL		OTHER (Specify)																											
3. MAP PROJECTION Polyconic		4. GRID(S)																											
		STATE	ZONE																										
		Alaska	1																										
5. SCALE 1:10,000		STATE	ZONE																										
III. HISTORY OF OFFICE OPERATIONS																													
OPERATIONS		NAME	DATE																										
1. AEROTRIANGULATION BY		John Perrow, Jr.	Dec 2, 1970																										
METHOD: stereoplanigraph LANDMARKS AND AIDS BY																													
2. CONTROL AND BRIDGE POINTS PLOTTED BY		J. Perrow, Jr.	Oct 1970																										
METHOD: coradomat CHECKED BY		H. Eichert	Oct 1970																										
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY		R. White	Nov 1971																										
COMPILATION CHECKED BY		A. Shands	Nov 1971																										
INSTRUMENT: Wild B-8																													
SCALE: 1:10,000																													
		CONTOURS BY	N.A.																										
		CHECKED BY	N.A.																										
4. MANUSCRIPT DELINEATION PLANIMETRY BY		R. White	Nov 1971																										
		CHECKED BY	L. Graves																										
		CONTOURS BY	N.A.																										
METHOD: smooth drafted		CHECKED BY	N.A.																										
		HYDRO SUPPORT DATA BY	R. White																										
SCALE: 1:10,000		CHECKED BY	L. Graves																										
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		L. Graves	Nov 1971																										
		F. Gustafson	Apr 1974																										
6. APPLICATION OF FIELD EDIT DATA BY		J. Byrd	May 1978																										
		CHECKED BY	J. Byrd																										
7. COMPILATION SECTION REVIEW BY		J. Byrd	May 1978																										
8. FINAL REVIEW BY		L.O. Neterer, Jr.	Apr 1987																										
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		L.O. Neterer, Jr.																											
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		P. Dempsey	Jun 1988																										
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		J. Carlen	July 1988																										

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYT-11977
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8L		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR X(P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE ☒ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☐ TIDE CONTROLLED PHOTOGRAPHY				ZONE Pacific	☒ STANDARD
				MERIDIAN 120th	☐ DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
65L(P) 5038 & 5039	Jul 30, 65	09:45	1:15,000	3.7 ft below MLLW	
65L(P) 5112	Jul 30, 65	10:41	1:30,000	2.2 below MLLW	
65L(P) 5020-5021	Jul 30, 65	09:32	1:15,000	4.0 below MLLW	

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from the above listed photography.

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

The mean lower low water line was compiled from the above listed photography.

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-13237	T-11978	No survey	T-12368

REMARKS

T-11977

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	B.I. Williams	April 1966
2. HORIZONTAL CONTROL	RECOVERED BY L. Riggers	April 1966
	ESTABLISHED BY	
	PRE-MARKED OR IDENTIFIED BY L. Riggers	April 1966
3. VERTICAL CONTROL	RECOVERED BY N.A.	
	ESTABLISHED BY N.A.	
	PRE-MARKED OR IDENTIFIED BY N.A.	
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	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

Photo identified

2. VERTICAL CONTROL IDENTIFIED

N.A.

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
65L-5112	PASS, 1916 (sub pt)		
65L-5120	WOOD, 1916 (sub pt)		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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

7. SUPPLEMENTAL MAPS AND PLANS

None

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

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T-11977
HISTORY OF FIELD OPERATIONS1. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. H. Houlder	Mar & May 1977
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 (<i>Triangulation Stations</i>) BY LOCATED (<i>Field Methods</i>) BY IDENTIFIED BY	None None None
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	E. Wood
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED
None2. VERTICAL CONTROL IDENTIFIED
NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (*Clarification of details*)
63W(P) 7904-7905, 65L(P) 5020-50224. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE7. SUPPLEMENTAL MAPS AND PLANS
None8. OTHER FIELD RECORDS (*Sketch books, etc. DO NOT list data submitted to the Geodesy Division*)
Field edit ozalid and field edit report.

NOAA FORM 76-36D (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION		
T-11977 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	Nov 1971	Class III	Jan 5, 1972	Dec 21, 1971
Field edit applied compilation complete	May 1978	Class I	Jun 15, 1978	April 9, 1974
Final Review	April 1987	Final Field Edited Map	June, 1987	
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: None 3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____				
III. FEDERAL RECORDS CENTER DATA				
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS. 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES. 3. ☐ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS: 4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____				
IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)				
SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT		
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT		
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT		

JOB PH-6303

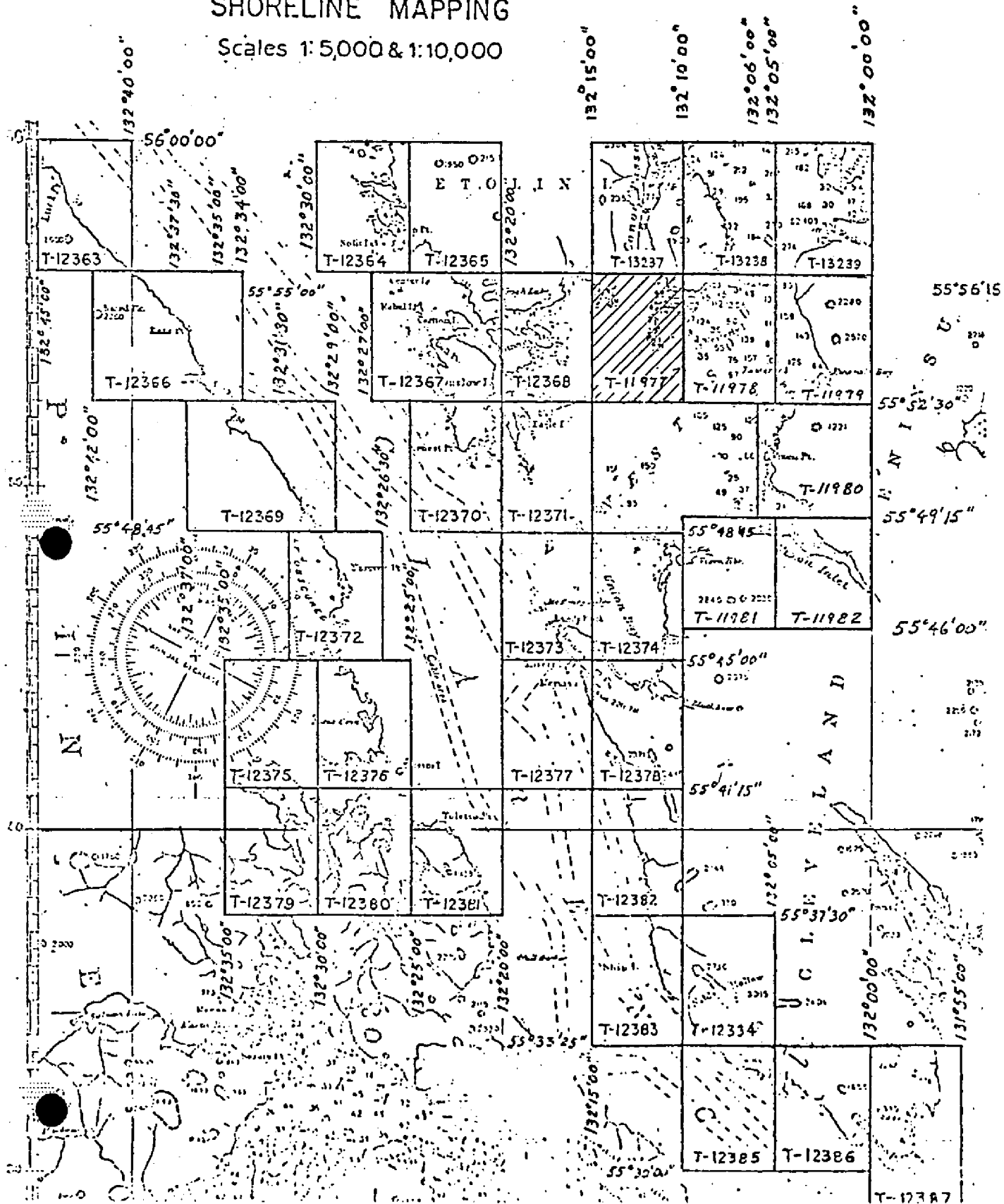
CLARENCE STRAIT

ALASKA

SHORELINE MAPPING

Scales 1:5,000 & 1:10,000

REVISED 9/23/76 RWW
REVISED 10/7/80 D.B.
T-13240 CANCELED
REVISED 12/11/86 JDM
T-13381 CANCELED (1976)



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

T-11977

This 1:10,000 scale shoreline map is one of thirty-four maps that comprise project PH-6303, Clarence Strait, Alaska. This project encompasses Clarence Strait and Ernest Sound, latitude $55^{\circ} 28' 45''$ north to latitude $56^{\circ} 00' 00''$ and longitude $131^{\circ} 55' 00''$ west to longitude $132^{\circ} 45' 00''$.

Photographic coverage was provided in July 1965 using black and white panchromatic film with the "L" camera (focal length 152.21 millimeters) at 1:15,000 and 1:30,000 scale.

Field work prior to compilation consisted of photoidentification of horizontal control for aerotriangulation in May 1966.

Analytic aerotriangulation was performed at the Washington Science Center in December 1970.

Compilation was performed at the Atlantic Marine Center during November 1971.

Field edit was accomplished during March through May 1972.

Application of field edit and advancing this map to Class I status was achieved in May 1978 at the Atlantic Marine Center.

Final review was completed at the Atlantic Marine Center during April 1987.

This Descriptive Report contains all pertinent information used to compile this Final Field Edited map.

The original base map and all pertinent data were forwarded to the Washington Science Center for final registration.

FIELD INSPECTION

There was no photo 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.

An areal descriptive report on the character of the shoreline was prepared by Mr. Robert Melby in May, 1966.

This descriptive material was intended to aid the compilers in their interpretation of the location of the mean high water line.

Photogrammetric Plot Report
Job PH-6303
Clarence Strait, Alaska
Part II - Northern Half

December 3, 1970

21. Area Covered

The area covered is in and around the junction of Ernest Sound and Clarence Strait, Alaska. Included are T-Sheets 11977 thru 11982, 12363 thru 12371, 12374 and 13237 thru 13240, at 1:10,000 scale, in Zone 1, Alaska Plane Coordinates.

22. Method

Seven strips were bridged on the stereoplanigraph and adjusted by I.B.M. 1620 methods. Strip #4 (63-W-7254 thru 7258) was adjusted on three triangulation sub-stations and two tie points from Strip #3 (Part I). Companion sub-stations and additional tie points served as checks. Strip #7 (65-L-5098 thru 5105) was adjusted on four triangulation sub-stations with companion sub-stations and tie points from Strip #12 as checks. Strip #8 (63-W-7324 thru 7330) was bridged only in part. 63-W-7324 thru 7328 was bridged and adjusted by a first order curve (straight line). The method employed two sub-stations for adjustment, with companion sub-stations and six tie points as checks. The remainder of the Strip (63-W-7329 and 7330) must be detailed graphically from ratio prints. Strip #9 (65-L-5109 thru 5116) was adjusted on four triangulation sub-stations with companion sub-stations, one additional triangulation station and five tie points with Strip #10 as checks. Strip #10 (63-W-7311 thru 7319) was bridged on three triangulation sub-stations with companion sub-stations and eleven tie points with Strips #8 and #9 as checks. Strip #11 (63-W-7291 thru 7306) was adjusted on four triangulation sub-stations and checked with tie points from Strip #6. Strip #12 (65-L-5091 thru 5096) was adjusted on four triangulation sub-stations with tie points from Strips #4 and #7 as checks. All points were drilled on the PUG. All tie points between strips were averaged. Some outlying islands in Sheet T-11977 and T-11978 could not be covered by bridging, nor can the area be compiled, with any accuracy, by graphic methods. Completion of these two sheets should be completed by the ship during the hydrographic survey.

23. Adequacy of Control

Horizontal control was adequate and complied with project instructions. All stations held within National Map Accuracy Standards with the following exceptions:

- (1) Drag, 1916 SS "C". This position was of poor image quality. In addition, it was allowed to drift by using tie points from Strip #3, as control on Strip #4. This solution provided the best overall fit.

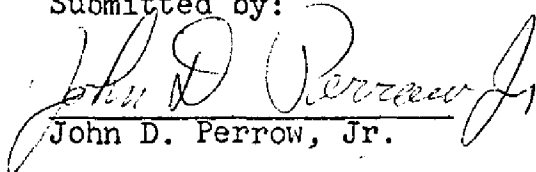
24. Supplemental Data

Local GS quads were used to provide level points for bridging Operations. Due to the nature of the terrain and the scale of the quads, these elevations are very approximate.

25. Photography

Photography was good in coverage, overlap, and definition.

Submitted by:


John D. Perrow, Jr.

Approved by:


Henry P. Eichert
Chief, Aerotriangulation Section

Notes to Compiler
PH-6303
Clarence Strait, Alaska

December 3, 1970

Strip #4 does not fit within itself too well. However, the best overall fit was made so that the strip could be tied to Strip #3 (Part I), which had been compiled at an earlier date.

Strip #8 is positioned too far out over the water to provide more than a quarter of a model in that portion of the strip north of triangulation station Mabel. These small portion models would be extremely difficult to bridge, and equally as difficult to set in a compilation instrument. Therefore, points common to both strips in that area were selected in critical areas to establish ratioing constants for Strip #8, so that those photographs could be used in compiling the alongshore detail by graphic methods.

Just south of the area covered by Strip #9, are a number of islands which could not be covered by bridging operations, due to excessive water areas. These islands are located on T-Sheets 11977 and 11978. Ratio prints of this area were made at a three time enlargement, however, these are uncontrolled, and the exact scale cannot be determined. It is recommended that the islands on these two T-Sheets be located and positioned by the hydrographic survey party.

Strip #11. It is recommended that the area covered by model 63-W-7291 - 7292 be detailed from Strip #6 (Part I), since Strip #6 seems to be the stranger photogrammetric bridge.

Note: The published position of station HASH, 1966, is in error. A new position was provided by Geodesy. The sub-stations for Station OVAL, 1916, could not be seen on the bridging photography.

*No photo coverage on the northern half of T-13240 or any of T-13240.
Points on T-13240 and T-13241 must be tied to the bridge strip in Strip #6.*

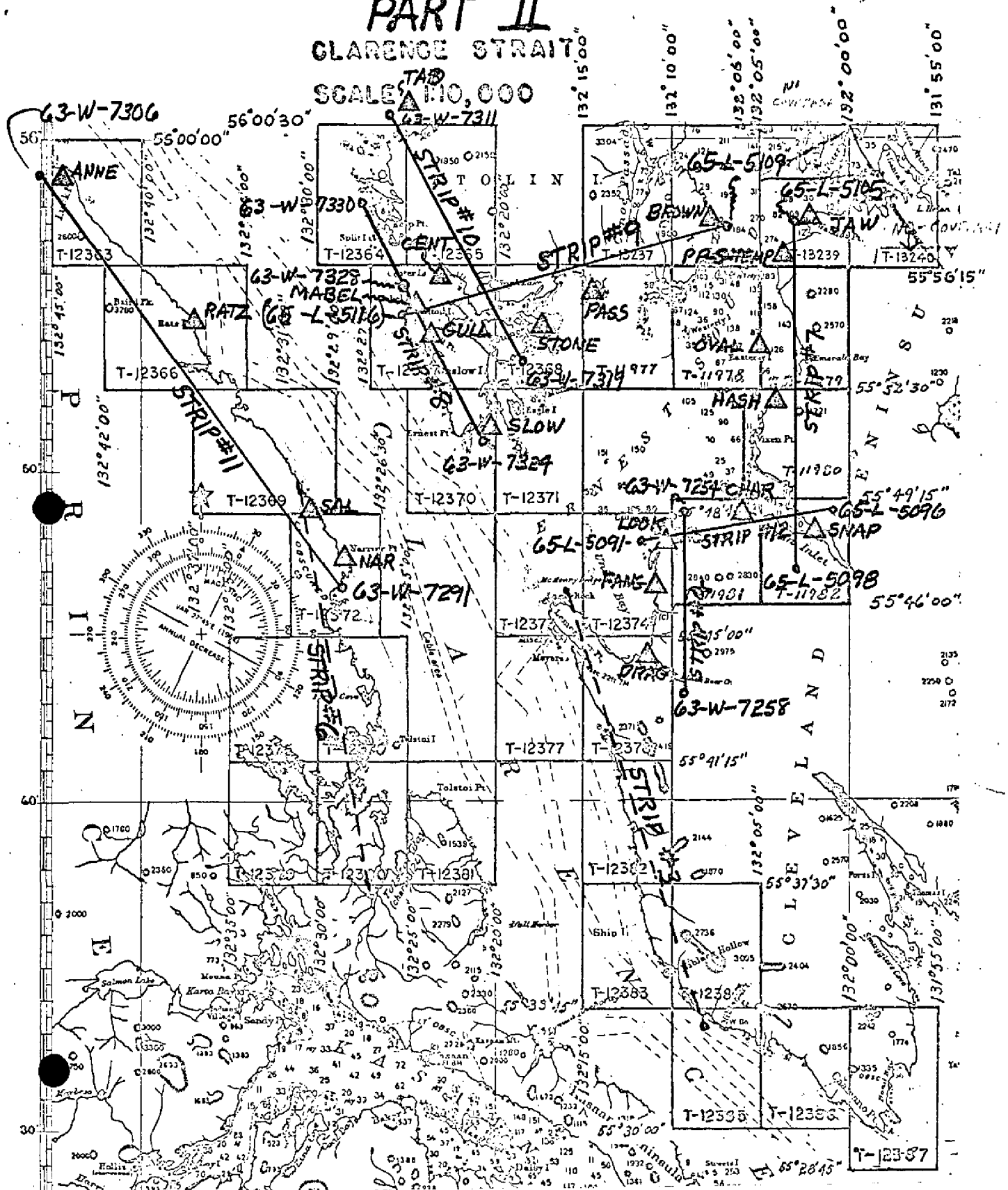
NOV. 1970

ALASKA

PART II

CLARENCE STRAIT:

SCALE 1:10,000



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	PH-6301	GEODETTIC DATUM		COORDINATES IN FEET STATE Alaska ZONE I	GEOGRAPHIC POSITION		ORIGINATING ACTIVITY	
			NA 1927			ϕ LATITUDE λ LONGITUDE	Division, Norfolk, Va.		
T-11977									
STATION NAME									
WOOD, 1916	55132 Pg. 25				X=	ϕ 55 52 59.084		REMARKS FORWARD BACK	1827.3 (28.4)
					Y=	λ 132 13 31.176			542.0 (-501.0)
PASS, 1916	55132 Pg. 17				X=	ϕ 55 55 13.921			430.5 (1425.2)
					Y=	λ 132 14 04.403			76.5 (965.6)
					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 A. C. Rauck, Jr.								COMPUTATION CHECKED BY F. P. Margiotta	DATE 11/4/71
LISTED BY								LISTING CHECKED BY	DATE
HAND PLOTTING BY								HAND PLOTTING CHECKED BY	DATE

COMPILATION REPORT

T-11977

31. DELINEATION:

Compilation was done using the Wild B-8 stereoplotter with the 1:30,000 scale photography.

The area between latitude $55^{\circ} 52' 30''$ and $55^{\circ} 54' 00''$ is incomplete. The bridging photography did not cover this area. The rocks and islands in this area will have to be positioned by the hydrographer.

32. CONTROL:

See Photogrammetric Plot Report Part II dated December 3, 1971.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

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

35. SHORELINE AND ALONGSHORE DETAILS:

All details were compiled from office interpretation of the photographs.

36. OFFSHORE DETAILS:

See Item #31.

37. LANDMARKS AND AIDS:

None.

38. CONTROL FOR FUTURE SURVEYS:

None.

T-11977

39. JUNCTIONS:

See Form 76-36B with this report.

40. HORIZONTAL AND VERTICAL ACCURACY:

No Statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with U.S.G.S. Quadrangle Craig (D-1), Alaska, scale 1:63,360 dated 1951.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with Chart 8161, scale 1:80,000, 3rd edition dated April 11, 1966.

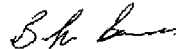
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:



Richard R. White
Cartographic Technician
November 5, 1971

Approved and forwarded:



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

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6303 (Clarence Strait, Alaska)

T-11977

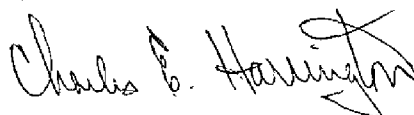
Brownson Island

Canoe Passage

Ernest Sound

Etolin Island

Approved:



Charles E. Harrington
Chief Geographer
Nautical Charting Division
Charting and Geodetic Services

FIELD EDIT REPORT

Ernest Sound - S.E. Alaska

OPR 465

March-May 1972

INTRODUCTION

Field edit reports are attached for the following maps:

T-11977	T-11981
T-11978	T-11982
T-11979	T-12368
T-11980	T-12371

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. Sextant fixes were plotted on boat sheets FA 10-1-72, FA 10-2-72, and FA 10-3-72. The hydrographic location was then compared with the photogrammetric position. Height data for all rocks, ledges and some shoreline is either written directly on the ozalid or entered in the field edit notebook along with position data, in which case the notebook and page number are referenced on the ozalid.

Notes have been made in violet on the office photographs and have been cross-referenced on the field edit ozalids by photograph number. All notes on the field photographs have been transferred to the office photos due to the poor condition of the field photographs.

All times through 30 April 1972 are based on 120°W meridian. All times after this date are based on 105°W meridian due to conversion to Daylight Saving Time. The following maps are affected by both time zones:

T-11977	T-12368
T-11978	

Compilation of the maps is good. It is recommended that the maps be revised in accordance with the notes on the photographs and the field edit notebook before acceptance as advance manuscripts. Field inspection of these maps is complete.

Approved by:



R. H. Houlder

CAPT NOAA

Cmdg Ship FAIRWEATHER

FIELD EDIT REPORT

Map T-11977

Ernest Sound - S.E. Alaska

Field edit of map T-11977 was done by LT (jg) Emerson G. Wood during April and May 1972. Inspection was done from a small boat and on foot when fixes on land were required.

METHOD

Field photographs and a copy of the field edit ozalid were examined in the field. The mean high water line was verified by visual comparison of the beach area and the ozalid in the field, and by measured distances from the MHWL to photo-identifiable objects. Isolated rocks, ledges, and some shoreline were located by sextant fixes and plotted on boat sheet FA 10-2-72. Heights of rocks, reefs, and high points of ledges are noted on the photographs, in the field edit notebook, or directly on the ozalid.

Notes have been made in violet on the office photographs and have been cross-referenced on the field edit ozalid by photograph number. The following photographs are referenced on the ozalid:

65L-5020	63W-7904	Forest Service Photographs:
65L-5021	63W-7905	EMR-4-687 (Stereo
65L-5022		& -688 Pair)

All times are based on 120°W meridian except for the following item:

Petersen Island was delineated by locating three photo-identified points on Forest Service photographs EMR-4-687 and -688 (Stereo Pair). These points were then located in the field by 3-pt. sextant fixes with a check angle and plotted on boat sheet FA 10-2-72. All fix data is contained on the back of Forest Service photograph EMR-4-688.

ADEQUACY OF COMPILATION

Compilation of this map is good. Hydrographic location of features compares well to photogrammetric location. Note is made of the following items which were verified by Launch FA-6 (Boat sheet FA 10-2-72):

Three rocks in the area of Lat. 55°55.7'N, Long. 132°10.8'W. A bare rock is shown on the ozalid at Lat. 55°55.6'N, Long. 132°13.7'W. This area was thoroughly searched at low water on 15 May 1972 (105° W meridian) but no rock was visible. A least depth of 3 fms. was discovered by Launch FA-6 (FA 10-2-72). It is recommended that the bare rock symbol be replaced by a sunken rock symbol.

A rock and submerged ledge at 55°55.6' Lat. and 132°10.4' Long.
Hydro records show a least depth of 2.5 fms.

Two rocks at Lat. 55°55.1'N, Long. 132°11.3'W. Hydrographic records of FA 10-2-72 show a least depth of 4.8 fms. in this area.

Field inspection of this map is complete.

RECOMMENDATIONS

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

Respectfully submitted,

Emerson G. Wood

Emerson G. Wood
LT (jg), NOAA

REVIEW REPORT
SHORELINE

T-11977

61. GENERAL STATEMENT:

See Summary included with this report. Petersen Islands located at approximately latitude 56° 53.2' longitude 132° 13.6' were not compiled due to insufficient horizontal control and photography.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U. S. Geological Survey Quadrangle: Craig (D-1) Alaska, scale 1:63,360, dated 1951.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with registered Hydrographic Survey H-9286, scale 1:10,000.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with NOS charts:

17385, 11th edition, dated August 11, 1984, scale 1:80,000;
17360, 26th edition, dated August 18, 1984, scale 1:217,828; and
17420, 23rd edition, dated March 16, 1985, scale 1:229,376.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the Project Instructions and meets the requirements for National Standards of Map Accuracy.

Submitted by:

Lowell O. Neterer, Jr.
Lowell O. Neterer, Jr.
Final Reviewer
April 28, 1987

Approved for forwarding:

Billy H. Barnes
Billy H. Barnes
Chief, Quality Assurance Group, AMC

Approved:

Irving O. Roberson
Chief, Photogrammetric Production Sect.

A. Y. Bryson
Chief, Photogrammetry Branch

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

[illegible]